

Dual-Lock™ P-Series Pneumatic Couplings

Couplers with Ferrule

Features:

- working pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- for crimp recommendations see dixonvalve.com
- 3/8" and 1" sizes available upon request, contact Dixon®

Materials:

- machined components are manufactured using solid steel, brass, or 303 stainless steel bar stock
- stainless steel retaining ring and spring maximize corrosion resistance and extend service life
- steel componentry is plated using ROHS Compliant Trivalent Chrome
- steel couplings have a zinc cast sleeve

Interchange Data:

- Thor Finger-Lock Interchange
- Interchanges with Thor PHC-Series, National Series 'A', and Campbell Double-Lock

Seal Components:

- Nitrile (Buna-N) seals standard, temperature range **-40°F to 250°F (-40°C to 121°C)**



Body Size	Hose ID	Hose OD		Trivalent Chrome Plated Steel	
		From:	To:	Previous Part #	Part #
1/2"	1/2"	54/64"	1-2/64"	PHL8WF	4PS4-WF
	3/4"	1-10/64"	1-22/64"	PHL12WF	4PS6-WF

Dual-Lock™ P-Series Pneumatic Couplings

Replacement Seals

Body Size	Coupler Style	Nitrile	FKM	
		Part #	Previous Part #	Part #
1/2"	all	4P-SKIT	452963	F-4P-SKIT

**Locking Key**

Body Size	Coupler Style	Steel	
		Previous Part #	Part #
1/2"	all	855231	4P-CLIP

- fits couplings with locking sleeve



Air Chief Industrial Interchange Couplings

Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only



Female Threaded Plugs

Body Size	Female NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/8"	37 CFM	DCP2021
	1/4"	37 CFM	DCP20
	3/8"	37 CFM	DCP2023
3/8"	1/4"	70 CFM	DCP2622
	3/8"	70 CFM	DCP26
	1/2"	70 CFM	DCP2624
1/2"	3/8"	150 CFM	DCP1823
	1/2"	150 CFM	DCP18
	3/4"	150 CFM	DCP1826
3/4"	1/2"	200 CFM	DCP7024
	3/4"	200 CFM	DCP7026
	1"	200 CFM	DCP7028



Male Threaded Plugs

Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/8"	37 CFM	DCP2101
	1/4"	37 CFM	DCP21
	3/8"	37 CFM	DCP2103
3/8"	1/4"	70 CFM	DCP2502
	3/8"	70 CFM	DCP25
	1/2"	70 CFM	DCP2504
1/2"	3/8"	150 CFM	DCP1703
	1/2"	150 CFM	DCP17
	3/4"	150 CFM	DCP1706
3/4"	1/2"	200 CFM	DCP7104
	3/4"	200 CFM	DCP7106
	1"	200 CFM	DCP7108



Air Chief Industrial Interchange Couplings

Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only



Standard Hose Barb Plugs

Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	5/16"	37 CFM	DCP2143
	3/8"	37 CFM	DCP2144
3/8"	1/2"	70 CFM	DCP2545
1/2"	3/4"	150 CFM	DCP1746
3/4"	1/2"	200 CFM	DCP7145
	3/4"	200 CFM	DCP7146
	1"	200 CFM	DCP7148



DCP7145

Push-On Hose Barb Plugs

Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	3/8"	37 CFM	DCP2144L
3/8"	1/4"	70 CFM	DCP2542L



Ball Swivel Plug

Features:

- threaded portion is brass
- plug and nut portion is nickel-plated hardened steel
- pressure rating: **250 PSI**

Body Size	Male NPT	Part #
1/4"	1/4"	DCP21SWIV



Dixon® Keychain

Feature:

- halves separate like a coupler and plug

Plated Steel
Part #
DKC1



Air Chief Industrial Interchange Couplings

Features:

- couplers shut-off when disconnected
- couplers are semi-automatic
- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only



Semi-Automatic Female Threaded Couplers

Body Size	Female NPT	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/8"	37 CFM	DC2021	---
	1/4"	37 CFM	DC20	---
	3/8"	37 CFM	DC2023	---
3/8"	1/4"	70 CFM	---	DC2622
	3/8"	70 CFM	---	DC26
	1/2"	70 CFM	---	DC2624
1/2"	3/8"	150 CFM	---	DC1023
	1/2"	150 CFM	---	DC10
	3/4"	150 CFM	---	DC1026

Male Threaded Couplers

Body Size	Male NPT	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/8"	37 CFM	DC2101	---
	1/4"	37 CFM	DC21	---
	3/8"	37 CFM	DC2103	---
3/8"	1/4"	70 CFM	---	DC2502
	3/8"	70 CFM	---	DC25
	1/2"	70 CFM	---	DC2504
1/2"	3/8"	150 CFM	---	DC903
	1/2"	150 CFM	---	DC9
	3/4"	150 CFM	---	DC906



Standard Hose Barb Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC2042	---
	5/16"	37 CFM	DC2043	---
	3/8"	37 CFM	DC2044	---
3/8"	3/8"	70 CFM	---	DC2644
	1/2"	70 CFM	---	DC2645
1/2"	3/8"	150 CFM	---	DC1044
	1/2"	150 CFM	---	DC1045
	3/4"	150 CFM	---	DC1046



Push-On Hose Barb Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC2042L	---
	3/8"	37 CFM	DC2044L	---
3/8"	1/4"	70 CFM	---	DC2642L
	3/8"	70 CFM	---	DC2644L



Air Chief Industrial Interchange Couplings

Features:

- couplers shut-off when disconnected
- couplers are automatic
- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with many other manufacturer's designs
- interchanges with MIL Spec. MIL-C-4109F/A-A-59439
- for air service only



Automatic

Female Threaded Couplers

Body Size	Female NPT	Flow Rating at 100 PSI	Brass Part #
3/4"	1/2"	200 CFM	DC7024
	3/4"	200 CFM	DC7026
	1"	200 CFM	DC7028



Male Threaded Couplers

Body Size	Male NPT	Flow Rating at 100 PSI	Brass Part #
3/4"	1/2"	200 CFM	DC7104
	3/4"	200 CFM	DC7106
	1"	200 CFM	DC7108



Standard Hose Barb Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Brass Part #
3/4"	1/2"	200 CFM	DC7045
	3/4"	200 CFM	DC7046
	1"	200 CFM	DC7048



Parker E-z-mate Industrial Couplings

E-z-mate couplings combine push-to-connect, exhaust-style action with a self-locking valve sleeve to guard against accidental disconnection. Simply follow the direction of the on-off arrow stamped on the yellow chromate valve sleeve. Valve sleeve acts as an integral shut-off valve that allows connection and disconnection at zero pressure. When the sleeve is moved to shut off air flow, it automatically vents downstream allowing for disconnection at zero pressure and eliminating the risk of hose whip.

Features:

- pressure rating: **300 PSI**
- temperature range (standard seals): **-40°F to +250°F (-40°C to 121°C)**
- meets ISO 4414 requirements for a controlled pressure release system
- not recommended for vacuum service



Female Threaded Couplers



Body Size	Female NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"-18	37 CFM	DC20SE
	3/8"-18	37 CFM	DC2023SE
3/8"	3/8"-18	70 CFM	DC26SE
	1/2"-14	70 CFM	DC2624SE
1/2"	1/2"-14	150 CFM	DC10SE
	3/4"-14	150 CFM	DC1026SE
3/4"	3/4"-14	200 CFM	DC7026SE
	1"-11-1/2	200 CFM	DC7028SE

Male Threaded Couplers



Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"-18	37 CFM	DC21SE
	3/8"-18	37 CFM	DC2103SE
3/8"	3/8"-18	70 CFM	DC25SE
1/2"	1/2"-14	150 CFM	DC9SE
3/4"	3/4"-14	200 CFM	DC7106SE

Standard Hose Barb Couplers



Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DC2042SE
	3/8"	37 CFM	DC2044SE
3/8"	3/8"	70 CFM	DC2644SE
1/2"	1/2"	150 CFM	DC1045SE

Push-Lock Hose Barb Couplers



Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DC2042LSE
	3/8"	37 CFM	DC2044LSE
3/8"	3/8"	70 CFM	DC2644LSE
1/2"	1/2"	150 CFM	DC1045LSE

Legris Industrial Interchange Safety Couplers

Applications:

- suited for numerous installations including: pneumatic tools, blow guns, pneumatic automotive equipment

Features:

- temperature range: **-4°F to 140°F (-40°C to 121°C)**
- working pressure: **230 PSI**
- composite, non-marring body
- 1/4" body size ensures excellent flow and total security due to disconnection in two steps
- compatible with industrial interchange plugs



1. vents plug side



2. disconnects

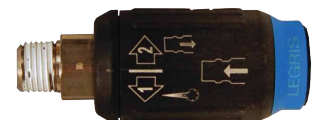
Female Threaded Automatic Couplers

Body Size	NPT Size	Part #
1/4"	1/4" 3/8"	9415U0614 9415U0618



Male Threaded Automatic Couplers

Body Size	NPT Size	Part #
1/4"	1/4" 3/8"	9405U0614 9405U0618



Air Chief Automotive Interchange Couplings

Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- couplers are semi-automatic
- interchange with popular makes of automotive quick-connect fittings such as Amflo, Dill, Milton and Truflate, some designs do not interchange with others, if you plan to interchange these couplings make sure you have plug ends with the proper configuration

Semi-Automatic

Female Threaded Plugs



Body Size	Female NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/8"	37 CFM	DCP221
	1/4"	37 CFM	DCP2
	3/8"	37 CFM	DCP223
3/8"	1/4"	70 CFM	DCP8
	3/8"	70 CFM	DCP6
	1/2"	70 CFM	DCP624

Male Threaded Plugs



Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/8"	37 CFM	DCP101
	1/4"	37 CFM	DCP1
	3/8"	37 CFM	DCP103
3/8"	1/4"	70 CFM	DCP7
	3/8"	70 CFM	DCP5

Standard Hose Barb Plugs



Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP142
	3/8"	37 CFM	DCP144
3/8"	3/8"	37 CFM	DCP544

Push-On Hose Barb Plugs



Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP142L
	3/8"	37 CFM	DCP144L
3/8"	3/8"	70 CFM	DCP544L

Air Chief Automotive Interchange Couplings

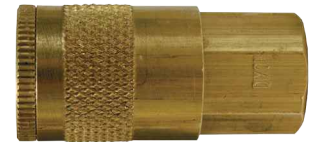
Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- couplers are semi-automatic
- interchanges with popular makes of automotive quick-connect fittings such as Amflo, Dill, Milton and Truflate, some makes do not interchange with any others, if you plan to interchange these couplings make sure you have plug ends with the proper configuration

Semi-Automatic

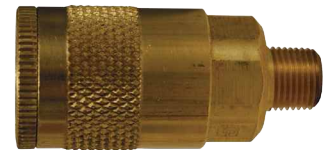
Female Threaded Couplers

Body Size	Female NPT	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/8"	37 CFM	DC221	---
	1/4"	37 CFM	DC2	---
	3/8"	37 CFM	DC223	---
3/8"	1/4"	70 CFM	---	DC8
	3/8"	70 CFM	---	DC6
	1/2"	70 CFM	---	DC624



Male Threaded Couplers

Body Size	Male NPT	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/8"	37 CFM	DC101	---
	1/4"	37 CFM	DC1	---
	3/8"	37 CFM	DC103	---
3/8"	1/4"	70 CFM	---	DC7
	3/8"	70 CFM	---	DC5
	1/2"	70 CFM	---	DC504



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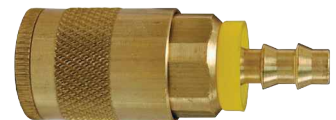
Standard Hose Barb Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC242	---
	3/8"	37 CFM	DC244	---
3/8"	3/8"	70 CFM	---	DC644
	1/2"	70 CFM	---	DC645

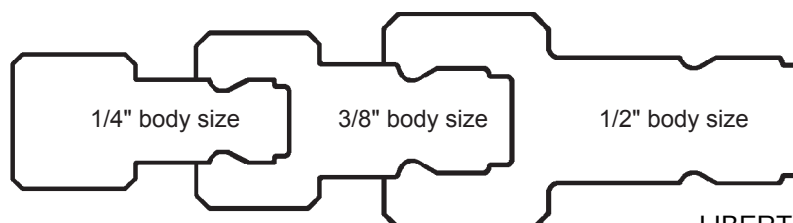


Push-On Hose Barb Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC242L	---
	3/8"	37 CFM	DC244L	---
3/8"	3/8"	70 CFM	---	DC644L



Air Chief Automotive Actual Size Profile Charts



Air Chief ARO Speed Interchange Couplings

Features:

- pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**
- interchanges with ARO 210 and 310 designs
- couplers shut-off when disconnected



Female Threaded Plugs

Body Size	Female NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP38
	3/8"	37 CFM	DCP3823
3/8"	3/8"	70 CFM	DCP36



Male Threaded Plugs

Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP37
	3/8"	37 CFM	DCP3703
3/8"	3/8"	70 CFM	DCP35



Standard Hose Barb

Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP3742



Push-On Hose Barb

Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP3742L
	3/8"	37 CFM	DCP3744L



Ball Swivel Plug

Features:

- threaded portion is brass
- pressure rating: **250 PSI**

Body Size	Male NPT	Part #
1/4"	1/4"	DCP37SWIV

Air Chief ARO Speed Interchange Couplings

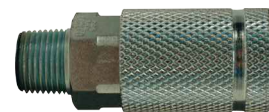
Semi-Auto Female Threaded Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC38	---
	3/8"	37 CFM	DC3823	---
3/8"	3/8"	70 CFM	---	DC36



Semi-Auto Male Threaded Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Brass Part #	Steel Part #
1/4"	1/4"	37 CFM	DC37	---
	3/8"	37 CFM	DC3703	---
3/8"	3/8"	70 CFM	---	DC35



Semi-Auto Standard Hose Barb Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DC3842
	3/8"	37 CFM	DC3844

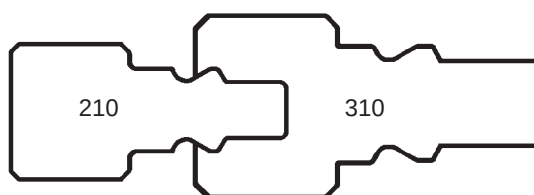


Semi-Auto Push-On Hose Barb Couplers

Body Size	Hose ID	Flow Rating at 100 PSI	Brass Part #
1/4"	1/4"	37 CFM	DC3842L
	3/8"	37 CFM	DC3844L



Air Chief ARO Actual Size Profile Charts



Air Chief Lincoln Interchange Couplings

Features:

- interchangeable with the Lincoln Interchange long stem series
- pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**
- couplers shut-off when disconnected
- couplers are semi-automatic



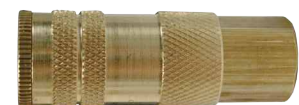
Female Threaded Plug

Body Size	Female NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP28



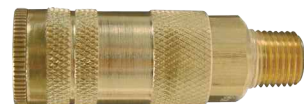
Male Threaded Plug

Body Size	Male NPT	Flow Rating at 100 PSI	Steel Part #
1/4"	1/4"	37 CFM	DCP27



Female Threaded Coupler

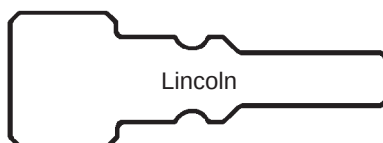
Body Size	Female NPT	Flow Rating at 100 PSI	Brass Part #
1/4"	1/4"	37 CFM	DC28



Male Threaded Coupler

Body Size	Female NPT	Flow Rating at 100 PSI	Brass Part #
1/4"	1/4"	37 CFM	DC27

Air Chief Lincoln Actual Size Profile Chart



DF-Series Industrial Pneumatic Couplings

Features:

- pressure ratings: brass coupler / steel plug: **500 PSI**, brass coupler / brass plug: **300 PSI**, steel coupler / steel plug: **500 PSI**, 303 stainless steel coupler / 303 stainless steel plug: **500 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with other Industrial Interchange designs
- interchanges with the MIL-C-4109, A-A 59439, and ISO6150B standards

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 362 and 556.



Female Threaded Plugs

Body Size	Threads	Brass		Steel Part #	303 Stainless Steel	
		Previous Part #	Part #		Previous Part #	Part #
1/4"	1/8" - 27 NPTF	---	---	D2F1	---	---
	1/4" - 18 NPTF	DCP20B	D2F2-B	D2F2	DCP20S	D2F2-S
	1/4" - 19 BSPP	---	---	D2BF2	---	---
	3/8" - 18 NPTF	DCP203B	D2F3-B	D2F3	---	D2F3-S
	3/8" - 19 BSPP	---	---	D2BF3	---	---
3/8"	1/4" - 18 NPTF	---	---	D3F2	---	---
	3/8" - 18 NPTF	---	D3F3-B	D3F3	DCP26S	D3F3-S
	3/8" - 19 BSPP	---	---	D3BF3	---	---
	1/2" - 14 NPTF	---	---	D3F4	---	---
1/2"	3/8" - 18 NPTF	---	---	D4F3	---	---
	1/2" - 14 NPTF	---	D4F4-B	D4F4	DCP18S	D4F4-S
	1/2" - 14 BSPP	---	---	D4BF4	---	---
	3/4" - 14 NPTF	---	D4F6-B	D4F6	---	---
3/4"	1/2" - 14 NPTF	---	---	D6F4	---	---
	3/4" - 14 NPTF	---	---	D6F6	---	---
	1" - 11 1/2 NPTF	---	---	D6F8	---	---



brass



steel



303 stainless

Male Threaded Plugs

Body Size	Threads	Brass		Steel Part #	303 Stainless Steel	
		Previous Part #	Part #		Previous Part #	Part #
1/4"	1/8" - 27 NPTF	DCP2101B	D2M1-B	D2M1	---	D2M1-S
	1/4" - 18 NPTF	DCP21B	D2M2-B	D2M2	DCP21S	D2M2-S
	1/4" - 19 BSPT	---	---	D2BM2	---	---
	3/8" - 18 NPTF	DCP2103B	D2M3-B	D2M3	---	D2M3-S
	3/8" - 19 BSPT	---	---	D2BM3	---	---
3/8"	1/4" - 18 NPTF	---	---	D3M2	---	---
	3/8" - 18 NPTF	---	D3M3-B	D3M3	DCP25S	D3M3-S
	3/8" - 19 BSPT	---	---	D3BM3	---	---
	1/2" - 14 NPTF	---	---	D3M4	---	---
1/2"	1/4" - 18 NPTF	---	---	D4M2	---	---
	3/8" - 18 NPTF	---	---	D4M3	---	---
	1/2" - 14 NPTF	---	D4M4-B	D4M4	DCP17S	D4M4-S
	1/2" - 14 BSPT	---	---	D4BM4	---	---
3/4"	3/4" - 14 NPTF	---	D4M6-B	D4M6	---	---
	1/2" - 14 NPTF	---	---	D6M4	---	---
	3/4" - 14 NPTF	---	---	D6M6	---	---
	1" - 11 1/2 NPTF	---	---	D6M8	---	---



brass



steel



303 stainless

DF-Series Industrial Pneumatic Couplings

Standard Hose Barb Plugs

Pneumatic Fittings



brass



steel



303 stainless

Body Size	Hose ID	Brass		Steel		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #	Previous Part #	Part #
1/4"	1/4"	DCP2142B	D2S2-B	DCP2142	D2S2	DCP2142S	D2S2-S
	5/16"	---	---	---	D2S2.5	---	---
	3/8"	DCP2144B	D2S3-B	---	D2S3	---	D2S3-S
3/8"	1/4"	---	---	DCP2542	D3S2	---	---
	3/8"	---	D3S3-B	DCP2544	D3S3	DCP2544S	D3S3-S
	1/2"	---	---	---	D3S4	---	---
1/2"	3/8"	---	D4S3-B	DCP1744	D4S3	---	---
	1/2"	---	D4S4-B	DCP1745	D4S4	DCP1745S	D4S4-S
	3/4"	---	D4S6-B	---	D4S6	---	---
3/4"	1/2"	---	---	---	D6S4	---	---
	3/4"	---	---	---	D6S6	---	---
	1"	---	---	---	D6S8	---	---

Automatic Female Threaded Couplers



brass



303 stainless

Body Size	Threads	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/4"	1/8" - 27 NPTF	---	2DF1-B	---	---
	1/4" - 18 NPTF	DCB20	2DF2-B	DCS20	2DF2-S
	1/4" - 19 BSPP	---	2DBF2-B	---	---
	3/8" - 18 NPTF	DCB2023	2DF3-B	---	2DF3-S
	3/8" - 19 BSPP	---	2DBF3-B	---	---
3/8"	1/4" - 18 NPTF	DCB2622	3DF2-B	---	---
	3/8" - 18 NPTF	DCB26	3DF3-B	DCS26	3DF3-S
	3/8" - 19 BSPP	---	3DBF3-B	---	---
	1/2" - 14 NPTF	DCB2624	3DF4-B	---	---
1/2"	3/8" - 18 NPTF	DCB1023	4DF3-B	---	---
	1/2" - 14 NPTF	DCB10	4DF4-B	DCS10	4DF4-S
	1/2" - 14 BSPP	---	4DBF4-B	---	---
	3/4" - 14 NPTF	DCB1026	4DF6-B	---	---
3/4"	1/2" - 14 NPTF	---	6DF4-B	---	---
	3/4" - 14 NPTF	---	6DF6-B	---	---
	1" - 11 1/2 NPTF	---	6DF8-B	---	---

Manual Female Threaded Couplers



brass



steel



303 stainless

Body Size	Threads	Brass Part #	Steel Part #	303 Stainless Steel	
				Previous Part #	Part #
1/4"	1/8" - 27 NPTF	2FF1-B	---	---	---
	1/8" - 28 BSPP	2FBF1-B	---	---	---
	1/4" - 18 NPTF	2FF2-B	2FF2	DC20S	2FF2-S
	1/4" - 19 BSPP	2FBF2-B	---	---	---
	3/8" - 18 NPTF	2FF3-B	---	---	2FF3-S
	3/8" - 19 BSPP	2FBF3-B	---	---	---
3/8"	1/4" - 18 NPTF	---	3FF2	---	---
	3/8" - 18 NPTF	---	3FF3	DC26S	3FF3-S
	3/8" - 19 BSPP	---	3FBF3	---	---
	1/2" - 14 NPTF	---	3FF4	---	---
1/2"	3/8" - 18 NPTF	---	4FF3	---	---
	1/2" - 14 NPTF	---	4FF4	DC10S	4FF4-S
	1/2" - 14 BSPP	---	4FBF4	---	---
	3/4" - 14 NPTF	---	4FF6	---	---

DF-Series Industrial Pneumatic Couplings

Automatic Male Threaded Couplers

Body Size	Threads	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/4"	1/8" - 27 NPTF	---	2DM1-B	---	---
	1/4" - 18 NPTF	DCB21	2DM2-B	DCS21	2DM2-S
	1/4" - 19 BSPT	---	2DBM2-B	---	---
	3/8" - 18 NPTF	DCB2103	2DM3-B	---	2DM3-S
	3/8" - 19 BSPT	---	2DBM3-B	---	---
3/8"	1/4" - 18 NPTF	DCB2502	3DM2-B	---	---
	3/8" - 18 NPTF	DCB25	3DM3-B	DCS25	3DM3-S
	3/8" - 19 BSPT	---	3DBM3-B	---	---
	1/2" - 14 NPTF	DCB2504	3DM4-B	---	---
1/2"	3/8" - 18 NPTF	DCB903	4DM3-B	---	---
	1/2" - 14 NPTF	DCB9	4DM4-B	DCS9	4DM4-S
	1/2" - 14 BSPT	---	4DBM4-B	---	---
	3/4" - 14 NPTF	DCB906	4DM6-B	---	---
3/4"	1/2" - 14 NPTF	---	6DM4-B	---	---
	3/4" - 14 NPTF	---	6DM6-B	---	---
	1" - 11 1/2 NPTF	---	6DM8-B	---	---



brass



303 stainless

Manual Male Threaded Couplers

Body Size	Threads	Brass Part #	Steel Part #	303 Stainless Steel	
				Previous Part #	Part #
1/4"	1/8" - 27 NPTF	2FM1-B	---	---	2FM1-S
	1/4" - 18 NPTF	2FM2-B	2FM2	DC21S	2FM2-S
	1/4" - 19 BSPT	2FBM2-B	---	---	---
	3/8" - 18 NPTF	2FM3-B	---	---	2FM3-S
	3/8" - 19 BSPT	2FBM3-B	---	---	---
3/8"	1/4" - 18 NPTF	---	3FM2	---	---
	3/8" - 18 NPTF	---	3FM3	DC25S	3FM3-S
	3/8" - 19 BSPT	---	3FBM3	---	---
	1/2" - 14 NPTF	---	3FM4	---	---
1/2"	3/8" - 18 NPTF	---	4FM3	---	---
	1/2" - 14 NPTF	---	4FM4	DC9S	4FM4-S
	1/2" - 14 BSPT	---	4FBM4	---	---
	3/4" - 14 NPTF	---	4FM6	---	---



brass



steel



303 stainless

DF-Series Industrial Pneumatic Couplings



brass



303 stainless

Automatic Standard Hose Barb Couplers

Body Size	Hose ID	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/4"	1/4"	DCB2042	2DS2-B	DCS2042	2DS2-S
	3/8"	DCB2044	2DS3-B	---	2DS3-S
3/8"	1/4"	DCB2642	3DS2-B	---	---
	3/8"	DCB2644	3DS3-B	DCS2644	3DS3-S
	1/2"	DCB2645	3DS4-B	---	---
1/2"	3/8"	DCB1044	4DS3-B	---	---
	1/2"	DCB1045	4DS4-B	DCS1045	4DS4-S
	3/4"	DCB1046	4DS6-B	---	---
3/4"	1/2"	---	6DS4-B	---	---
	3/4"	---	6DS6-B	---	---
	1"	---	6DS8-B	---	---

Manual Standard Hose Barb Couplers



brass



steel



303 stainless

Body Size	Hose ID	Brass Part #	Previous Part #	Steel Part #	303 Stainless Steel	
					Previous Part #	Part #
1/4"	1/4"	2FS2-B	---	2FS2	DC2042S	2FS2-S
	5/16"	2FS2.5-B	---	---	---	---
	3/8"	2FS3-B	---	---	---	2FS3-S
3/8"	1/4"	---	DC2642	3FS2	---	---
	3/8"	---	---	3FS3	DC2644S	3FS3-S
	1/2"	---	---	3FS4	---	---
1/2"	3/8"	---	---	4FS3	---	---
	1/2"	---	---	4FS4	DC1045S	4FS4-S
	3/4"	---	---	4FS6	---	---

DF-Series Industrial Pneumatic Couplings

Automatic Push-Loc Barb Couplers

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2DB2-B
	3/8"	2DB3-B
3/8"	3/8"	3DB3-B
1/2"	1/2"	4DB4-B



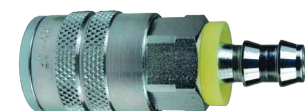
Pneumatic Fittings

Manual Push-Loc Barb Couplers

Body Size	Hose ID	Brass Part #	Steel Part #
1/4"	1/4"	2FB2-B	---
	3/8"	2FB3-B	---
3/8"	1/4"	---	3FB2
	3/8"	---	3FB3
	1/2"	---	3FB4
1/2"	3/8"	---	4FB3
	1/2"	---	4FB4



brass



steel

Push-Loc Hose Barb Plugs

Body Size	Hose ID	Brass Part #	Steel	
			Previous Part #	Part #
1/4"	1/4"	D2B2-B	DCP2142L	D2B2
	3/8"	---	---	D2B3
3/8"	1/4"	---	---	D3B2
	3/8"	---	DCP2544L	D3B3
	1/2"	---	---	D3B4
1/2"	1/2"	---	---	D4B4
3/4"	3/4"	---	---	D6B6



brass



steel

Automatic Reusable Barb Couplers

Body Size	Hose ID X OD	Brass Part #
1/4"	1/4" x 1/2"	2DE2-B
	1/4" x 5/8"	2DH2-B
	3/8" x 11/16"	2DK3-B
	3/8" x 3/4"	2DL3-B

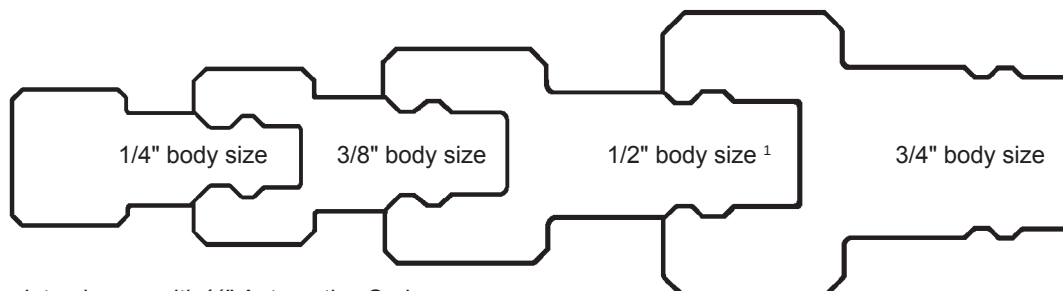


Reusable Barb Plugs

Body Size	Hose ID X OD	Steel Part #
1/4"	1/4" x 1/2"	D2E2
	1/4" x 5/8"	D2H2
	3/8" x 11/16"	D2K3
	3/8" x 3/4"	D2L3



DF-Series Actual Size Profile Charts



¹ 1/2" may also interchange with 1/2" Automotive Series



J-Series Automotive Pneumatic Couplings

Features:

- pressure rating: Brass Coupler/Steel Plug and Steel Coupler/Steel Plug: **500 PSI**, Brass Coupler/Brass Plug: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 121°C)**
- interchanges with other Truflate Automotive designs

Operating pressure for couplings utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon® cannot assume liability for misapplication of production resulting in equipment down-time, lost production, and/or personal injury including death. 



brass



steel

Female Threaded Plugs

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	---	J2F1
	1/4" - 18 NPTF	J2F2-B	J2F2
	3/8" - 18 NPTF	---	J2F3
3/8"	1/4" - 18 NPTF	---	J3F2
	3/8" - 18 NPTF	---	J3F3
	1/2" - 14 NPTF	---	J3F4
1/2"	3/8" - 18 NPTF	---	J4F3
	1/2" - 14 NPTF	---	J4F4
	3/4" - 14 NPTF	---	J4F6

Male Threaded Plugs



brass



steel

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	---	J2M1
	1/4" - 18 NPTF	J2M2-B	J2M2
	3/8" - 18 NPTF	---	J2M3
3/8"	1/4" - 18 NPTF	---	J3M2
	3/8" - 18 NPTF	---	J3M3
	1/2" - 14 NPTF	---	J3M4
1/2"	3/8" - 18 NPTF	---	J4M3
	1/2" - 14 NPTF	---	J4M4
	3/4" - 14 NPTF	---	J4M6

Standard Hose Barb Plugs



Body Size	Hose ID	Steel	
		Previous Part #	Part #
1/4"	1/4"	---	J2S2
	3/8"	---	J2S3
3/8"	1/4"	DCP542	J3S2
	3/8"	---	J3S3
	1/2"	---	J3S4
1/2"	3/8"	---	J4S3
	1/2"	---	J4S4
	3/4"	---	J4S6

J-Series Automotive Pneumatic Couplings

Female Threaded Couplers

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	2JF1-B	---
	1/4" - 18 NPTF	2JF2-B	---
	3/8" - 18 NPTF	2JF3-B	---
3/8"	1/4" - 18 NPTF	---	3JF2
	3/8" - 18 NPTF	---	3JF3
	1/2" - 14 NPTF	---	3JF4

- 1/2" body J-Series plugs are used with 1/2" body DF-Series Manual couplers on page 312



brass



steel

Male Threaded Couplers

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	2JM1-B	---
	1/4" - 18 NPTF	2JM2-B	---
	3/8" - 18 NPTF	2JM3-B	---
3/8"	1/4" - 18 NPTF	---	3JM2
	3/8" - 18 NPTF	---	3JM3
	1/2" - 14 NPTF	---	3JM4

- 1/2" body J-Series plugs are used with 1/2" body DF-Series Manual couplers on page 313



brass



steel

Standard Hose Barb Couplers

Body Size	Hose ID	Brass Part #	Steel Part #
1/4"	1/4"	2JS2-B	---
	3/8"	2JS3-B	---
3/8"	1/4"	---	3JS2
	3/8"	---	3JS3
	1/2"	---	3JS4

- 1/2" body J-Series plugs are used with 1/2" body DF-Series Manual couplers on page 314



brass



steel

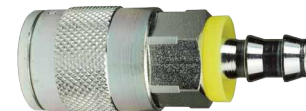
Push-Loc Hose Barb Couplers

Body Size	Hose ID	Brass Part #	Steel Part #
1/4"	1/4"	2JB2-B	---
	3/8"	2JB3-B	---
3/8"	1/4"	---	3JB2
	3/8"	---	3JB3
	1/2"	---	3JB4

- 1/2" body J-Series plugs are used with 1/2" body DF-Series Manual couplers on page 315



brass



steel

Push-Loc Hose Barb Plugs

Body Size	Hose ID	Steel Part #
1/4"	1/4"	J2B2
	3/8"	J2B3
3/8"	3/8"	J3B3
1/2"	1/2"	J4B4



M-Series ARO Pneumatic Couplings

Features:

- pressure rating: **300 PSI** at ambient temperature **70°F (21°C)**
- automatic couplings interchanges with ARO 210/310 designs and Hansen Series 210/310
- manual couplings interchange with Parker 50-Series and Amflo Type 'B'

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 362 and 556. 

Female Threaded Plugs



brass



steel

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/4" - 18 NPTF	M2F2-B	M2F2
	3/8" - 18 NPTF	---	M2F3
3/8"	3/8" - 18 NPTF	---	M3F3

Male Threaded Plugs



brass



steel

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	---	M2M1
	1/4" - 18 NPTF	M2M2-B	M2M2
	3/8" - 18 NPTF	---	M2M3
3/8"	3/8" - 18 NPTF	---	M3M3

Standard Hose Barb Plugs



Body Size	Hose ID	Previous Part #	Steel
			Part #
1/4"	1/4"	---	M2S2
	3/8"	DCP3744	M2S3
3/8"	3/8"	---	M3S3

Automatic Female Threaded Couplers



Body Size	Threads	Steel / Brass Part #
1/4"	1/4" - 18 NPT	2MF2-PL
	3/8" - 18 NPT	2MF3-PL
3/8"	3/8" - 18 NPT	3MF3-PL

Manual Female Threaded Couplers



Body Size	Threads	Brass Part #
1/4"	1/4" - 18 NPT	2MF2-B
	3/8" - 18 NPT	2MF3-B

M-Series ARO Pneumatic Couplings

Automatic Male Threaded Couplers

Body Size	Threads	Steel / Brass Part #
1/4"	1/4" - 18 NPT	2MM2-PL
	3/8" - 18 NPT	2MM3-PL
3/8"	3/8" - 18 NPT	3MM3-PL
	1/2" - 14 NPTF	3MM4-PL



Manual Male Threaded Couplers

Body Size	Threads	Brass Part #
1/4"	1/4" - 18 NPT	2MM2-B
	3/8" - 18 NPT	2MM3-B



Automatic Standard Hose Barb Couplers

Body Size	Hose ID	Steel / Brass Part #
1/4"	1/4"	2MS2-PL
	5/16"	2MS2.5-PL
	3/8"	2MS3-PL
3/8"	3/8"	3MS3-PL



Manual Standard Hose Barb Couplers

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2MS2-B
	3/8"	2MS3-B



Push-Loc Barb Plug

Body Size	Hose ID	Steel Part #
1/4"	1/4"	M2B2



CJ-Series Pneumatic Couplings

Features:

- European High-Flow Interchange
- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 112°C)**
- 1/4" interchanges with Coilhose Megaflow, CEJN 320, and Rectus 25KA/26KA;
- 3/8" interchanges with Rectus 27KA and CEJN 410

Female Threaded Plugs



brass



steel

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/4" - 18 NPT	CJ2F2-B	CJ2F2-LG
	1/4" - 19 BSPP	CJ2BF2-B	CJ2BF2-LG
	3/8" - 18 NPT	CJ2F3-B	CJ2F3-LG
	3/8" - 19 BSPP	CJ2BF3-B	CJ2BF3-LG
3/8"	3/8" - 18 NPT	CJ3F3-B	CJ3F3
	3/8" - 19 BSPP	CJ3BF3-B	CJ3BF3
	1/2" - 14 NPT	CJ3F4-B	---
	1/2" - 14 BSPP	CJ3BF4-B	CJ3BF4

Male Threaded Plugs



brass



steel

Body Size	Threads	Previous Part #	Brass	Steel Part #
			Part #	
1/4"	1/4" - 18 NPT	DCP41	CJ2M2-B	CJ2M2-LG
	1/4" - 19 BSPT	---	CJ2BM2-B	CJ2BM2-LG
	3/8" - 18 NPT	---	CJ2M3-B	CJ2M3-LG
	3/8" - 19 BSPT	---	CJ2BM3-B	CJ2BM3-LG
3/8"	3/8" - 18 NPT	---	CJ3M3-B	CJ3M3
	3/8" - 19 BSPT	---	CJ3BM3-B	CJ3BM3
	1/2" - 14 NPT	---	CJ3M4-B	CJ3M4
	1/2" - 14 BSPT	---	CJ3BM4-B	CJ3BM4

Female Threaded Couplers



Body Size	Threads	Previous Part #	Brass
			Part #
1/4"	1/4" - 18 NPT	DC41	2CJF2-B
	1/4" - 19 BSPP	---	2CJBF2-B
	3/8" - 18 NPT	---	2CJF3-B
	3/8" - 19 BSPP	---	2CJBF3-B
3/8"	3/8" - 18 NPT	---	3CJF3-B
	3/8" - 19 BSPP	---	3CJBF3-B
	1/2" - 14 NPT	---	3CJF4-B
	1/2" - 14 BSPP	---	3CJBF4-B

Male Threaded Couplers



Body Size	Threads	Brass Part #
1/4"	1/4" - 18 NPT	2CJM2-B
	1/4" - 19 BSPT	2CJBM2-B
	3/8" - 18 NPT	2CJM3-B
	3/8" - 19 BSPT	2CJBM3-B
3/8"	3/8" - 18 NPT	3CJM3-B
	3/8" - 19 BSPT	3CJBM3-B
	1/2" - 14 NPT	3CJM4-B
	1/2" - 14 BSPT	3CJBM4-B

SHD-Series Schrader Pneumatic Couplings

Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 112°C)**
- interchanges with Parker Twist-Lock, Tomco Series-TL, Foster SHD

Operating pressure for couplings utilizing hose barb end connections may be dramatically reduced to that of the hose rating and/or hose end connection combination. Consult hose manufacturer's catalog for hose end connection ratings. If in doubt, test under controlled conditions for suitability to application. Dixon Quick Coupling cannot assume liability for misapplication of production resulting in equipment down-time, lost production, and/or personal injury including death. 

Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/8" - 27 NPT	SHD2F1
	1/4" - 18 NPT	SHD2F2
1/2"	3/8" - 18 NPT	SHD4F3



Male Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/8" - 27 NPT	SHD2M1
	1/4" - 18 NPT	SHD2M2
1/2"	3/8" - 18 NPT	SHD4M3
	1/2" - 14 NPT	SHD4M4



F

Female Threaded Couplers

Body Size	Threads	Aluminum Part #
1/4"	1/4" - 18 NPT	2SHDF2
	3/8" - 18 NPT	2SHDF3
1/2"	3/8" - 18 NPT	4SHDF3
	1/2" - 14 NPT	4SHDF4
	3/4" - 14 NPT	4SHDF6



Male Threaded Couplers

Body Size	Threads	Aluminum Part #
1/4"	1/4" - 18 NPT	2SHDM2
	3/8" - 18 NPT	2SHDM3
1/2"	3/8" - 18 NPT	4SHDM3
	1/2" - 14 NPT	4SHDM4



SHD-Series Schrader Pneumatic Couplings

Standard Hose Barb Plugs



Body Size	Hose ID	Steel Part #
1/4"	1/4"	SHD2S2
	3/8"	SHD2S3
1/2"	3/8"	SHD4S3
	1/2"	SHD4S4

Standard Hose Barb Couplers



Body Size	Hose ID	Aluminum Part #
1/4"	1/4"	2SHDS2
	3/8"	2SHDS3
1/2"	3/8"	4SHDS3
	1/2"	4SHDS4

L-Series Lincoln Pneumatic Couplings

Features:

- pressure rating: **300 PSI**
- temperature range: **-40°F to 250°F (-40°C to 112°C)**
- Lincoln Long-Nose Automotive Interchange
- interchanges with Parker 70-Series, Tomco Series-1110, Coilhose Type-17

It is important to be safe when installing quick disconnect couplings into a pneumatic circuit. Never install a pneumatic coupling directly into an air tool, use a piece of hose that is at least 18" long, between the tool and the coupling, to prevent damage to the coupling. To protect the operator, safety devices, such as a safety check valve and safety cable should be installed in case there is a hose or coupling failure. For safety check valves and cables see pages 362 and 556. 

Female Threaded Plug



Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPT	L2F2

Male Threaded Plug



Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPT	L2M2

Female Threaded Coupler



Body Size	Threads	Brass Part #
1/4"	1/4" - 18 NPT	2LF2-B

Male Threaded Coupler



Body Size	Threads	Brass Part #
1/4"	1/4" - 18 NPT	2LM2-B

U-Series Universal Pneumatic Couplings

Features:

- temperature range: **-40°F to 250°F (-40°C to 112°C)**
- couplers are automatic
- 2U-Series 6-in-1 (Aro 210, Industrial, Truflate, Lincoln, Italian, and CEJN 320)
- 3U-Series 4-in-1 (ARO 310, Industrial, Truflate, and CEJN 410)
- Parker UC-Series, Hansen Auto-Flo 23, and Tomco Series UC
- Although the universal coupler permits multiple series nipples to mate with one coupler, it is recommended to match like series couplers and nipples. When using a Universal coupler, the lower performance rating between the coupler and nipple must take precedence.
- Some pneumatic applications require the pressurized air to be 'dried' to ensure proper operation of equipment and/or application of product (ie. auto body shops). It is best to match like series couplers and nipples in these applications. If it is necessary to use a Universal coupler, lube the seal and valve area regularly to ensure reliable service.
- for air service only 

Female Threaded Couplers

Body Size	Threads	Brass Part #
1/4"	1/4" - 18 NPT	2UF2-B
	3/8" - 18 NPT	2UF3-B
3/8"	3/8" - 18 NPT	3UF3-B



Male Threaded Couplers

Body Size	Threads	Brass Part #
1/4"	1/4" - 18 NPT	2UM2-B
	3/8" - 18 NPT	2UM3-B
3/8"	3/8" - 18 NPT	3UM3-B



Standard Hose Barb Couplers

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2US2-B
	3/8"	2US3-B
3/8"	3/8"	3US3-B



Push-On Hose Barb Couplers

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2UB2-B
	3/8"	2UB3-B



NK-Series Japanese Pneumatic Couplings

Features:

- Japanese Industrial Interchange Pneumatic Coupling
- Interchanges with Nitto Kohki Hi-Cupla 200, Rectus Series 13, and CEJN Series 315
- Nitrile (Buna-N) seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**
- pressure rating: **300 PSI**



Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPT 1/4" -19 BSPP	NK2F2 NK2BF2



Male Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPT 1/4" -19 BSPP	NK2M2 NK2BM2



Hose Barb Plug

Body Size	Hose ID	Steel Part #
1/4"	1/4"	NK2S2



Female Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPT 1/4" -19 BSPP	2NKF2 2NKBF2



Male Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPT 1/4" -19 BSPP	2NKM2 2NKBM2



Hose Barb Coupler

Body Size	Hose ID	Steel Part #
1/4"	1/4"	2NKS2

BR-Series Pneumatic Couplings

Features:

- Interchange data: Rectus 21KA, Tomco Series SC, CEJN Series 223
- Nitrile (Buna-N) seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**
- pressure rating: **300 PSI**

Female Threaded Plugs

Body Size	Threads	Brass Part #
1/8"	1/8" - 27 NPT	BR1F1-B-E-7
	1/8" - 28 BSPP	BR1BF1-B-E-7
	1/4" - 18 NPT	BR1F2-B-E-7
	1/4" - 19 BSPP	BR1BF2-B-E-7



Male Threaded Plugs

Body Size	Threads	Brass Part #
1/8"	1/8" - 27 NPT	BR1M1-B-E-7
	1/8" - 28 BSPP	BR1GM1-B-E-7
	1/4" - 18 NPT	BR1M2-B-E-7
	1/4" - 19 BSPP	BR1GM2-B-E-7



Female Threaded Couplers

Body Size	Threads	Brass Part #
1/8"	1/8" - 27 NPT	1BRF1-B-7
	1/8" - 28 BSPP	1BRBF1-B-7
	1/4" - 18 NPT	1BRF2-B-7
	1/4" - 19 BSPP	1BRBF2-B-7



Male Threaded Couplers

Body Size	Threads	Brass Part #
1/8"	1/8" - 27 NPT	1BRM1-B-7
	1/8" - 28 BSPP	1BRGM1-B-7
	1/4" - 18 NPT	1BRM2-B-7
	1/4" - 19 BSPP	1BRGM2-B-7



Hose Barb Plugs

Body Size	Hose ID	Brass Part #
1/8"	4mm	BR1S1.25-B-E-7
	6mm	BR1S1.86-B-E-7
	9mm	BR1S2.83-B-E-7



Hose Barb Couplers

Body Size	Hose ID	Brass Part #
1/8"	4mm	1BRS1.25-B-7
	6mm	1BRS1.86-B-7
	9mm	1BRS2.83-B-7



A-Series Pneumatic Couplings

Features:

- Interchange data: Dixon Quick Coupling Proprietary Astronautics
- Nitrile (Buna-N) seals are standard temperature range **-40°F to 250°F (-40°C to 121°C)**

Female Threaded Plugs



brass



steel

Body Size	Threads	Brass Part #	Steel Part #
1/8"	1/8" - 27 NPTF	A1F1-B	---
1/4"	1/8" - 27 NPTF	A2F1-B	---
	1/4" - 18 NPTF	A2F2-B	A2F2

Male Threaded Plugs



brass



steel

Body Size	Threads	Brass Part #	Steel Part #
1/8"	1/8" - 27 NPTF	A1M1-B	---
1/4"	1/4" - 18 NPTF	A2M2-B	A2M2

Hose Barb Plugs



brass



steel

Body Size	Hose ID	Brass Part #	Steel Part #
1/8"	1/8"	A1S1-B	---
1/4"	1/4"	---	A2S2

Female Threaded Couplers



Body Size	Threads	Brass Part #
1/8"	1/8" - 27 NPTF	1AF1-B
1/4"	1/8" - 27 NPTF	2AF1-B
	1/4" - 18 NPTF	2AF2-B

Male Threaded Couplers



Body Size	Threads	Brass Part #
1/8"	1/8" - 27 NPTF	1AM1-B
1/4"	1/8" - 27 NPTF	2AM1-B
	1/4" - 18 NPTF	2AM2-B

A-Series Pneumatic Couplings

Hose Barb Couplers

Body Size	Hose ID	Brass Part #
1/8"	1/8"	1AS1-B
1/4"	1/4"	2AS2-B



Reusable Barb Plugs

Body Size	Hose ID	Brass Part #	Steel Part #
1/4"	1/4" x 1/2"	A2E2-B	A2E2



brass



steel

Reusable Barb Coupler

Body Size	Hose ID x OD	Brass Part #
1/4"	1/4" x 1/2"	2AE2-B



3500 Male Nipples

Features:

- working pressure: **600 PSI** at ambient temperature **70°F (21°C)**
- for air and water service only
- The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip hose should remain permanently connected to the tool.



Male Threaded

Hose Size	Male NPT	Zinc Plated Steel Part #	Optional Qty
1/4"	1/8"	3501	100
1/4"	1/4"	3502	100
1/4"	3/8"	3504	100
3/8"	1/4"	3505	100
3/8"	3/8"	3506	100
3/8"	1/2"	3508	100
1/2"	1/4"	3509	100
1/2"	3/8"	3510	100
1/2"	1/2"	3512	100
1/2"	3/4"	3511	50
3/4"	1/2"	3513	50
3/4"	3/4"	3514	50
3/4"	1"	3515	25
1"	3/4"	3516	25
1"	1"	3518	25

Female Threaded

Hose Size	Female NPT	Zinc Plated Steel Part #	Optional Qty
1/4"	1/4"	3542	100
3/8"	1/4"	3545	50
3/8"	3/8"	3546	50
1/2"	3/8"	3550	100
1/2"	1/2"	3552	50
3/4"	3/4"	3554	50

Male Threaded with Ferrule

Features:

- zinc plated steel 3500 nipple with carbon steel ferrule
- can be crimped or swaged-on to achieve maximum coupling sealing and retention, for crimp dimensions see dixonvalve.com
- low profile, streamline appearance

Hose Size	Male NPT	Hose OD		Steel Part #
		From	To	
3/8"	1/4"	46/64"	50/64"	3505WF
3/8"	1/2"	46/64"	50/64"	3508WF
1/2"	1/4"	54/64"	58/64"	3509WF
1/2"	3/8"	54/64"	58/64"	3510WF
1/2"	3/4"	54/64"	58/64"	3511WF
1/2"	1/2"	54/64"	58/64"	3512WF
3/4"	3/4"	1-10/64"	1-14/64"	3514WF
1"	1"	1-30/64"	1-34/64"	3518WF
1"	1"	1-34/64"	1-38/64"	3518WF2



Bent Stem Swivels

Hose Barb

Features:

- $\frac{7}{8}$ " thread fits the following tool brands: Ingersoll-Rand, Thor, Black & Decker, Harper, Jet, Texas Pneumatic, Kent and Sullair
- $\frac{1}{2}$ " thread fits all tools with $\frac{1}{2}$ " female NPT thread
- $\frac{1}{2}$ " hose barb
- designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**

Description	Steel Part #	Optional Qty
$\frac{7}{8}$ " - 24 thread x $\frac{1}{2}$ " hose barb	ATS7812H	50
$\frac{1}{2}$ " NPT thread x $\frac{1}{2}$ " hose barb	ATS1212H	50



Female Pipe Thread

Feature:

- $\frac{7}{8}$ " thread fits most chipping hammers
- $\frac{3}{8}$ " female pipe thread
- designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**

Description	Steel Part #	Optional Qty
$\frac{7}{8}$ " - 24 thread x $\frac{3}{8}$ " female NPT	ATS7838F	25



Male Pipe Thread

Feature:

- $\frac{7}{8}$ " thread fits most chipping hammers
- $\frac{3}{8}$ " male pipe thread
- designed for normal operation at **90 PSI** at ambient temperature **70°F (21°C)**

Description	Steel Part #	Optional Qty
$\frac{7}{8}$ " - 24 thread x $\frac{3}{8}$ " male NPT	ATS7838M	50



D.O.T. Push-In Fittings

Features:

- materials:
 - body (straights) tube, supports and grippers: brass CA360
 - forged elbows and tees: brass CA377
 - O-ring: Buna-N
- suitable for use up to the maximum working pressure of the plastic tubing used, also suitable for vacuum service
- temperature range: **-40°F to 212°F (-40°C to 100°C)**
- pre-applied thread sealant (Loctite 516®) on all male pipe threads
- compatible tubing: SAE J844
- meets D.O.T FMVSS 571.106 and SAE J1131, SAE J2494-1 and SAE J2494-3



Male Connectors

Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ68DOT4X2	10
1/4"	1/4"	AQ68DOT4X4	10
1/4"	3/8"	AQ68DOT4X6	5
3/8"	1/4"	AQ68DOT6X4	10
3/8"	3/8"	AQ68DOT6X6	10

Union Connectors



Tube OD	Part #	Pkg Qty
1/4"	AQ62DOT4	10
3/8"	AQ62DOT6	10

Male Elbows



Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ69DOT4X2	10
1/4"	1/4"	AQ69DOT4X4	10
3/8"	1/4"	AQ69DOT6X4	10

D.O.T. Push-In Male Swivel Elbows



Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ69DOTS4X2	10
1/4"	1/4"	AQ69DOTS4X4	10
1/4"	3/8"	AQ69DOTS4X6	10
3/8"	1/4"	AQ69DOTS6X4	10
3/8"	3/8"	AQ69DOTS6X6	5

D.O.T. Push-In Fittings

Male Swivel Run Tees

Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ71DOTS4X2	10
1/4"	1/4"	AQ71DOTS4X4	5



Male Swivel Branch Tees

Tube OD	Male NPTF	Part #	Pkg Qty
1/4"	1/8"	AQ72DOTS4X2	10
1/4"	1/4"	AQ72DOTS4X4	5



Union Tees

Tube OD	Part #	Pkg Qty
1/4"	AQ64DOT4	10
3/8"	AQ64DOT6	10



Legris D.O.T. Push-In Fittings

Features:

- materials: composite body, brass collet, stainless steel tube support, brass threads, Buna-N O-ring
- maximum operating pressure: **250 PSI** at ambient temperature
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- suitable fluids: compressed air only
- complies with the performance requirements of D.O.T FMVSS 571.106 (SAE J1131) and SAE J2494-3
- *These fittings are designed for use on all pneumatic circuits other than air brake assemblies between the frame and axle or between towed and towing vehicle.*



Male Connectors

Tube OD	Male NPT	Part #	Pkg Qty
5/32"	1/8"	31150411DOT	10
5/32"	1/4"	31150414DOT	10
3/16"	1/8"	31155511DOT	10
3/16"	1/4"	31155514DOT	10
1/4"	1/8"	31155611DOT	10
1/4"	1/4"	31155614DOT	10
1/4"	3/8"	31155618DOT	10
3/8"	1/8"	31156011DOT	10
3/8"	1/4"	31156014DOT	10
3/8"	3/8"	31156018DOT	10
3/8"	1/2"	31156022DOT	10
1/2"	1/4"	31156214DOT	10
1/2"	3/8"	31156218DOT	10
1/2"	1/2"	31156222DOT	10

- meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3

Female Connectors

Tube OD	Female NPT	Part #	Pkg Qty
5/32"	1/8"	31140411DOT	10
3/16"	1/8"	31145511DOT	10
1/4"	1/8"	31145611DOT	10
1/4"	1/4"	31145614DOT	10
3/8"	1/4"	31146014DOT	10
3/8"	3/8"	31146018DOT	10

- meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3



Legris D.O.T. Push-In Fittings

Unions

Tube OD	Part #	Pkg Qty
5/32"	31060400DOT ^{1,2}	10
3/16"	31065500DOT ^{1,2}	10
1/4"	31065600DOT ³	10
3/8"	31066000DOT ³	10
1/2"	31066200DOT ³	10

¹ brass body² meets D.O.T FMVSS571.106, SAE J2494 and SAE J2494-3³ meets D.O.T FMVSS571.106, J1131 and SAE2494-3

Bulkhead Unions

Tube OD	Part #	Pkg Qty
1/4"	31165600DOT	10
3/8"	31166000DOT	10
1/2"	31166200DOT	10

- meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3



Union Elbows

Tube OD	Part #	Pkg Qty
5/32"	31020400DOT ¹	10
1/4"	31025600DOT	10
3/8"	31026000DOT	10
1/2"	31026200DOT	10

- 5/32" diameter meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3
- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3

¹ brass body

Male Elbows

Tube OD	Male NPT	Part #	Pkg Qty
5/32"	1/8"	31090411DOT ¹	10
3/16"	1/8"	31095511DOT ¹	10
1/4"	1/8"	31095611DOT	10
1/4"	1/4"	31095614DOT	10
1/4"	3/8"	31095618DOT	10
3/8"	1/4"	31096014DOT	10
3/8"	3/8"	31096018DOT	10
3/8"	1/2"	31096022DOT	10
1/2"	1/4"	31096214DOT	10
1/2"	3/8"	31096218DOT	10
1/2"	1/2"	31096222DOT	10

- 5/32" and 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3
- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3
- fitting can be oriented 360° allowing proper positioning of the fitting

¹ brass body

Legris D.O.T. Push-In Fittings

Reducer

Pneumatic Fittings



Tube OD	Tube OD	Part #	Pkg Qty
1/4"	3/8"	31665660DOT	10

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3

Plug In Elbow



Tube OD	Part #	Pkg Qty
1/4"	31825600DOT	10

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3

Male Branch Tees



Tube OD	Male NPT	Part #	Pkg Qty
1/4"	1/8"	31085611DOT	10
1/4"	1/4"	31085614DOT	10
1/4"	3/8"	31085618DOT	10
3/8"	1/4"	31086014DOT	10
3/8"	3/8"	31086018DOT	10
3/8"	1/2"	31086022DOT	10
1/2"	1/4"	31086214DOT	10
1/2"	3/8"	31086218DOT	10
1/2"	1/2"	31086222DOT	10

- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3
- fitting can be oriented 360° allowing proper positioning of the fitting

Union Tees



Tube OD	Part #	Pkg Qty
5/32"	31040400DOT ¹	10
3/16"	31045500DOT ¹	10
1/4"	31045600DOT	10
3/8"	31046000DOT	10
1/2"	31046200DOT	10

- 5/32" and 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3
- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3

¹ brass body

Legris D.O.T. Push-In Fittings

Legris D.O.T. Push-In Male Run Tees

Tube OD	Male NPT	Part #	Pkg Qty
3/16"	1/8"	31035511DOT¹	10
1/4"	1/8"	31035611DOT	10
1/4"	1/4"	31035614DOT	10
1/4"	3/8"	31035618DOT	10
3/8"	1/4"	31036014DOT	10
3/8"	3/8"	31036018DOT	10
3/8"	1/2"	31036022DOT	10
1/2"	1/4"	31036214DOT	10
1/2"	3/8"	31036218DOT	10
1/2"	1/2"	31036222DOT	10

- 3/16" diameter meets D.O.T. FMVSS571.106, SAE J2494 and SAE J2494-3
- 1/4", 3/8" and 1/2" diameters meet D.O.T. FMVSS571.106, J1131 and SAE 2494-3
- fitting can be oriented 360° allowing proper positioning of the fitting

¹ brass body



Legris D.O.T. Push-In Plug In Run Tee

Tube OD	Part #	Pkg Qty
1/4"	31835600DOT	10

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3



Legris D.O.T. Push-In Y Connectors

Tube OD	Male NPT	Part #	Pkg Qty
1/4"	1/8"	31485611DOT	10
1/4"	1/4"	31485614DOT	10

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3
- fitting can be oriented 360° allowing proper positioning of the fitting



Legris D.O.T. Push-In Y Unions

Tube OD	Part #	Pkg Qty
1/4"	31405600DOT	10
3/8"	31406000DOT	10

- meets D.O.T. FMVSS571.106, J1131 and SAE 2494-3



Air Brake Fittings

Application:

- designed for use in air brake systems or cab controls

Features:

- utilize ribbed sleeve for compression and positive grip
- machined from CA360, CA345, or CA377 brass
- pre-applied thread sealant on all male pipe threads
- maximum operating pressure: **150 PSI**
- temperature range: **-40°F to 200°F (-40°C to 93°C)**
- compatible tubing: SAE J844 type A and B
- specifications: meets D.O.T FMVSS 571.106 and SAE J246

Assembly Instructions:

- Cut tubing squarely - maximum of 15° angle allowable.
- Check that port or mating part is clean and free of debris.
- Insert tubing into fittings until it bottoms on seat.
- Tighten nut with wrench until one thread remains visible on the fittings body; (this will allow for a number of remakes) or, the nut should be screwed down finger tight, then wrench-tightened as indicated in the chart below.

Tube Size	Turns required to seal from hand tight
3/16"	2½
1/4"	3
3/8" & 1/2"	4
5/8" & 3/4"	3½

Male Connectors**Features:**

- ref. SAE 100102 BA
- thread sealant may be white or burnt orange

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
3/16"	1/16"	5/16"-24	68NAB31VS	25
3/16"	1/8"	5/16"-24	68NAB32VS	50
3/16"	1/4"	5/16"-24	68NAB34VS	25
1/4"	1/8"	7/16"-24	68NAB42VS	50
1/4"	1/4"	7/16"-24	68NAB44VS	50
1/4"	3/8"	7/16"-24	68NAB46VS	10
3/8"	1/8"	17/32"-24	68NAB62VS	25
3/8"	1/4"	17/32"-24	68NAB64VS	25
3/8"	3/8"	17/32"-24	68NAB66VS	25
3/8"	1/2"	17/32"-24	68NAB68VS	25
1/2"	1/4"	11/16"-20	68NAB84VS	10
1/2"	3/8"	11/16"-20	68NAB86VS	25
1/2"	1/2"	11/16"-20	68NAB88VS	25
5/8"	3/8"	13/16"-18	68NAB106VS	10
5/8"	1/2"	13/16"-18	68NAB108VS	10
3/4"	3/8"	1"-18	68NAB126VS	10
3/4"	1/2"	1"-18	68NAB128VS	10
3/4"	3/4"	1"-18	68NAB1212VS	10

**Female Connectors****Feature:**

- ref. SAE 100103 BA

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
1/4"	1/8"	7/16"-24	66NAB42	25
1/4"	1/4"	7/16"-24	66NAB44	10
3/8"	1/8"	17/32"-24	66NAB62	10
3/8"	1/4"	17/32"-24	66NAB64	10
1/2"	3/8"	11/16"-20	66NAB86 ¹	10
1/2"	1/2"	11/16"-20	66NAB88	10
5/8"	3/8"	13/16"-18	66NAB106	10
5/8"	1/2"	13/16"-18	66NAB108	10

¹ not full hex as shown



Air Brake Fittings

Unions

Feature:

- ref. SAE 100101

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16"-24	62NAB4	10
3/8"	17/32"-24	62NAB6	10
1/2"	11/16"-20	62NAB8	10
5/8"	13/16"-18	62NAB10	10
3/4"	1"-18	62NAB12	10



Bulkhead Unions

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16"-24	62NABH4	10
3/8"	17/32"-24	62NABH6	10
1/2"	11/16"-20	62NABH8	10



Bulkhead Unions

Tube Size	Straight Thread	Part #	Pkg Qty
3/16"	5/16"-24	62NBH3	10
1/4"	7/16"-24	62NBH4	10
3/8"	17/32"-24	62NBH6	10
1/2"	11/16"-20	62NBH8	10
5/8"	13/16"-18	62NBH10	10



Bulkhead Unions

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16"-24	62NFBH4	10
3/8"	17/32"-24	62NFBH6	10
1/2"	11/16"-20	62NFBH8	10
5/8"	13/16"-18	62NFBH10	10



Bulkhead Unions

Tube Size	Pipe Thread	Part #	Pkg Qty
1/2"	3/8"	66NBH86	10



Female Elbows

Feature:

- ref. SAE 100203 BA

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
3/16"	1/8"	5/16"-24	70NAB32	25
1/4"	1/8"	7/16"-24	70NAB42	25
1/4"	1/4"	7/16"-24	70NAB44	25
3/8"	1/8"	17/32"-24	70NAB62	10
3/8"	1/4"	17/32"-24	70NAB64 ¹	10
3/8"	3/8"	17/32"-24	70NAB66	10
1/2"	3/8"	11/16"-20	70NAB86	10
1/2"	1/2"	11/16"-20	70NAB88	10
5/8"	1/2"	13/16"-18	70NAB108	10



¹ rounded elbow parts not as pictured



Air Brake Fittings

Male Elbows

Features:

- ref. SAE 100202 BA
- thread sealant may be white or burnt orange



Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
3/16"	1/8"	5/16"-24	69NAB32VS	10
3/16"	1/4"	5/16"-24	69NAB34VS	10
1/4"	1/8"	7/16"-24	69NAB42VS	50
1/4"	1/4"	7/16"-24	69NAB44VS	50
1/4"	3/8"	7/16"-24	69NAB46VS	10
3/8"	1/8"	17/32"-24	69NAB62VS	10
3/8"	1/4"	17/32"-24	69NAB64VS	25
3/8"	3/8"	17/32"-24	69NAB66VS	25
3/8"	1/2"	17/32"-24	69NAB68VS	10
1/2"	1/4"	11/16"-20	69NAB84VS	10
1/2"	3/8"	11/16"-20	69NAB86VS	10
1/2"	1/2"	11/16"-20	69NAB88VS	10
5/8"	3/8"	13/16"-18	69NAB106VS	10
5/8"	1/2"	13/16"-18	69NAB108VS	5
3/4"	1/2"	1"-18	69NAB128VS	5
3/4"	3/4"	1"-18	69NAB1212VS	5

Union Elbows

Feature:

- ref. SAE 100201 BA



Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16"-24	65NAB4	10
3/8"	17/32"-24	65NAB6	10
1/2"	11/16"-20	65NAB8	10
5/8"	13/16"-18	65NAB10	10

45° Elbows

Features:

- ref. SAE 100302 BA
- thread sealant may be white or burnt orange



Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
1/4"	1/8"	7/16"-24	79NAB42VS	10
1/4"	1/4"	7/16"-24	79NAB44VS	10
3/8"	1/8"	17/32"-24	79NAB62VS	10
3/8"	1/4"	17/32"-24	79NAB64VS	10
3/8"	3/8"	17/32"-24	79NAB66VS	10
3/8"	1/2"	17/32"-24	79NAB68VS	10
1/2"	1/4"	11/16"-20	79NAB84VS	10
1/2"	3/8"	11/16"-20	79NAB86VS	10
1/2"	1/2"	11/16"-20	79NAB88VS	10
5/8"	3/8"	13/16"-18	79NAB106VS	5
5/8"	1/2"	13/16"-18	79NAB108VS	5
3/4"	1/2"	1"-18	79NAB128VS	2

Air Brake Fittings

Male Branch Tees

Features:

- ref. SAE 100425 BA
- thread sealant may be white or burnt orange

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
3/16"	1/8"	7/16"-24	72NAB32VS	10
1/4"	1/8"	7/16"-24	72NAB42VS	10
1/4"	1/4"	7/16"-24	72NAB44VS	10
3/8"	1/8"	17/32"-24	72NAB62VS	10
3/8"	1/4"	17/32"-24	72NAB64VS	10
3/8"	3/8"	17/32"-24	72NAB66VS	10
1/2"	1/4"	11/16"-20	72NAB84VS	10
1/2"	3/8"	11/16"-20	72NAB86VS	10
1/2"	1/2"	11/16"-20	72NAB88VS	10
5/8"	1/2"	13/16"-18	72NAB108VS	10



Union Tees

Feature:

- ref. SAE 100401 BA

Tube Size	Straight Thread	Part #	Pkg Qty
1/4"	7/16"-24	64NAB4	25
3/8"	17/32"-24	64NAB6	10
1/2"	11/16"-20	64NAB8	10
5/8"	13/16"-18	64NAB10	10



Male Run Tees

Features:

- ref. SAE 100424 BA
- thread sealant may be white or burnt orange

Tube Size	Pipe Thread	Straight Thread	Part #	Pkg Qty
1/4"	1/8"	7/16"-24	71NAB42VS	10
1/4"	1/4"	7/16"-24	71NAB44VS	10
3/8"	1/4"	17/32"-24	71NAB64VS	10
3/8"	3/8"	17/32"-24	71NAB66VS	10
1/2"	3/8"	11/16"-20	71NAB86VS	10
1/2"	1/2"	11/16"-20	71NAB88VS	10
5/8"	1/2"	13/16"-18	71NAB108VS	5



Sleeves

Feature:

- ref. SAE 100115

Tube Size	Part #	Pkg Qty
3/16"	60NAB3	100
1/4"	60NAB4	100
3/8"	60NAB6	100
1/2"	60NAB8	100
5/8"	60NAB10	10
3/4"	60NAB12	50



Air Brake Fittings

**Feature:**

- for SAE J844 tubing

Inserts

Tube Size	302 / 304 Stainless Steel Part #	Pkg Qty
1/4"	63NAB4	200
3/8"	63NAB6	200
1/2"	63NAB8	100
5/8"	63NAB10	100
3/4"	63NAB12	100

Nuts**Feature:**

- ref. SAE 100110



Tube Size	Male NPT	Part #	Pkg Qty
3/16"	5/16"-24	61NAB3	100
1/4"	7/16"-24	61NAB4	100
3/8"	17/32"-24	61NAB6	100
1/2"	11/16"-20	61NAB8	50
5/8"	13/16"-18	61NAB10	25
3/4"	1"-18	61NAB12	25

Air Brake Fittings for Rubber Hose

Application:

- for use with SAEJ1402 air brake hose in making hose assemblies

Features:

- will meet D.O.T. FMVSS 571-106 standards when used with SAE J1402 Air Brake Hose
- working pressure: up to **225 PSI**
- temperature: **-50°F to 212°F (-46° to 100°C)**

Assembly Guide:

1. Slide nut onto hose
2. Slide sleeve onto hose with tapered edge toward fitting body
3. Firmly bottom the hose into fittings
4. Screw nut onto body until it contacts the fittings body's hex

Hose Springs

Hose Size	Length	Brass Alloy 360 Part #
3/8"	2.70"	56RBSG-06
1/2"	2.70"	56RBSG-08

Spring Guard Nuts

Hose Size	Straight Thread	Brass Alloy 360 Part #
3/8"	31/32"-20	61RBSG-06
1/2"	1-3/32-20	61RBSG-08

Air Brake Fittings for Rubber Hose

Hose Nut with Attached Springs

Hose Size	Length	Brass Alloy 360 Part #
3/8"	3.55"	67RBSG-06
1/2"	3.50"	67RBSG-08



Male Connectors

Tube OD	Pipe Thread	Straight Thread	Hex	Brass Alloy 360 Part #
3/8"	1/4"	31/32"-20	31/32"	68RB-0604B
3/8"	3/8"	31/32"-20	31/32"	68RB-0606B
3/8"	1/2"	31/32"-20	31/32"	68RB-0608B
1/2"	3/8"	1-3/32"-20	1-1/8"	68RB-0806B
1/2"	1/2"	1-3/32"-20	1-1/8"	68RB-0808B



Male Connector with Spring Guards

Hose Size	Pipe Thread	Hex	Brass Alloy 360 Part #
3/8"	1/4"	1-1/16"	68RBSG-0604
3/8"	3/8"	1-1/16"	68RBSG-0606
3/8"	1/2"	1-1/16"	68RBSG-0608
1/2"	3/8"	1-1/4"	68RBSG-0806
1/2"	1/2"	1-1/4"	68RBSG-0808



Sleeves

Hose Size	Length	Brass Alloy 360 Part #
3/8"	.64"	60RB-06
1/2"	.64"	60RB-08



Nuts

Hose Size	Thread	Hex	Brass Alloy 360 Part #
3/8"	31/32"-20	1-1/32"	61RB-06
1/2"	1-3/32"-20	1-1/4"	61RB-08



Brass Push-In Fittings

Features:

- saves up to 75% of assembly time compared to the standard compression fittings
- quick connect: simply push tubing in, no tools required
- quick disconnect: hold two fingers on insert and pull tubing out, no tools required
- reusable: connect and disconnect numerous times
- full flow design provides up to 60% more flow than conventional fittings with internal tube supports
- positive seal: no leaks, after tubing is inserted, seal is made
- secure tube retention: pulling on tubing only serves to tighten the connection
- pre-applied PTFE based pipe sealant on all male pipe threads saves customer additional labor
- working pressure: fittings are suitable for use up to the maximum working pressure of the plastic tubing used also suitable for vacuum service
- temperature range: -10°F to 200°F (-23°C to 93°C)

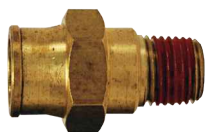
Male Connectors

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	10-32 ¹	684X10	20
1/8"	1/8"	684X4	20
5/32"	10-32 ¹	685X10	20
5/32"	1/8"	685X4	20
5/32"	1/4"	685X8	10
3/16"	10-32 ¹	686X10	20
3/16"	1/8"	686X4	20
1/4"	10-32 ¹	688X10	20
1/4"	1/8"	688X4	20
1/4"	1/4"	688X8	10
1/4"	3/8"	688X12	10
3/8"	1/8"	6812X4	10
3/8"	1/4"	6812X8	10
3/8"	3/8"	6812X12	10
3/8"	1/2"	6812X16	5
1/2"	1/4"	6816X8	5
1/2"	3/8"	6816X12	5
1/2"	1/2"	6816X16	5

¹ UNF - Straight thread, supplied with gasket

Female Connectors

Tube OD	Female NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	664X4	10
5/32"	1/8"	665X4	10
1/4"	1/8"	668X4	10
1/4"	1/4"	668X8	10
3/8"	1/4"	6612X8	10
3/8"	3/8"	6612X12	5



Brass Push-In Fittings

Unions

Tube OD	Forged Brass Part #	Optional Qty
1/8"	624	20
5/32"	625	10
1/4"	628	10
3/8"	6212	10
1/2"	6216	5



Bulkhead Unions

Tube OD	Male NPT	Forged Brass Part #	Optional Qty
1/8"	7/16"-20	824	10
5/32"	7/16"-20	825	10
1/4"	1/2"-20	828	10
3/8"	3/4"-16	8212	5
1/2"	15/16"-16	8216	5



Male Elbows

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	694X4	10
5/32"	1/8"	695X4	10
3/16"	1/8"	696X4	10
1/4"	1/8"	698X4	10
1/4"	1/4"	698X8	10
1/4"	3/8"	698X12	10
3/8"	1/8"	6912X4	10
3/8"	1/4"	6912X8	10
3/8"	3/8"	6912X12	10
1/2"	1/4"	6916X8	5
1/2"	3/8"	6916X12	5



Female Elbows

Tube OD	Female NPTF	Forged Brass Part #	Optional Qty
5/32"	1/8"	705X4	10
1/4"	1/8"	708X4	10
1/4"	1/4"	708X8	5
3/8"	1/4"	7012X8	5



Brass Push-In Fittings

Union Elbows



Tube OD	Forged Brass Part #	Optional Qty
1/8"	654	10
5/32"	655	10
1/4"	658	10
3/8"	6512	10
1/2"	6516	5

Male Swivel Elbows



Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	69S4X4	10
5/32"	10-32 ¹	69S5X10	10
5/32"	1/8"	69S5X4	10
5/32"	1/4"	69S5X8	10
1/4"	10-32 ¹	69S8X10	10
1/4"	1/8"	69S8X4	10
1/4"	1/4"	69S8X8	10
1/4"	3/8"	69S8X12	10
3/8"	1/8"	69S12X4	10
3/8"	1/4"	69S12X8	10
3/8"	3/8"	69S12X12	5
3/8"	1/2"	69S12X16	5
1/2"	3/8"	69S16X12	5
1/2"	1/2"	69S16X16	5

¹ UNF - Straight thread, supplied with gasket

Male Branch Tees



Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	724X4	10
5/32"	1/8"	725X4	10
1/4"	1/8"	728X4	10
1/4"	1/4"	728X8	5
3/8"	1/8"	7212X4	5
3/8"	1/4"	7212X8	5
3/8"	3/8"	7212X12	5
1/2"	3/8"	7216X12	5

Union Tees



Tube OD	Forged Brass Part #	Optional Qty
1/8"	644	10
5/32"	645	10
3/16"	646	10
1/4"	648	10
3/8"	6412	5
1/2"	6416	5

Brass Push-In Fittings

Male Swivel Branch Tees

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	72S4X4	10
5/32"	1/8"	72S5X4	10
1/4"	1/8"	72S8X4	10
1/4"	1/4"	72S8X8	5
3/8"	1/4"	72S12X8	5
3/8"	3/8"	72S12X12	5
1/2"	3/8"	72S16X12	5
1/2"	1/2"	72S16X16	5



Male Run Tees

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	714X4	10
5/32"	1/8"	715X4	10
1/4"	1/8"	718X4	10
1/4"	1/4"	718X8	5
3/8"	1/8"	7112X4	5
3/8"	1/4"	7112X8	5
3/8"	3/8"	7112X12	5
1/2"	3/8"	7116X12	5



Male Swivel Run Tees

Tube OD	Male NPTF	Forged Brass Part #	Optional Qty
1/8"	1/8"	71S4X4	10
5/32"	10-32 ¹	71S5X10	10
5/32"	1/8"	71S5X4	5
1/4"	1/8"	71S8X4	5
1/4"	1/4"	71S8X8	5
3/8"	1/4"	71S12X8	5
3/8"	3/8"	71S12X12	5
1/2"	3/8"	71S16X12	5
1/2"	1/2"	71S16X16	5



¹ UNF - Straight thread, supplied with gasket.

Stainless Steel Legris Push-In Fittings

Applications:

Suitable for many industries such as: chemical, food, packaging and medical.

Features:

- temperature range: **-4°F to 245°F (-20°C to 118°C)**
- maximum operating pressure: **290 PSI**
- vacuum capability: 28" HG
- *Maximum circuit pressure depends equally on the type and diameter of the tube used.*
- materials conforming to FDA and 1934/2004 CE standards



Compatible with a range of tubes:

- semi-rigid nylon tube
- flexible polyurethane tube
- low density polyethylene
- PTFE tube FEP 140
- stainless steel and copper tube (when grooved)

Materials of Construction:

- body - AISI 316 stainless steel
- backup washer - 316L stainless steel
- collet - 303L stainless steel
- seal - FKM O-ring
- Thread sealant does not come pre-applied on male threads, allowing the appropriate sealant for the application to be applied by the user.
- silicone free

Straight Male Connectors



Tube OD	Male NPT	Stainless Steel Part #	Pkg Qty
1/4"	1/8"	38055611	10
1/4"	1/4"	38055614	10
3/8"	1/4"	38056014	10
3/8"	3/8"	38056018	10
1/2"	3/8"	38056218	10
1/2"	1/2"	38056222	10

- internal hex allows ease of assembly in tight places

Unions



Tube OD	Stainless Steel Part #	Pkg Qty
1/4"	38065600	10
3/8"	38066000	10
1/2"	38066200	10

Bulkhead Connectors Unions



Tube OD	Stainless Steel Part #	Pkg Qty
1/4"	38165600	10
3/8"	38166000	10
1/2"	38166200	10

Stainless Steel Legris Push-In Fittings

Male Elbows

Tube OD	Male NPT	Stainless Steel Part #	Pkg Qty
1/4"	1/8"	38895611	10
1/4"	1/4"	38895614	10
3/8"	1/4"	38896014	10
3/8"	3/8"	38896018	10
1/2"	3/8"	38896218	10
1/2"	1/2"	38896222	10



- body is orientable for positioning purposes

Equal Elbow Unions

Tube OD	Stainless Steel Part #	Pkg Qty
1/4"	38025600	10



Union Tees

Tube OD	Stainless Steel Part #	Pkg Qty
1/4"	38045600	10
3/8"	38046000	10
1/2"	38046200	10



Nickel-Plated Brass Legris Push-In Fittings

Applications:

- Push-to-connect forged fittings are nickel plated and have an FKM seal making them suitable to use with liquids and gaseous fluids.
- Fittings are plated with a high phosphorous FDA nickel plate allowing them to be used in applications where exposure to harsh environments is present.
- applications include: food industry, packaging, robotics, pulp and paper and wash down

Features:

- FDA compliant
- temperature range: **-4°F to 302°F (-20°C to 150°C)**
- pressure range: up to **435 PSI**
- vacuum capability: 28" HG *maximum circuit pressure depends on media, temperature and diameter of tube used*
- full flow
- excellent resistance to abrasion and corrosion
- silicone free
- available in fractional and metric sizes



Construction:

- body: high phosphorous FDA nickel plated brass
- back-up washer: high phosphorous FDA nickel plated brass
- collet: high phosphorous FDA nickel plated brass
- O-ring: FKM fluoroelastomer conforming to FDA standards
- base: high phosphorous FDA nickel plated brass
- thread sealant is intentionally left off product so the appropriate sealant for the application can be applied

Male Connectors

Tube OD	Male NPT	Nickel-plated Brass Part #	Optional Qty
5/32"	10-32 ¹	36010420	10
5/32"	1/8"	36750411	10
5/32"	1/4"	36750414	10
1/4"	10-32 ¹	36015620	10
1/4"	1/8"	36755611	10
1/4"	1/4"	36755614	10
1/4"	3/8"	36755618	10
3/8"	1/8"	36756011	10
3/8"	1/4"	36756014	10
3/8"	3/8"	36756018	10
3/8"	1/2"	36756022	10
1/2"	3/8"	36756218	10
1/2"	1/2"	36756222	10

¹ UNF - Straight thread, supplied with gasket and plastic button

Female Connectors

Tube OD	Female NPT	Nickel-plated Brass Part #	Optional Qty
5/32"	1/4"	36150414	10
1/4"	1/8"	36155611	10
1/4"	1/4"	36155614	10
3/8"	1/4"	36156014	10
3/8"	3/8"	36156018	10
1/2"	3/8"	36156218	10
1/2"	1/2"	36156222	10

Equal Unions

Tube OD	Nickel-plated Brass Part #	Optional Qty
5/32"	36060400	10
1/4"	36065600	10
3/8"	36066000	10
1/2"	36066200	10



Nickel-Plated Brass Legris Push-In Fittings

Union Elbows

Tube OD	Nickel-plated Brass Part #	Optional Qty
5/32"	36020400	10
1/4"	36025600	10
3/8"	36026000	10
1/2"	36026200	10



Male Elbows

Tube OD	Male NPT	Nickel-plated Brass Part #	Optional Qty
5/32"	10-32 ¹	36990420	10
5/32"	1/8"	36090411	10
5/32"	1/4"	36090414	10
1/4"	1/8"	36095611	10
1/4"	1/4"	36095614	10
1/4"	3/8"	36095618	10
3/8"	1/4"	36096014	10
3/8"	3/8"	36096018	10
3/8"	1/2"	36096022	10
1/2"	1/2"	36096222	10



- ¹ UNF - Straight thread, supplied with gasket and plastic button
 • body is orientable for positioning purposes

Union Tees

Tube OD	Nickel-plated Brass Part #	Optional Qty
5/32"	36040400	10
1/4"	36045600	10
3/8"	36046000	10
1/2"	36046200	10



Male Run Tees

Tube OD	Male NPT	Nickel-plated Brass Part #	Optional Qty
5/32"	10-32 ¹	36930420	10
5/32"	1/8"	36030411	10
5/32"	1/4"	36030414	10
1/4"	1/8"	36035611	10
1/4"	1/4"	36035614	10
1/4"	3/8"	36035618	10
3/8"	1/4"	36036014	10
3/8"	3/8"	36036018	10



- ¹ UNF - Straight thread, supplied with gasket and plastic button
 • body is orientable for positioning purposes

Nylon/Nickel-Plated Brass Legris Push-In Fittings

Features:

- materials: nickel-plated brass threads; black body is glass-filled nylon; Buna-N D seal; polypropylene release button; silicone free
- positive seal: sealing and holding is accomplished instantaneously
- reusable: connect and disconnect numerous times
- full flow: fitting seals on outside diameter of tubing
- pre-applied thread sealant on all tapered male pipe threads
- compatible tubing: semi-rigid nylon, polyurethane and polyethylene tube
- working pressure: **290 PSI** at ambient temperature.
- Maximum circuit pressure depends equally on the type and diameter of the tube used.*
- temperature range: **-4°F to 175°F (-20°C to 79°C)**
- vacuum capability: vacuum of 28" Hg (99% vacuum)



Gripping Ring Technology



Quick Connect and Disconnect:

- To connect, simply push tubing in.
- To disconnect, press the release ring towards the fitting and pull tubing out.
- No tools required.



Male Connectors

Tube OD	Male NPT	Nylon / Nickel-plated Brass Part #	Optional Qty
1/8"	1/16"	31755308	10
1/8"	1/8"	31755311	10
1/8"	1/4"	31755314	10
5/32"	1/8"	31750411	10
5/32"	1/4"	31750414	10
1/4"	1/8"	31755611	10
1/4"	1/4"	31755614	10
1/4"	3/8"	31755618	10
5/16"	1/8"	31750811	10
5/16"	1/4"	31750814	10
5/16"	3/8"	31750818	10
3/8"	1/8"	31756011	10
3/8"	1/4"	31756014	10
3/8"	3/8"	31756018	10
3/8"	1/2"	31756022	10
1/2"	1/4"	31756214	10
1/2"	3/8"	31756218	10
1/2"	1/2"	31756222	10

Female Connectors

Tube OD	Female NPT	Nylon / Nickel-plated Brass Part #	Optional Qty
1/8"	1/8"	30145311	10
1/8"	1/4"	30145314	10
5/32"	1/8"	30140411	10
5/32"	1/4"	30140414	10
1/4"	1/8"	30145611	10
1/4"	1/4"	30145614	10
5/16"	1/8"	30140811	10
5/16"	1/4"	30140814	10
3/8"	1/8"	30146011	10
3/8"	1/4"	30146014	10
3/8"	3/8"	30146018	10



Hybrid Male Connectors

Tube OD	Male BSPT	Nylon / Nickel-plated Brass Part #	Optional Qty
1/4"	1/8"	31755610	10
1/4"	1/4"	31755613	10
3/8"	1/4"	31756013	10



Nylon/Nickel-Plated Brass Legris Push-In Fittings

Female Elbows

Tube OD	Female NPT	Nylon / Nickel-Plated Brass Part #	Optional Qty
1/8"	1/8"	30095311	10
5/32"	1/4"	30090414	10
1/4"	1/8"	30095611	10
1/4"	1/4"	30095614	10
5/16"	1/8"	30090811	10
5/16"	1/4"	30090814	10
3/8"	1/4"	30096014	10
1/2"	3/8"	30096218	10



Male Elbows

Tube OD	Male NPT	Nylon / Nickel Plated Brass Part #	Optional Qty
1/8"	10-32 ¹	31095320	10
1/8"	1/16"	31095308	10
1/8"	1/8"	31095311	10
1/8"	1/4"	31095314	10
5/32"	10-32 ¹	31090420	10
5/32"	1/8"	31090411	10
5/32"	1/4"	31090414	10
1/4"	10-32 ¹	31095620	10
1/4"	1/8"	31095611	10
1/4"	1/4"	31095614	10
1/4"	3/8"	31095618	10
5/16"	1/8"	31090811	10
5/16"	1/4"	31090814	10
5/16"	3/8"	31090818	10
3/8"	1/8"	31096011	10
3/8"	1/4"	31096014	10
3/8"	3/8"	31096018	10
3/8"	1/2"	31096022	10
1/2"	1/4"	31096214	10
1/2"	3/8"	31096218	10
1/2"	1/2"	31096222	10



- ¹ UNF - Straight thread, supplied with gasket
 • body is orientable for positioning purposes

45° Male Elbows

Tube OD	Male NPT	Nylon / Nickel Plated Brass Part #	Optional Qty
1/4"	1/8"	31135611	10
1/4"	1/4"	31135614	10
3/8"	1/4"	31136014	10
3/8"	3/8"	31136018	10



- body is orientable for positioning purposes

Extended Male Elbows

Tube OD	Male NPT	Nylon / Nickel Plated Brass Part #	Optional Qty
1/4"	1/8"	31295611	10
1/4"	1/4"	31295614	10
3/8"	1/4"	31296014	10
3/8"	3/8"	31296018	10



- body is orientable for positioning purposes



Nylon/Nickel-Plated Brass Legris Push-In Fittings

Male Branch Tees



Tube OD	Male NPT	Nylon / Nickel-Plated Brass Part #	Optional Qty
1/8"	10-32 ¹	31085320	10
1/8"	1/8"	31085311	10
5/32"	10-32 ¹	31080420	10
5/32"	1/8"	31080411	10
5/32"	1/4"	31080414	10
1/4"	1/8"	31085611	10
1/4"	1/4"	31085614	10
1/4"	3/8"	31085618	10
5/16"	1/8"	31080811	10
5/16"	1/4"	31080814	10
5/16"	3/8"	31080818	10
3/8"	1/8"	31086011	10
3/8"	1/4"	31086014	10
3/8"	3/8"	31086018	10
3/8"	1/2"	31086022	10
1/2"	1/4"	31086214	10
1/2"	3/8"	31086218	10
1/2"	1/2"	31086222	10

- ¹ UNF - Straight thread, supplied with gasket
 • body is orientable for positioning purposes

Male Run Tees



Tube OD	Male NPT	Nylon / Nickel-Plated Brass Part #	Optional Qty
1/8"	10-32 ¹	31035320	10
1/8"	1/16"	31035308	10
1/8"	1/8"	31035311	10
5/32"	10-32 ¹	31030420	10
5/32"	1/8"	31030411	10
5/32"	1/4"	31030414	10
1/4"	1/8"	31035611	10
1/4"	1/4"	31035614	10
1/4"	3/8"	31035618	10
5/16"	1/8"	31030811	10
5/16"	1/4"	31030814	10
3/8"	1/8"	31036011	10
3/8"	1/4"	31036014	10
3/8"	3/8"	31036018	10
1/2"	1/4"	31036214	10
1/2"	3/8"	31036218	10
1/2"	1/2"	31036222	10

- ¹ UNF - Straight thread, supplied with gasket
 • body is orientable for positioning purposes

Push-In Male Wyes



Tube OD	Male NPT	Nylon / Nickel Plated Brass Part #	Optional Qty
5/32"	1/8"	31480411	10
5/32"	1/4"	31480414	10
1/4"	1/8"	31485611	10
1/4"	1/4"	31485614	10

- body is orientable for positioning purposes

Nylon Legris Push-In Fittings

Unions

Tube OD	Nylon Part #	Optional Qty
1/8"	31065300	10
5/32"	31060400	10
1/4"	31065600	10
5/16"	31060800	10
3/8"	31066000	10
1/2"	31066200	10



Bulkhead Unions

Tube OD	Nylon Part #	Optional Qty
1/8"	31165300	10
5/32"	31160400	10
1/4"	31165600	10
5/16"	31160800	10
3/8"	31166000	10
1/2"	31166200	10



Union Elbows

Tube OD	Nylon Part #	Optional Qty
1/8"	31025300	10
5/32"	31020400	10
1/4"	31025600	10
5/16"	31020800	10
3/8"	31026000	10
1/2"	31026200	10



Plugs

Tube OD	Plastic Part #	Optional Qty
1/8"	31265300	10
5/32"	31260400	10
1/4"	31265600	10
5/16"	31260800	10
3/8"	31266000	10
1/2"	31266200	10



Union Tees

Tube OD	Nylon Part #	Optional Qty
1/8"	31045300	10
5/32"	31040400	10
1/4"	31045600	10
5/16"	31040800	10
3/8"	31046000	10
1/2"	31046200	10



Tube Wyes

Tube OD	Nylon Part #	Optional Qty
1/8"	31405300	10
5/32"	31400400	10
1/4"	31405600	10
5/16"	31400800	10
3/8"	31406000	10



Nylon / Nickel-Plated Brass Legris Push-In Fitting Kit

Features:

- kit includes plastic case with threaded connectors, threaded elbows and several tube to tube connector configurations found on pages 350 to 353
- a tubing cutter is also included



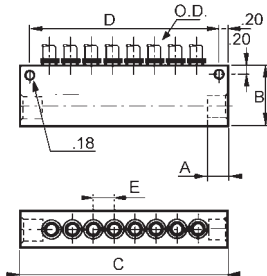
Part #

TFK

Kit contains the following parts:

Part #	Qty	Description
31755311	10	tube to male NPT connector
31750411	10	tube to male NPT connector
31755611	10	tube to male NPT connector
31755614	10	tube to male NPT connector
31756014	5	tube to male NPT connector
31756018	5	tube to male NPT connector
31090411	10	tube to male NPT elbow
31095611	10	tube to male NPT elbow
31095614	10	tube to male NPT elbow
31096011	5	tube to male NPT elbow
31096014	5	tube to male NPT elbow
31096018	5	tube to male NPT elbow
31060400	10	tube to tube union
31065600	10	tube to tube union
31066000	5	tube to tube union
31400400	10	Y connector
31405600	10	Y connector
31406000	5	Y connector
31040400	10	tube to tube union tee
31045600	5	tube to tube union tee
31046000	5	tube to tube union tee
30007100	1	tubing cutter

Legris Modular Manifolds



Feature:

- manifold with push to connect ports

OD	NPT Size	Number of Outlets	Dimensions					Part #
			A	B	C	D	E	
1/4"	1/4"	8	.55	1.30	4.92	4.53	.50	33155614

Legris Composite Mini Ball Valves

Application:

- valves enable in-line opening and closing of a pneumatic circuit

Features:

- 2-way, non-venting valve
- compact and lightweight, suited to all types of installation
- suitable fluid: compressed air
- maximum operating pressure: **145 PSI**
- vacuum rating: vacuum of 28" Hg (99% of vacuum)
- temperature range: **-4°F to 175°F (-20°C to 79°C)**
- nylon body with nickel-plated brass ball
- a screwdriver slot allows opening and closing even when access is difficult
- handle is differentiated by a blue color and marked with the corresponding pneumatic symbol enabling immediate identification by the user



Size	Part #
5/32"	79100400
1/4"	79105600
5/16"	79100800
3/8"	79106000

Legris Quick Exhaust Valves

Application:

- can be used with all pneumatic equipment

Features:

- increases system efficiency and the speed of a cylinder by purging cylinder air at the cylinder port rather than the control valve
- pressure range: **10 PSI to 150 PSI**
- temperature range: **0°F to 160°F (-17°C to 71°C)**
- body: nickel-plated brass
- piston: polyurethane
- seals: nylon



NPT Thread	Part #
1/8"	79821111
1/4"	79821414
3/8"	79821818
1/2"	79822222

Legris Compact Flow Control Valves

Features:

- Valves control the speed of a cylinder by regulating air exhaust. Intake air flows freely through the flow control and exhaust air is metered out through a specially designed fine adjustment screw.
- push-to connect, meter out flow control, one-piece design
- body: nylon
- control pressure range: **15 PSI to 145 PSI**
- temperature range: **32°F to 158°F (0°C to 70°C)**



Tube OD	NPT Size	Part #	Pkg Qty
5/32"	1/8"	70650411	10
1/4"	1/8"	70655611	10
1/4"	1/4"	70655614	10
3/8"	1/4"	70656014	10
3/8"	3/8"	70656018	10

Legris Flow Control Valves

Miniature Exhaust

Features:

- Valves control the speed of a cylinder by regulating air exhaust. Intake air flows freely through the flow control and exhaust air is metered out through a specially designed fine adjustment screw.
- push-to connect, meter out flow control, one-piece design.
- body: nylon
- control pressure range: **15 PSI to 145 PSI**
- temperature range: **30°F to 158°F (-1°C to 70°C)**



Tube OD	NPT Size	Part #	Pkg Qty
5/32"	10-32 ¹	76600420	10
5/32"	1/8"	76650411	10
1/4"	10-32 ¹	76605620	10
1/4"	1/8"	76655611	10
1/4"	1/4"	76655614	10

¹ UNF - Straight thread, supplied with gasket

In-Line

Application:

- used where cylinder access is difficult or another fitting is attached to the cylinder port

Features:

- working fluid: compressed air
- pressure range: **15 PSI to 145 PSI**
- temperature range: **32°F to 158°F (0°C to 70°C)**
- stackable using the 2 joining clips supplied or panel mountable using existing holes
- body: nylon
- gripping ring: stainless steel
- adjustment screw: nickel-plated brass
- locking nut: nickel-plated brass



Tube OD	Part #	Pkg Qty
5/32"	77700400	10
1/4"	77705600	10
3/8"	77706000	10
1/2"	77706200	10

Threaded In-Line

Features:

- intake air flows freely through the flow control; exhaust air is metered out through an adjustment screw
- arrow on the body of the valve indicates the direction of controlled flow
- may be installed as meter in or meter out devices
- unidirectional flow control valves
- working fluid: compressed air
- pressure range: **15 PSI to 145 PSI**
- temperature range: **32°F to 158°F (0°C to 70°C)**
- body: nylon with nickel plated brass thread
- adjustment screw: nickel-plated brass
- locking nut: nickel-plated brass
- threads: nickel-plated brass



Female NPT	Part #
1/8"	77751111
1/4"	77751414
3/8"	77751818
1/2"	77752222

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Legris Check Valves

Non-Return In-Line

Features:

- allows air to pass in one direction while blocking flow in the other direction, a pressure of more than 7 PSI will overcome the spring pressure and allow flow
- arrow indicates free flow direction
- body: nylon/nickel plated brass
- maximum operating pressure: **145 PSI** at ambient temperature **70°F (21°C)**

Tube OD	Part #	Pkg Qty
5/32"	79960400	10
6mm	79960600	10
1/4"	79965600	10
5/16"	79960800	10



In-Line

Application:

- suitable as a safety item in compressed air circuits

Features:

- compact, lightweight design meter out check valves
- allows air to pass in one direction while blocking flow in the other direction
- arrow on body of the fitting indicates direction of flow, a pressure of more than 7 PSI will overcome spring pressure keeping the valve closed, thus allowing the passage of air
- pressure range: **15 PSI** to **145 PSI** at ambient temperature **70°F (21°C)**
- body: nylon with nickel plated brass base
- pre-applied thread sealant on tapered threads

Tube OD	NPT Size	Part #
5/32"	10-32 ¹	79940420
5/32"	1/8"	79950411
1/4"	1/8"	79955611
1/4"	1/4"	79955614
3/8"	1/4"	79956014
3/8"	3/8"	79956018

¹ UNF - Straight thread, supplied with gasket



Uni-Directional

Features:

- blocks the fluid passage when the pressure differential is lower than 3.6 PSI
- pressure range: **7 PSI** to **580 PSI**
- temperature range: **-4°F** to **356°F (-20° to 180°C)**
- body: 316L stainless steel
- shut-off valve: 316L stainless steel
- return spring: 302 stainless steel
- seals: FKM

NPT Thread	Part #
1/8"	48951111
1/4"	48951414
3/8"	48951818
1/2"	48952222



Legris Metric Push-In Fittings

- Pneumatic Fittings** **Features:**
- materials: nickel-plated brass, black glass-filled nylon body, Buna-N D-seal, polypropylene release button, silicone free and nylon nickel plated brass or nylon
 - positive seal: sealing and holding is accomplished instantaneously
 - reusable: connect and disconnect numerous times
 - full flow: fitting seals on outside diameter of tubing
 - pressure rating: **290 PSI** at ambient temperature
 - temperature range: **-4°F to 175°F (-20°C to 79°C)**
 - pre-applied thread sealant on all tapered male pipe threads
 - compatible tubing: semi-rigid nylon, polyurethane and polyethylene tube
 - vacuum rating: vacuum of 28" Hg (99% vacuum)

Gripping Ring Technology

**Quick Connect and Disconnect:**

- to connect: simply push tubing in
- to disconnect: press the release ring towards the fitting and pull tubing out
- no tools required

Male BSPT Connectors

Tube OD	Male BSPT	Nickel Plated Brass Part #	Pkg Qty
4 mm	1/8"	31750410	10
4 mm	1/4"	31750413	10
6 mm	1/8"	31750610	10
6 mm	1/4"	31750613	10
8 mm	1/8"	31750810	10
8 mm	1/4"	31750813	10
8 mm	3/8"	31750817	10
10 mm	1/4"	31751013	10
10 mm	3/8"	31751017	10

- internal hex allows ease of assembly in tight places

Female BSPP Connectors

Tube OD	Female BSPP	Nickel Plated Brass Part #	Pkg Qty
4 mm	1/8"	31140410	10
4 mm	1/4"	31140413	10
6 mm	1/8"	31140610	10
6 mm	1/4"	31140613	10
8 mm	1/8"	31140810	10
8 mm	1/4"	31140813	10

Male BSPT Elbows

Tube OD	Male BSPT	Nylon / Nickel Plated Brass Part #	Pkg Qty
4 mm	1/8"	31090410	10
4 mm	1/4"	31090413	10
6 mm	1/8"	31090610	10
6 mm	1/4"	31090613	10
8 mm	1/8"	31090810	10
8 mm	1/4"	31090813	10
8 mm	3/8"	31090817	10
10 mm	1/4"	31091013	10
10 mm	3/8"	31091017	10

- body is orientable for positioning purposes



Legris Metric Push-In Fittings

Male Branch Tees

Tube OD	Male BSPT	Nylon / Nickel Plated Brass Part #	Pkg Qty
4 mm	1/8"	31080410	10
4 mm	1/4"	31080413	10
6 mm	1/8"	31080610	10
6 mm	1/4"	31080613	10
8 mm	1/8"	31080810	10
8 mm	1/4"	31080813	10



- body is orientable for positioning purposes

Nylon Tubing

Features:

- translucent color
- resistant to fungus, abrasion, moisture and UV
- temperature range: -60°F to 200°F (-51°C to 93°C)

Size OD	ID	Wall Thickness	Working Pressure @ 75°F (24°C)	Length	Part #
4 mm	2.7 mm	.65 mm	350	25 m	1025P0400
6 mm	4 mm	1 mm	340	25 m	1025P0600
8 mm	6 mm	1 mm	250	25 m	1025P0800



Tubing cutters sold on page 892

Male Threaded Connectors

Feature:

- internal hex allows ease of assembly in tight places

Tube OD	Male Thread	Nickel Plated Brass Part #	Pkg Qty
4 mm	M5	31010419	10
4 mm	1/8 BSPP	31010410	10
6 mm	M5	31010619	10
6 mm	1/8 BSPP	31010610	10
6 mm	1/4 BSPP	31010613	10
8 mm	1/8 BSPP	31010810	10
8 mm	1/4 BSPP	31010813	10
10 mm	1/4 BSPP	31011013	10



Bulkhead Union

Tube OD	Tube OD	Nylon Part #	Pkg Qty
6 mm	6 mm	31160600	10



Unions

Tube OD	Tube OD	Nylon Part #	Pkg Qty
4 mm	6 mm	31060406	10
6 mm	6 mm	31060600	10
10 mm	10 mm	31061000	10



Legris Metric Push-In Fittings

Male Elbows



Tube OD	Male Thread	Nylon / Nickel Plated Brass Part #	Pkg Qty
4 mm	M5	31990419	10
4 mm	1/8 BSPP	31990410	10
6 mm	M5	31990619	10
6 mm	1/8 BSPP	31990610	10
6 mm	1/4 BSPP	31990613	10
8 mm	1/8 BSPP	31990810	10
8 mm	1/4 BSPP	31990813	10
10 mm	1/4 BSPP	31991013	10

- body is orientable for positioning purposes

Union Elbows



Tube OD	Tube OD	Nylon Part #	Pkg Qty
6 mm	6 mm	31020600	10
10 mm	10 mm	31021000	10

Union Tees



Tube OD	Nylon Part #	Pkg Qty
6 mm	31040600	10
10 mm	31041000	10

Y Connector



Tube OD	Tube OD	Nylon Part #	Pkg Qty
6 mm	6 mm	31400600	10

Plugs



Tube OD	Tube OD	Plastic Part #	Pkg Qty
6 mm	6 mm	31260600	10
10 mm	10 mm	31261000	10

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⚠ WARNING

The constant vibration created by air tools, like air drills and pavement breakers, is destructive to air hose couplings, especially the quick-acting type. To provide protection against coupling breakage and related hazards, Dixon® recommends the use of a whip hose. To construct a whip hose, connect one end of a short (3' to 10') air hose to the air tool using a 3500 type steel nipple. Connect the other end of the hose to the air supply using the standard quick-acting coupling. The heat-treated 3500 nipple will withstand vibration far better than the standard coupling and provide a safer connection. The whip hose should remain permanently connected to the tool.



King Cable™

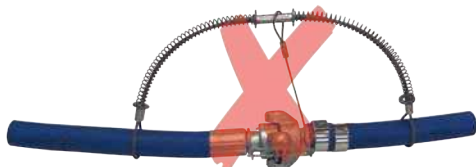
Features:

- must be installed in the extended position (no slack)
- cable reaches across hose fittings to provide standby safety for hose
- spring-loaded loops in the cable ends open easily to pass over the couplings for a firm grip on the hose
- no tools needed - easy to install and remove
- cables shipped with safety restraint labels attached
- highly resistant to rust and corrosion
- hose-to-hose or hose-to-rigid outlet
- maximum operating pressure: **200 PSI**
- minimizes damage to equipment and injuries to operators in the event hose, couplings or clamps fail, or there is an accidental separation of the assembly



Materials:

- For WB1, WB3, WA2, WA4, WSR1, WSR3, WSR2, WSR4, WSR1C, WB1C, WSR1E:
wire rope: galvanized carbon steel
ferrules: aluminum
springs: galvanized carbon steel
- For WB1SS, WA2SS, WSR1SS, WSR2SS:
wire rope: 304 stainless steel
ferrules: copper
springs: 304 stainless steel
- For WA2B:
wire rope: galvanized carbon steel
ferrules: copper
springs: galvanized carbon steel



incorrect installation



correct installation

Hose-to-Tool Service



hose end

tool end

Hose ID	Cable	Length	Maximum Working Pressure (PSI)	Steel Part #	Stainless Steel Part #
1/2" - 1 1/4"	1/8"	20 3/4"	200	WSR1	WSR1SS
1/2" - 2"	3/16"	28"	200	WSR3	---
1 1/2" - 3"	1/4"	38"	200	WSR2	WSR2SS
4"	3/8"	44"	200	WSR4	---

Hose-to-Hose Service



hose end

hose end

Hose ID	Cable	Length	Maximum Working Pressure (PSI)	Steel Part #	Stainless Steel Part #
1/2" - 1 1/4"	1/8"	20 3/4"	200	WB1	WB1SS
1/2" - 2"	3/16"	28"	200	WB3	---
1 1/2" - 3"	1/4"	38"	200	WA2	WA2SS
4"	3/8"	44"	200	WA4	---

King Cable™ Options



WB1C - WB1 with safety clip and lanyard



WSR1E - WSR1E with stainless steel marine eye

Hose ID	Cable	Part #	Description	Max. Work. Press. PSI
1/2" - 1 1/4"	1/8"	WSR1C	WSR1 with safety clip and lanyard used to lock Air King™ couplings	200
1/2" - 1 1/4"	1/8"	WB1C	WB1 with safety clip and lanyard used to lock Air King™ couplings	200
1/2" - 1 1/4"	1/8"	WSR1E	WSR1 with stainless steel safety marine eye used to connect safety cable to a bolt on tool	200
1 1/2" - 3"	1/4"	WA2B	WA2 with bronze/copper ferrule for special environmental conditions	200



Nylon King Cable™

Applications:

- pneumatic, hydraulic and water hoses

Features:

- strong, flexible nylon webbing
- superior corrosion and spark resistance over metal restraints
- rubber grommets securely choke eyes around hose
- must be installed in the extended position (no slack)
- shipped with labels detailing working pressures and safety instructions
- maximum working temperature: **200°F (93°C)**
- minimizes damage to equipment and injuries to operators in the event hose, couplings or clamps fail, or there is an accidental separation of the assembly
- contact Dixon at 888.226.4673 for additional options

Materials:

- strap: nylon
- grommets: rubber

Length	Recommended for use on the following hose inside diameters:								Nylon Part #
	¼"	½"	¾"	1"	2"	3"	4"	6"	
	Hose maximum working pressure (PSI) for above hose ID's								
30"	26,000	6,500	2,900	1,650	400	---	---	-	WBN130
40"	---	---	---	1,650	400	175	100	-	WBN140
30"	52,000	13,000	5,800	3,300	750	---	---	-	WBN230
64"	---	---	---	---	750	350	200	90	WBN264
44"	---	---	---	7,300	1,800	820	450	-	WBN344
64"	---	---	---	---	2,300	1,040	580	260	WBN464

Pneumatic
Accessories

King™ Safety Whipsocks

Application:

- ideally suited for applications where the media being transferred is under higher working pressures such as air, water, hydraulic and slurry

Features:

- King™ Safety Whipsocks keep the hose under control in the event of a high-pressure hose assembly failure.
- dual anchor points secured beyond the fittings eliminate hose whip
- be sure the anchoring points are rated for the application
- galvanized steel woven stockings extend down the hose to grip securely over a larger area preventing whip, abrasion and wear
- securing both eye-to-rigid or eye-to-eye anchor points reduce whip in the event of a hose connection failure
- contact Dixon® with questions regarding working pressure, available options or custom configurations



Materials:

- wire rope: galvanized carbon steel
- ferrules: aluminum

Size	OD Range	Length	Max. Working Pressure PSI	Part #
3/8"	.315" - .5512"	15.75"	5000	KSW06
1/2"	.5512" - .7874"	21.65"	3000	KSW08
3/4"	.7874" - 1.181"	25.20"	2000	KSW12
1"	1.181" - 1.575"	34.25"	1500	KSW16
1 1/4"	1.575" - 1.969"	38.19"	1000	KSW20
1 1/2"	1.969" - 2.362"	49.21"	700	KSW24
2"	2.362" - 2.756"	51.18"	1300	KSW32
2 1/2"	2.756" - 3.346"	53.15"	800	KSW40
3"	3.346" - 3.937"	72.44"	750	KSW48
3 1/2"	3.937" - 4.724"	72.05"	550	KSW56
4"	4.724" - 5.512"	86.61"	550	KSW64
6"	5.512" - 7.087"	93.31"	250	KSW96



KSW32



KSW40

King™ Safety Shackles

Applications:

- 2 shackles are used to anchor the King™ Safety Whipsock
- securing both eyes to a rigid anchor point to reduce whip in the event of a hose or connection failure

Features:

- recommended bolt, nut, and cotter pin style shackle
- caution working load must be rated for the application



Size	Working Load	Fits KSW Eye	Micro Alloy Steel Part #
5/16"	3/4 ton (1000 lbs)	KSW06-KSW12	KSS04
7/16"	1 1/2 ton (3000 lbs)	KSW16-KSW40	KSS06
5/8"	3 1/4 ton (6000 lbs)	KSW48-KSW96	KSS08

ASME Air Receiver Manifold
with King™ Safety Whipsock for Supply Hose

Features:

- built to ASME Code, National Board registered
- conforms to OSHA standards 1910.169 and 1926.306
- 7 gallon capacity
- painted supply orange
- all openings are female NPT thread
- working pressure: **200 PSI**
- includes **KSW32** 2" King™ Safety Whipsock for Air Supply Hose
- shackles included to attach King™ Safety Whipsock to frame



Qty	Part #
1	1217AR-4AK-KSW

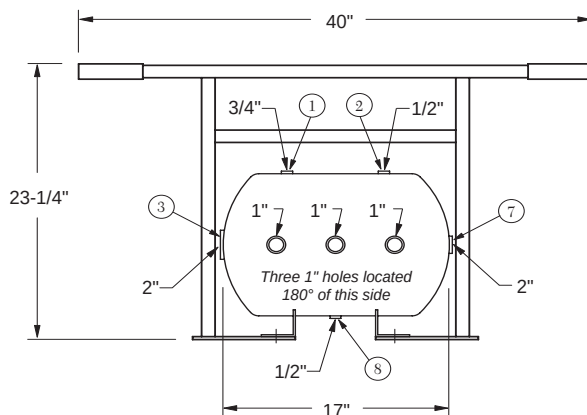
ASME Air Receiver Manifold

Features:

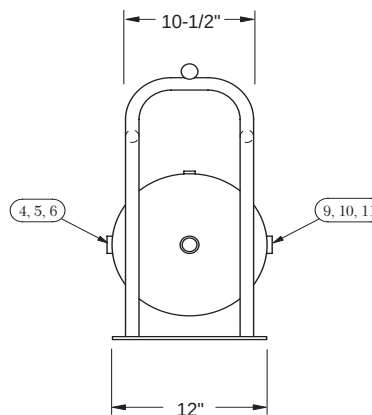
- built to ASME Code, National Board registered
- conforms to OSHA standards 1910.169 and 1926.306
- 7 gallon capacity
- painted safety orange
- all openings are female NPT thread
- working pressure: **200 PSI**



1217AR-4AK



1217AR-4FR



Dixon® 1217AR-4AK air receiver manifold assembly with Air King™ outlet ports includes the following components:

Part # / Locations	Qty	Description
1217AR-4	1	ASME compressed air receiver
1217FRAME	1	protective frame
Location 1	1	3731204C 3/4" male x 1/4" female hex bushing
Location 2	1	GL345 0-300 PSI gauge
Location 3	1	3730804C 1/2" male x 1/4" female hex bushing
Locations 4, 5, 6, 9, 10, 11	1	SV200 safety pop-off valve
	1	GM28 2" male spud
	1	B27SC wing nut cap
	6	HB1075G 1" male x 3/4" female bushings
	6	3701212C 3/4" brass hex nipples
	6	BBLV75 ball valves
	6	SCVS6 safety shut-off valves
	6	AM7 Air King™ universal couplings
Location 7	4	SE45100 45° street elbow (1 each in locations 4, 6, 9 and 11 only)
	1	HB2075 2" male x 3/4" female bushing
	1	3701212C 3/4" brass hex nipples
	1	BBLV75 ball valve
	1	SCVS6 safety shut-off valve
Location 8	1	AM7 Air King™ universal coupling
	1	3730804C 1/2" male x 1/4" female hex bushing
	1	D04 1/4" drain cock
	---	Labor cost for assembly of complete unit
1217AR-4AK	1	7 gallon ASME compressed air receiver manifold complete assembly with Air King™
		Tank and Frame only
1217AR-4FR	1	7 gallon ASME compressed air receiver with frame only

ASME Air Receiver Manifold Assembly with Air King™ Fittings & Watts Filter

Pneumatic
Accessories**Application:**

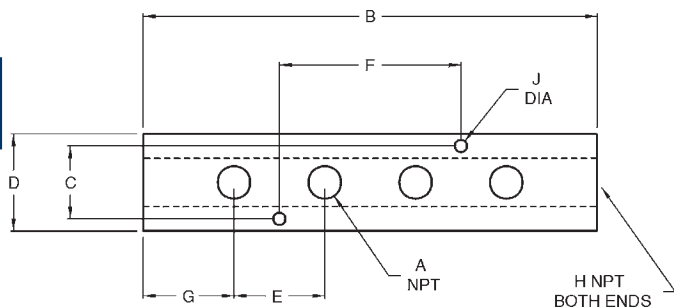
- Designed to remove compressed air contaminants such as water, compressor oil, dirt, pipe scale and water particles from the air supply at the point of entry into the ASME air receiver manifold.

Features:

- includes basic 1217AR-4AK ASME manifold assembly
- F602-16WJR 2" auto drain filter with 26 ounce metal bowl and related plumbing installed on the inlet port of the ASME air receiver manifold
- air supply hose connects directly to GM28 2" male spud on the filter air inlet
- includes a B27SC wing nut cap with a chain

Hose Size	Thread	Part #
2"	¾"	1217AR-4AKWF

Bar Manifolds

**Features:**

- can be mounted on a wall or work bench, safely distributing four hose lines to a work area
- maximum operating pressure: **300 PSI** at ambient temperature **70°F (21°C)**
- brass hex head plugs sold on page 367

Aluminum Part #	A	B	C	D	E	F	G	H	J
AMF32	¼"	7⅝"	7⅝"	1¼"	1⅞"	3¾"	1"	⅝"	.20"
AMF42	¼"	7⅝"	1⅞"	1½"	1⅞"	3¾"	1"	½"	.20"
AMF43	⅜"	8"	1⅞"	1½"	2"	4"	1"	½"	.20"

3 in 1 Manifolds

Features:

- supplies 3 air operated tools from a single hose permitting use of air by more than one mechanic
- can be mounted to a pipe at workbench or overhead
- different tools in the shop use different styles of couplers, mount 3 different style couplers on one manifold



NPT Inlet (1)	NPT Outlets (3)	Aluminum Part #
¼"	¼"	D3404
⅜"	¼"	D3406
½"	¼"	D3408

Flat Hex Manifolds

Feature:

- designed to lay flat on the floor, safely distributing three hose lines to the work area

NPT Inlet (1)	NPT Outlets (3)	Brass Part #
1/4"	1/4"	3122
3/8"	1/4"	3132
3/8"	3/8"	3133

Pneumatic
Accessories

Compressor Y

Feature:

- converts a single supply source to a dual outlet

Female NPT Inlet (1)	Male NPT Outlets (2)	Iron Part #
1"	3/4"	Y10075



Anti-Freeze Lubricants

Application:

- winter grade air tool lubricant prevents air line, air tool and in-line lubricator freeze-up

Features:

- can be poured directly into tool or used with air line lubricators
- minimum temperature **-45°F (-43°C)**

Size	Part #	Optional Qty
1 pint	DATL016W	12
1 gallon	DATL128W	4



pint



gallon

G

Air Tool Lubricants

Application:

- high grade lubricant prolongs the service life of air tools, cylinders and accessories

Features:

- #10 weight lubricant
- compound is superior in performance to ordinary lubricants
- prohibits rust and removes moisture as it lubricates
- non-corrosive, non-reactive and does not decompose
- easy pour spout helps prevent costly spills
- use with the in-line lubricators on page 368

Size	Part #	Optional Qty
1 pint	DATL016	12
1 gallon	DATL128	4



pint



gallon



In-Line Lubricators

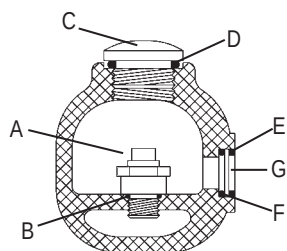
Features:

- protects portable or stationary air tools by efficiently oiling the tool mechanisms; each time an air tool is operated a fine mist of oil is injected into it along with the air from the compressor
- installation is recommended within 25' of the tool to be lubricated, refer to the arrow for proper air flow direction
- transparent sight disc allows visual inspection of oil level
- oil flow regulated by screwdriver screw adjustment, minimum flow rate is 30 SCFM
- not recommended for constant flow applications
- for reciprocating tools only
- type of oil to use: any petroleum-based, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil, do not use any synthetic oil or oils containing additives or solvents
- see page 367 for air tool lubricant



NPT Size	Oil Capacity	Maximum Working Pressure at ambient temperature (70°F)	Air Flow at 70 PSI	Aluminum Part #
1/2"	1.4 fluid ozs.	500 PSI	30 SCFM	PL300
3/4"	3.7 fluid ozs.	200 PSI	70 SCFM	PL400
3/4"	11.0 fluid ozs.	300 PSI	70 SCFM	PL400L
1"	16.0 fluid ozs.	250 PSI	100 SCFM	PL500

Replacement Parts



Description	Part #
(A) oil adjustment valve assembly	851661
(B) valve gasket	452531
(C) fill plug	452525
(D) fill plug O-ring	700013-214
(E) sight disk	452532
(F) sight disk seal	700013-016
(G) sight disk lock nut	452533

In-Line Air Filter

Features:

- protects small air tools, such as impact wrenches, nut runners, grinders and screwdrivers
- all-anodized, compact housing
- install directly before the air tool
- maximum operating pressure: **500 PSI**
- temperature range: **35°F to 200°F (2°C to 93°C)**
- air flow: 140 SCFM
- male x female configuration
- standard 40 micron element ensures minimum pressure drop
- elements can be replaced quickly



Male NPT	Overall Length	Diameter	Aluminum Part #
3/4"	3-13/16"	1 1/2"	9076M

Disposable In-Line Nipple Filters

Features:

- for filtration of water, oil and air
- compact and lightweight
- can be installed at point of use
- shape element is conical rather than disc, providing a larger filtering flow and a true, uninterrupted axial flow
- maximum operating pressure: **300 PSI**
- temperature range: **35°F to 300°F (2°C to 148°C)**
- standard 40 micron element ensures minimum pressure drop

Male NPT	Overall Length	Hex	Air Flow	Brass Part #
1/4"	1 1/2"	9/16"	20 SCFM	ASP3102-40
1/2"	2"	7/8"	50 SCFM	ASP3104-40



Pneumatic
Accessories

In-Line Lubricator with Filter

Feature:

- consists of **9076M** particle filter with 40 micron sintered bronze element and **PL400** (3.7 ounce) or **PL400L** (11.0 ounce) lubricator

NPT Size	Oil Capacity	Max. Working Pressure at ambient temperature 70°F (21°C)	Aluminum Part #
3/4"	3.7 fluid ozs.	200 PSI	PL400WF
3/4"	11.0 fluid ozs.	300 PSI	PL400LWF



Mini In-Line Lubricators

Features:

- can be refilled under line pressure
- oil capacity: 1/4 fluid ounce
- flow rating: 22 SCFM at 100 PSIG
- maximum operating pressure: **200 PSIG**
- maximum temperature: **150°F (66°C)**

Female NPT Inlet	Outlet	Aluminum Part #
1/4"	1/4" female NPT	ML200
1/4"	1/4" male NPT	ML200M
3/8"	3/8" male NPT	ML300M





Mini In-Line Filter

Features:

- either port may be used as an inlet port
- filter element rated at 5 microns
- flow rating: 17 SCFM inlet pressure at 100 PSIG
- maximum operating pressure: **200 PSIG**
- maximum temperature: **175°F (79°C)**

Female NPT	Male NPT	Aluminum Part #
1/4"	1/4"	MF200

Replacement Element



Description	Part #
with O-ring	FRP-95-199

Series 1 Non-Repairable General Purpose Regulators


Features:

- relieving piston allows reduction of downstream pressure when system is dead-ended
- reliable pressure regulation at air flows up to 13 SCFM
- left to right flow
- 5 to 125 PSIG outlet pressure adjustment range
- compact design and light weight construction
- wrench flats for easy installation
- supplied with a GC620 gauge

Female NPT	With Gauge Part #	Without Gauge Part #
1/4"	R46-200RG	R46-200R

Safety Blow Guns

Safety blow guns have a safety tip which prevents buildup of tip pressure in the event the outlet is obstructed or "dead ended". They comply with the requirements for OSHA 1910.242 (B) and 1910.95 when used on air lines of 150 PSI or less.



Features:

- design comfortably fits contour of the hand minimizing user fatigue
- ergonomic large lever with black vinyl grip allows for easy air flow activation
- 1/4" female NPT inlet

Air Chief

The air chief safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of 30 PSI outlet pressure when dead ended based on a maximum of 150 PSI inlet pressure as well as OSHA Standard 1910.95 regulating occupational noise level exposure. *Safety glasses or shield must be worn when using any blow gun.*



Features:

- recessed internal slotted screw allows easy access to valve assembly for repairs or replacement
- chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and nickel plated brass tip combine for superior corrosion resistance



Part #

D204-30

Premium

The premium safety blow gun is designed to conform to OSHA Standard 1910.242 (B) permitting a maximum of 30 PSI outlet pressure when dead ended based on a maximum of 150 PSI inlet pressure as well as OSHA Standard 1910.95 regulating occupational noise level exposure. *Safety glasses or shield must be worn when using any blow gun.*



Feature:

- zinc die cast body with a black powder coat finish, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and nickel plated brass tip



Part #

D204-30P

Air Booster

The multiple holes in the safety booster tip of the safety air booster gun create a Venturi effect that increases air flow (working capacity) while still remaining compliant with OSHA Standard 1910.242 (B). *Safety glasses or shield must be worn when using any blow gun.*



Feature:

- chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and nickel plated brass tip provide superior corrosion resistance



Part #

D204-30SB



Pistol Grip

Features:

- conforms to US Department of Labor, OSHA Standard 1910.242 (B) allowing a maximum of 30 PSI outlet pressure at the nozzle when dead-ended
- conforms to US Department of Labor, OSHA Standard 1910.95 regulating noise level exposure
- contoured pistol-grip for safe, comfortable handling, even with greasy hands
- convenient hang-up hook
- ¼" female NPT inlet
- *Safety glasses or shield must be worn when using any blow gun.*



 Part #

PG700

Extended Nozzle Pistol Grip

Features:

- conforms to US Dept. of Labor, OSHA Standard 1910.242 (B) allowing a maximum of 30 PSI outlet pressure at the nozzle when dead-ended
- conforms to US Dept. of Labor, OSHA Standard 1910.95 regulating noise level exposure
- slender 4" extended nozzle allows access to hard to reach places and holes as small as .200"
- variable output trigger enables user to control air flow
- hook design near trigger provides finger protection as well as easy storage
- lightweight to help minimize user fatigue.
- side holes allow air to escape if nozzle tip is dead-ended, thus preventing back pressure buildup
- pressure rating: **150 PSI**
- ¼" female NPT inlet
- *Safety glasses or shield must be worn when using any blow gun.*



 Part #

ENBG1


Safety Tip

Features:

- ½" male NPT connection
- can be used with all Dixon® Air Chief lever operated blow guns as well as most blow guns from other manufacturers



 Nickel Plated Brass

 Part #

SST10

Rubber Non-Safety Tip

Features:

- ½" male NPT connection
- can be used with all Dixon® Air Chief lever operated blow guns as well as most blow guns from other manufacturers



 Rubber Coated Nickel Plated Brass

 Part #

D201RT

Non-Safety Blow Gun

Non-Safety blow guns **do not** have a safety by-pass to prevent buildup of tip pressure in the event of tip blockage. They may be used for cleaning purposes only if the air supply (inlet pressure) has been reduced to 30 PSI or less.



Features:

- designed to comfortably fit the contour of the hand, minimizing user fatigue
- ergonomic large lever with vinyl grip allows for easy air flow activation
- 1/4" female NPT inlet

Brass Tip

The ventless, nickel-plated tip provides the most economical means of achieving a concentrated stream of air for many blow-off applications. All other components and design features are the same as our Air Chief safety blow gun (D204-30). *Must be used on air lines having a maximum regulated pressure of 30 PSI in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.*



Feature:

- chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and ventless, nickel plated brass tip provide superior corrosion resistance



Part #

D605

Rubber Tip

The rubber tip will not scratch or mar delicate surfaces. The conical, rubber tip can also be used to create a seal between the blow gun and fluid lines (or any other opening). Base of the tip is nickel-plated brass for additional corrosion resistance. *Must be used on air lines having a maximum regulated pressure of 30 PSI in order to comply with OSHA Standard 1910.242 (B). Safety glasses or shield must be worn when using any blow gun.*



Feature:

- chrome plated zinc die cast body, nickel plated steel lever, vinyl thumb grip, stainless steel spring, brass valve, Buna-N seals and rubber tip with a nickel plated brass base provide superior corrosion resistance



Part #

D201

Extensions

Features:

- supplied with 1/8" male NPT connections
- allow easier access to blow-off applications in high or hard to reach places
- can be used with all Dixon® Air Chief lever operated blow guns as well as most blow guns from other manufacturers
- brass base with a rugged steel extension tube, all nickel plated

Size Extension	Part #
6"	BGE6
10"	BGE10
12"	BGE12
18"	BGE18
24"	BGE24



Heavy Duty - **High Volume** Safety Blow Guns**Features:**

- heavy duty - high volume safety blow guns
- requires high volume coupler and plug for optimum performance
- lightweight and ergonomic
- pistol grip / hanging hook handle
- made from high quality aluminum casting
- maximum operating pressure: **150 PSI**
- 1/4" female NPT inlet
- *Safety glasses or shield must be worn when using any blow gun.*

Heavy Duty - **High Volume with** Safety Tip**Features:**

- reduced to 30 PSI when tip is blocked
- The safety air booster blow gun has a safety tip which prevents buildup of tip pressure in the event the outlet obstructed or "dead ended". It complies with the requirements for OSHA 1910.242 (B) and 1910.95 when used on air lines of 150 PSI or less.



HTBG6

Description	Part #
gun with <i>no</i> extension	HTBG
gun with 6" extension	HTBG6
gun with 12" extension	HTBG12
gun with 24" extension	HTBG24
gun with 36" extension	HTBG36

Heavy Duty - **High Volume with Quiet Conical Tip****Feature:**

- 6.0 CFM



Description	Part #
gun with tip only	HTBG-CT

Accessories



HTBGC

Female NPT Inlet (1)	Aluminum Part #	Brass Part #
6" extension with safety tip	HTBG6EXT	---
12" extension with safety tip	HTBG12EXT	---
24" extension with safety tip	HTBG24EXT	---
36" extension with safety tip	HTBG36EXT	---
safety tip	HTBGS	---
conical tip	HTBGC	---
tip adapter	HTBGA	---
high flow female coupler	---	2CJF2-B
high flow male plug	---	CJ2M2-B

High Volume Typhoon Blow Guns

Features:

- chrome plated aluminum body
- variable flow control
- ¼" female NPT inlet
- 34 CFM at 125 PSI
- Compliant with OSHA Standard 1910.242 (B). *Safety glasses or shield must be worn when using any blow gun.*



Description	Part #
gun with no extension	TYP2501
gun with 6" extension	TYP2501-6
gun with 12" extension	TYP2501-12
gun with 24" extension	TYP2501-24
gun with 36" extension	TYP2501-36



Pneumatic
Accessories

High Volume Cannon® Blow Gun

Application:

- designed for, but not limited to, outdoor use, ideal where a large air supply is available to move heavy, stubborn debris

Features:

- ¾" female NPT inlet
- minimum inlet pressure 90 PSI on ½" hose
- consumes 135 CFM at 100 PSI
- 48" long extension
- compliant with OSHA Standard 1910.242 (B)
- *Safety glasses or shield must be worn when using any blow gun.*



Part #
9000-48S



Heavy Duty Tire Pressure Gauge

Features:

- 12" hose with swivel dual foot chuck inflator
- tapered chuck nut fits wheel cover holes on cars and light trucks
- calibrated in 2 PSI increments from **10 to 120 PSI**

Part #

D101

Passenger Car Tire Pressure Gauge

Features:

- 12" hose with straight-on chuck
- straight chuck nut fits wheel cover holes on cars and light trucks
- ideal for use on wells and reels
- calibrated in 2 PSI increments from **10 to 90 PSI**



Part #

D150

Professional Tire Pressure Gauge

Features:

- permanently lubricated
- easy to read, dual calibrated (PSI and kPa), four-sided nylon indicator bar
- body is made of chrome-plated brass, head is chrome-plated zinc
- pocket clip
- calibrated in 1 PSI increments from **5 to 45 PSI**



Part #

DFG5

Dual Foot Tire Pressure Gauges

Features:

- handy pocket clip
- calibrated in 2 PSI increments from **20 to 120 PSI**



Part #

DFG1
Features:

- heavy duty hang-up ring
- calibrated in 2 PSI increments from **10 to 150 PSI**



Part #

DFG2

Tire Inflator Chuck

Features:

- ball foot chuck
- for direct connection to live air only
- features a built-in shutoff valve (will not work on inflator gauges)
- 1/4" NPT female thread
- maximum pressure is **150 PSI**

Brass
Part #**D104**

Optional Qty

LIBERTY EXHIBIT 1012, Page 378

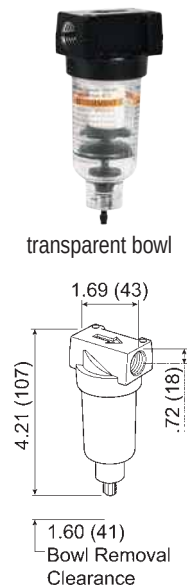
F03 Miniature Filters

Features:

- excellent water removal efficiency
- 5 micron element
- .5 oz. bowl
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 175°F (0°C to 80°C)**

Port Size	Flow (SCFM)	Transparent Bowl		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/8"	22	F03-01A	F03-01M	F03-01AMB	F03-01MMB
1/4"	24	F03-02A	F03-02M	F03-02AMB	F03-02MMB

SCFM ratings at 90 PSIG inlet pressure.

Pneumatic
Accessories

F08 Miniature Filters

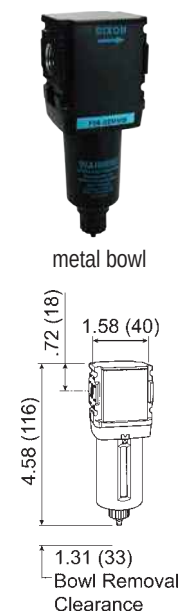
Features:

- 5 micron element
- .6 oz. bowl
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

Port Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	50	F08-02A	F08-02M	F08-02AMB	F08-02MMB

See pages 401 to 405 for accessories.

SCFM ratings at 150 PSIG inlet pressure.



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R03 Miniature Regulators

Features:

- 2-125 PSI adjusting range
- balanced valve design
- self-relieving standard
- non-rising push/pull locking adjustment knob
- two 1/8" NPT gauge ports standard on models without gauge, one 1/8" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- models supplied without gauge use a GC620 gauge.
- panel mount nuts sold separately
- maximum operating conditions:
 - 300 PSIG** (20.17 bar) and **32°F to 125°F (0°C to 52°C)**

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/8"	13	R03-01RG	R03-01R
1/4"	15	R03-02RG	R03-02R

SCFM ratings at 100 PSIG inlet pressure.

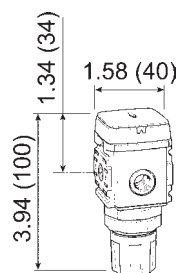


See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

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R08 Miniature Regulators

Features:

- 0-125 PSI adjusting range
- balanced valve design
- self-relieving standard
- non-rising push/pull locking adjustment knob
- two 1/8" NPT gauge ports standard on models without gauge, one 1/8" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- models with gauge are supplied with a 0-160 flush mount style gauge
- models supplied without gauge use a GC620 gauge.
- panel mount nuts sold separately
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

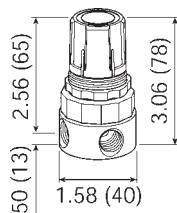
Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/4"	44	R08-02RG	R08-02R

SCFM ratings at 100 PSIG inlet pressure.

RB3 Miniature Water Regulators

Features:

- 2-125 PSI adjusting range
- suitable for water and compressed air service
- brass construction - wetted parts
- non-relieving spring-loaded diaphragm
- panel mount nut included
- two 1/8" NPT gauge ports standard
- models supplied without gauge use a GC620 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 40°F to 125°F (4°C to 52°C)



Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/8"	11	RB3-01RG	RB3-01R
1/4"	14	RB3-02RG	RB3-02R

SCFM ratings at 100 PSIG inlet pressure.

See pages 401 to 405 for accessories.

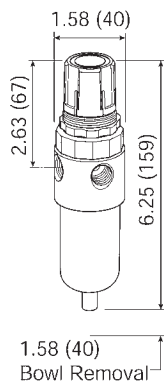
BB3 Miniature Filters / Regulators

Features:

- 2-125 PSI adjusting range
- 5 micron element
- .5 oz. bowl
- self-relieving
- supplied with a GC620 gauge
- maximum operating conditions:
 - transparent bowl: **125 PSIG (8.6 bar) and 40°F to 125°F (4.4°C to 52°C)**
 - metal bowl: **300 PSIG (20.7 bar) and 40°F to 125°F (4.4°C to 52°C)**



transparent bowl



Port Size	Flow (SCFM)	Transparent Bowl		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/8"	13	BB3-01AG	BB3-01MG	BB3-01AGMB	BB3-01MGMB
1/4"	16	BB3-02AG	BB3-02MG	BB3-02AGMB	BB3-02MGMB

SCFM ratings at 150 PSIG inlet pressure.

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B08 Miniature Filters / Regulators

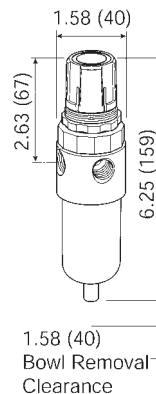
Features:

- 0-125 PSI adjusting range
- 5 micron element
- .4 oz. bowl
- self-relieving
- supplied with a 0-160 PSI flush mount style gauge
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	42	B08-02AG	B08-02MG	B08-02AGMB	B08-02MGMB

See pages 401 to 405 for accessories.

SCFM ratings at 100 PSIG inlet pressure.



metal bowl

Pneumatic
Accessories

L03 Miniature Lubricators

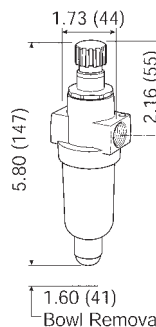
Features:

- 1 oz. bowl
- adjustable oil feed
- full view sight dome
- **Do not fill under pressure. Air supply must be turned off and pressure bled from unit prior to adding oil.**
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 175°F (0°C to 80°C)**



Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/8"	20	L03-01A	L03-01AMB
1/4"	20	L03-02A	L03-02AMB

SCFM ratings at 90 PSIG inlet pressure.



transparent bowl

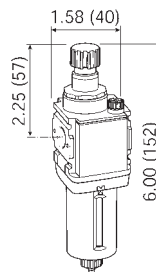
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L08 Miniature Lubricators

Features:

- .6 oz. bowl
- adjustable oil feed
- full view sight dome
- fill under pressure design
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	57.5	L08-02A	L08-02AMB



metal bowl

See pages 401 to 405 for accessories.

See page 367 for air tool lubricant.



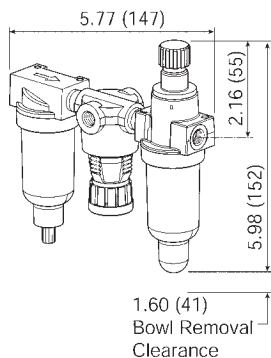
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

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transparent bowl



C03 Miniature Combination Units

Features:

- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 175°F (0°C to 80°C)**
- Included components: (2) adapters

Filter series F03:

- 5 micron element
- .5 oz. bowl

Regulator series R03:

- 2-125 PSI adjusting range
- balanced valve design
- self-relieving
- supplied with a GC620 gauge
- can be mounted with knob in up or down position

Lubricator series L03:

- 1 oz. bowl
- adjustable oil feed
- full view sight dome

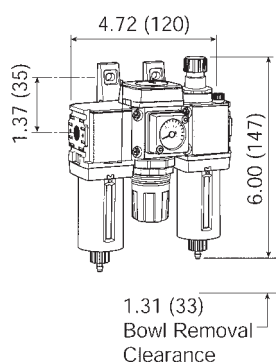
Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/8"	20	C03-01A	C03-01M	C03-01AMB	C03-01MMB
1/4"	20	C03-02A	C03-02M	C03-02AMB	C03-02MMB

SCFM ratings at 100 PSIG inlet pressure.

C08 Miniature Combination Units



metal bowl



Features:

- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**
- Included components: (2) mounting brackets with joiner set

Filter series F08:

- 5 micron element
- .6 oz. bowl

Regulator series R08:

- 0-125 PSI adjusting range
- balanced valve design
- self-relieving
- supplied with a 0-160 PSI flush mount style gauge

Lubricator series L08:

- .6 oz. bowl
- adjustable oil feed
- full view sight dome

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	44	C08-02A	C08-02M	C08-02AMB	C08-02MMB



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

F16 Compact Airline Filters

Features:

- 5 micron element
- 2.7 oz. bowl
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 65.5°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	63.0	F16-02A	F16-02M	F16-02AMB	F16-02MMB
3/8"	74.1	F16-03A	F16-03M	F16-03AMB	F16-03MMB
1/2"	80.4	F16-04A	F16-04M	F16-04AMB	F16-04MMB

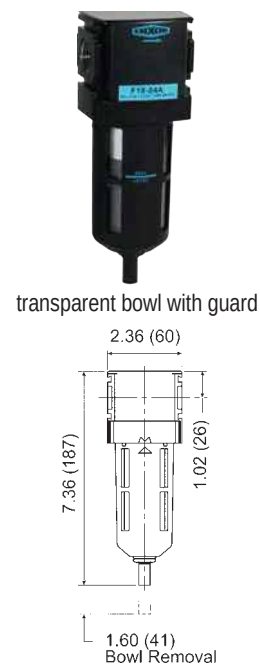
Pneumatic
Accessories

F18 Compact Airline Filters

Features:

- high flow capacity
- 5 micron element
- 1.72 oz. bowl
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	110	F18-02A	F18-02M	F18-02AMB	F18-02MMB
3/8"	120	F18-03A	F18-03M	F18-03AMB	F18-03MMB
1/2"	145	F18-04A	F18-04M	F18-04AMB	F18-04MMB



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F26 Standard Airline Filters

Features:

- 5 micron element
- 3.2 oz. bowl
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 65.5°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	81.3	F26-02A	F26-02M	F26-02AMB	F26-02MMB
3/8"	117.8	F26-03A	F26-03M	F26-03AMB	F26-03MMB
1/2"	149.8	F26-04A	F26-04M	F26-04AMB	F26-04MMB



See pages 401 to 405 for accessories.



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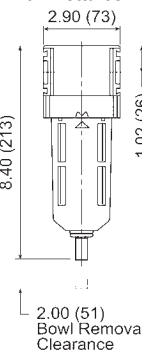
SCFM ratings at 150 PSIG inlet pressure.

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F28 Standard Airline Filters



with metal bowl

**Features:**

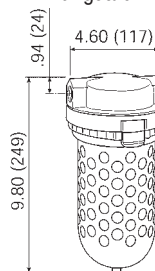
- high flow capacity
- 5 micron element
- 2.87 oz. bowl
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 65.5°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	144	F28-03A	F28-03M	F28-03AMB	F28-03MMB
1/2"	160	F28-04A	F28-04M	F28-04AMB	F28-04MMB
3/4"	165	F28-06A	F28-06M	F28-06AMB	F28-06MMB

F30 Jumbo Airline Filters



with guard

**Features:**

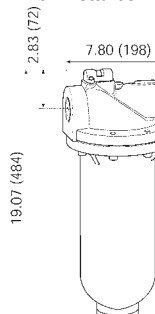
- 5 micron element
- 2 oz. bowl
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 65.5°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/4"	316	F30-06A	F30-06M	F30-06AMB	F30-06MMB
1"	323	F30-08A	F30-08M	F30-08AMB	F30-08MMB

F35 Jumbo Airline Filters



with metal bowl

**Features:**

- 5 micron element
- 12.5 oz. bowl
- maximum operating conditions:
 - metal bowl: **150 PSIG** (10.3 bar) and **32°F to 150°F (0°C to 65.5°C)**

Size	Flow (SCFM)	Heavy Duty Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #
1 1/2"	1280	F35-0BAMB	F35-0BMMB
2"	1400	F35-0CAMB	F35-0CMMB

See pages 401 to 405 for accessories.

! FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

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M16 Compact Coalescing Filters

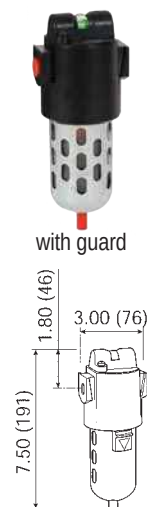
- removes extremely fine oil mists, oil aerosols and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter.
- 0.5 micron type B and 0.003 micron type D elements are optional
- differential pressure indicator changes from green to red with pressure loss



Features:

- 0.01 micron type C element
- 2.7 oz. bowl
- can be installed in modular system
- maximum operating conditions:
150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)

Size	Flow (SCFM)	With Compact Transparent Bowl and Guard	
		Automatic Drain Part #	Manual Drain Part #
1/4"	37.0	M16-02A	M16-02M
3/8"	44.7	M16-03A	M16-03M
1/2"	46.1	M16-04A	M16-04M



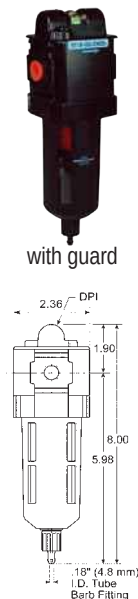
Pneumatic
Accessories

M18 Compact Coalescing Filters

Features:

- high-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m³ with minimum pressure drop
- modern design and appearance
- light weight
- high flow capacity
- 1.72 oz. bowl
- maximum operating conditions:
150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)

Size	Flow (SCFM)	With Compact Transparent Bowl and Guard	
		Automatic Drain Part #	Manual Drain Part #
1/4"	40.0	M18-02A	M18-02M
3/8"	44.0	M18-03A	M18-03M
1/2"	48.0	M18-04A	M18-04M



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M26 Standard Coalescing Filters

Features:

- 0.01 micron type C element
- 1.7 oz. bowl
- can be installed in modular system
- maximum operating conditions:
150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)

Size	Flow (SCFM)	With Standard Transparent Bowl and Guard	
		Automatic Drain Part #	Manual Drain Part #
1/4"	55.0	M26-02A	M26-02M
3/8"	65.5	M26-03A	M26-03M
1/2"	79.5	M26-04A	M26-04M



See pages 401 to 405 for accessories.



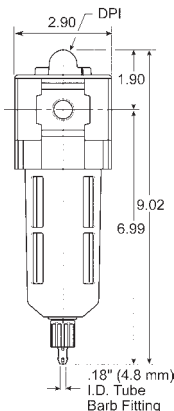
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

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with guard



M28 Standard Coalescing Filters

- removes extremely fine oil mists, oil aerosols and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter.
- 2.87 micron type B and 0.003 micron type D elements are optional
- differential pressure indicator changes from green to red with pressure loss



Features:

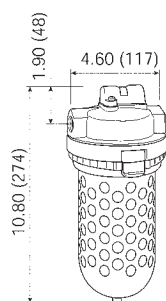
- high-efficiency removal of water, oil aerosols, and solid particulate contaminants down to 0.01 mg/m³ with minimum pressure drop
- modern design and appearance
- light weight
- high flow capacity
- 6 oz. bowl
- maximum operating conditions:
150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)

Size	Flow (SCFM)	Compact Transparent Bowl and Guard	
		Automatic Drain Part #	Manual Drain Part #
3/8"	82.0	M28-03A	M28-03M
1/2"	90.0	M28-04A	M28-04M
3/4"	98.0	M28-06A	M28-06M

M30 Jumbo Coalescing Filters



with guard



Features:

- 0.01 micron type C element
- 2 oz. bowl
- maximum operating conditions:
150 PSIG (10.3 bar) and 32°F to 125°F (0°C to 52°C)

Size	Flow (SCFM)	Jumbo Transparent Bowl and Guard
		Automatic Drain Part #
1/2"	123	M30-04A
3/4"	173	M30-06A
1"	203	M30-08A

See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

M35 Heavy Duty Coalescing Filters

- for removal of extremely fine oil mists, oil aerosols and microscopic particles
- A standard airline filter should be installed as a pre-filter when using a coalescing filter.
- 1.0 micron type B1 and 0.003 micron type D elements are optional
- differential pressure indicator changes from green to red with pressure loss



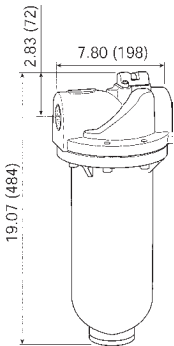
Features:

- 0.01 micron type C element
- 13.9 oz. bowl
- differential pressure indicator eliminates the guesswork of element placement
- maximum operating conditions:
150 PSIG (10.3 bar) and 32°F to 150°F (0°C to 65.5°C)

Size	Flow (SCFM)	Metal Bowl
		Automatic Drain Part #
1½"	710	M35-0BAMB
2"	710	M35-0CAMB



M35-0CAMB



Pneumatic
Accessories

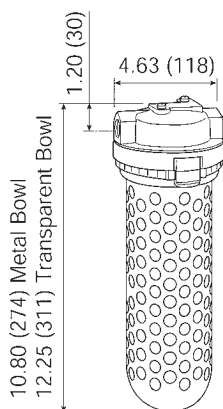
See pages 401 to 405 for accessories.

FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.



with transparent bowl



X03 Manual In-Line Desiccant Dryers

Applications:

- Manual air dryers are used to remove water vapor from compressed air systems, in applications such as paint spraying, laboratory instruments and small control air systems. Filtration for absorber type dryers is important to protect the desiccant bed from contamination. Cleaner incoming air will result in better performance, longer life and fewer service problems. To regenerate silica gel desiccant, it must be heated to at least **350°F (177°C)** for approximately 3 hours or until color has changed from pink to blue. Allow desiccant to cool to room temperature before pouring back into unit bowl.

An after-filter should be placed downstream from the desiccant dryer to ensure solid contaminants such as desiccant dust do not migrate downstream.



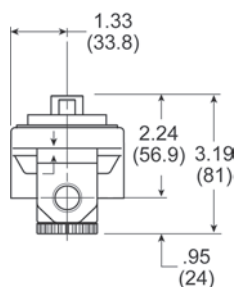
Features:

- will dry up to 4400 standard cubic feet of air
- desiccant; good for approximately 440 minutes at maximum continuous air flow before regeneration is required
- silica gel changes from blue to pink to indicate the need to replace or regenerate the desiccant
- slotted bowl guard for visual detection of color change
- no electrical connection necessary
- provides atmospheric dew point of **-45°F (-43°C)** with dry desiccant at **100 PSI** and **70°F (21°C)**
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **125°F (52°C)**
 - metal bowl: **150 PSIG** (10.3 bar) and **150°F (66°C)**

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	10	X03-02	X03-02MB

R21 Dial Air Regulators

Dial-air regulators feature a transparent, pressure-calibrated, non-rising adjustment dial for quick adjustment of secondary pressure. The full reduced pressure range can be dialed in less than 270° of dial rotation. This feature is particularly advantageous if secondary pressure must be changed frequently. Dial air regulators can be mounted in any position so dial face is always visible. All dial-air units have a slight constant air bleed.



Features:

- 0-160 PSI adjusting range
- balanced valve design
- relieving type
- non-rising pressure adjusting dial
- piston operated
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports.
- models supplied without gauge use a GC230 gauge
- maximum operating pressure: **300 PSIG** (20.7 bar)
- temperature range: **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/4"	117	R21-02RG	R21-02R
3/8"	180	R21-03RG	R21-03R
1/2"	195	R21-04RG	R21-04R
3/4"	220	R21-06RG	R21-06R

See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

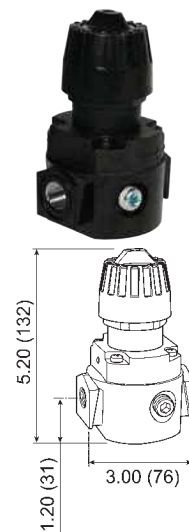
LIBERTY EXHIBIT 1012, Page 388

R16 Compact Regulators

Features:

- 0-125 PSI adjusting range
- for 0-60 PSI range consult Dixon®
- self-relieving standard
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two ¼" NPT gauge ports standard on models without gauge, one ¼" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
¼"	71.5	R16-02RG	R16-02R
⅜"	80.5	R16-03RG	R16-03R
½"	88.0	R16-04RG	R16-04R

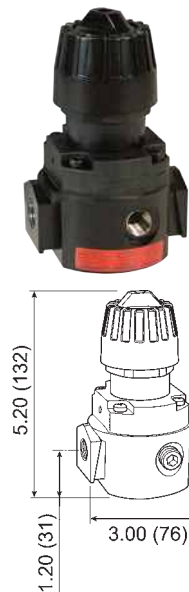
Pneumatic
Accessories

R16 High Pressure Compact Regulators

Features:

- 0-250 PSI adjusting range
- self-relieving standard
- non-rising push/pull locking adjustment knob
- panel mount nut standard
- excellent flow characteristics
- can be installed with the adjusting knob in any position
- two ¼" NPT gauge ports standard on models without gauge, one ¼" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC240 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
¼"	71.5	R16-02RHG	R16-02RH
⅜"	80.5	R16-03RHG	R16-03RH
½"	88.0	R16-04RHG	R16-04RH



G

R18 Compact Regulators

Features:

- 0-125 PSI adjusting range
- self-relieving standard
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- Two ¼" NPT gauge ports located on the front and rear faces of the body; ports may be used as additional regulated ports or for pressure gauges.
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
¼"	82	R18-02RG	R18-02R
⅜"	97	R18-03RG	R18-03R
½"	97	R18-04RG	R18-04R

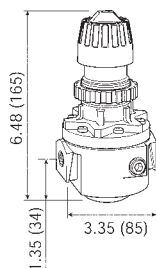


See pages 401 to 405 for accessories.

FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

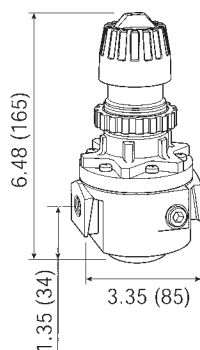
LIBERTY EXHIBIT 1012, Page 389

**Features:**

- 0-125 PSI adjusting range
- non-rising push/pull locking adjustment knob
- panel mount nut standard
- excellent flow characteristics
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	With Gauge	Without Gauge
		Part #	Part #
1/4"	112	R26-02RG	R26-02R
3/8"	148	R26-03RG	R26-03R
1/2"	185	R26-04RG	R26-04R

R26 High Pressure Standard Regulators

**Features:**

- 0-250 PSI adjusting range
- self-relieving standard
- non-rising push/pull locking adjustment knob
- panel mount nut standard
- excellent flow characteristics
- can be installed with the adjusting knob in any position
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge can be used for additional outlet ports
- models supplied without gauge use a GC240 gauge
- maximum operating conditions: **300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	With Gauge	Without Gauge
		Part #	Part #
1/4"	112	R26-02RHG	R26-02RH
3/8"	148	R26-03RHG	R26-03RH
1/2"	185	R26-04RHG	R26-04RH

See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

R28 Standard Regulators

Features:

- 0-125 PSI adjusting range
- self-relieving standard
- four adjusting pressure ranges available
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- Two 1/4" NPT gauge ports located on the front and rear faces of the body; ports may be used as additional regulated ports or for pressure gauges.
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
3/8"	162	R28-03RG	R28-03R
1/2"	170	R28-04RG	R28-04R
3/4"	176	R28-06RG	R28-06R

Pneumatic
Accessories

R30 High Flow Regulators

Features:

- 0-125 PSI adjusting range
- self-relieving standard
- piston operated
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
3/4"	481	R30-06RG	R30-06R
1"	500	R30-08RG	R30-08R



G

R30 High Pressure High Flow Regulators

Features:

- 0-180 PSI adjusting range
- self-relieving standard
- piston operated
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC240 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
3/4"	481	R30-06RHG	R30-06RH
1"	500	R30-08RHG	R30-08RH



See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.





R40 High Flow Regulators

Features:

- 0-125 PSI adjusting range
- self-relieving standard
- piston operated
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC230 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

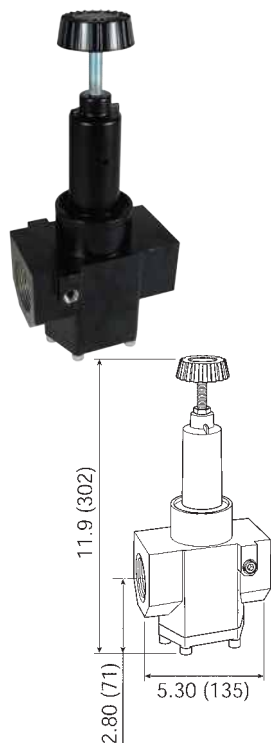
Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1½"	1200	R40-0BRG	R40-0BR
2"	1200	R40-0CRG	R40-0CR

R40 High Pressure High Flow Regulators

Features:

- 0-180 PSI adjusting range
- self-relieving standard
- piston operated
- can be installed with the adjusting knob in any position
- To increase regulated pressure, pull adjusting knob up and turn clockwise. To reduce pressure, turn knob counter clockwise.
- two 1/4" NPT gauge ports standard on models without gauge, one 1/4" NPT gauge port standard on models with gauge - can be used for additional outlet ports
- models supplied without gauge use a GC240 gauge
- maximum operating conditions:
300 PSIG (20.7 bar) and 32°F to 150°F (0°C to 66°C)

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1½"	1200	R40-0BRHG	R40-0BRH
2"	1200	R40-0CRHG	R40-0CRH



See pages 401 to 405 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

CB6 Compact Filter / Regulators

Over-under units are space savers and provide for installation in tight areas. One common inlet/outlet for both filter and regulator saves on piping costs.

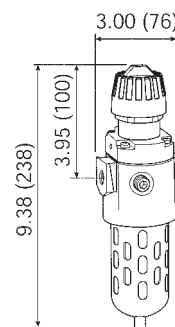
Features:

- 0-125 PSIG adjusting range
- 5 micron reusable element
- self-relieving standard
- diaphragm operated
- quick-disconnect bowl guard with integral plastic bowl and safety latch standard
- Two 1/4" gauge ports are provided in either side of the regulator body for installation of a gauge or to use as an additional outlet port. Plug unused port(s).
- supplied with GC230 gauge
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	64	CB6-02AG	CB6-02MG	CB6-02AGMB	CB6-02MGMB
3/8"	70	CB6-03AG	CB6-03MG	CB6-03AGMB	CB6-03MGMB
1/2"	70	CB6-04AG	CB6-04MG	CB6-04AGMB	CB6-04MGMB



with guard



Pneumatic
Accessories

B18 Compact Filter / Regulators

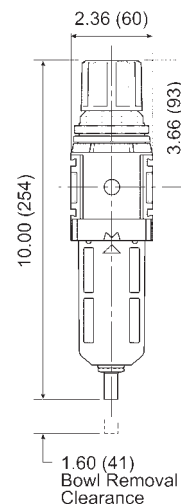
Features:

- 5-125 PSIG adjusting range for transparent bowl with guard
- 10-250 PSIG adjusting range for metal bowl with sight glass
- 5 micron element
- 1.72 oz. bowl
- self-relieving standard
- spring-loaded diaphragm
- To increase regulated pressure, pull adjusting knob and turn clockwise. To reduce pressure, turn knob counter clockwise. To lock knob, push down.
- Two 1/4" gauge ports located on the front and rear faces of the body. These ports may be used as additional regulated ports or for pressure gauges. Plug unused port(s).
- transparent bowl supplied with GC230 gauge
- metal bowl supplied with GC240 gauge
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	88	B18-02AG	B18-02MG	B18-02AGMB	B18-02MGMB
3/8"	117	B18-03AG	B18-03MG	B18-03AGMB	B18-03MGMB
1/2"	121	B18-04AG	B18-04MG	B18-04AGMB	B18-04MGMB



with metal bowl



See pages 401 to 405 for accessories.

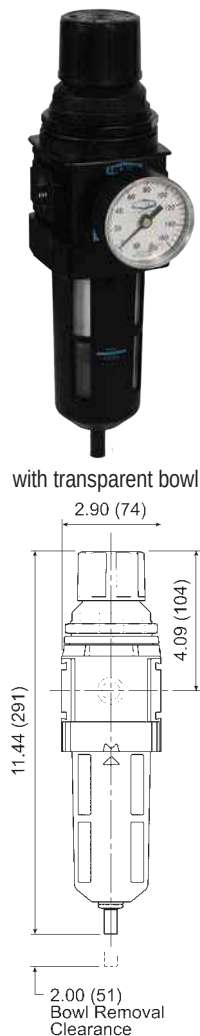


FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure.

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B28 Standard Filters/Regulators

**Features:**

- 5-125 PSIG adjusting range for transparent bowl with guard
- 10-250 PSIG adjusting range for metal bowl with sight glass
- 5 micron element
- 2.87 oz. bowl
- self-relieving standard
- spring-loaded diaphragm
- To increase regulated pressure, pull adjusting knob and turn clockwise. To reduce pressure, turn knob counter clockwise. To lock knob, push down.
- Two 1/4" gauge ports located on the front and rear faces of the body. These ports may be used as additional regulated ports or for pressure gauges. Plug unused port(s).
- transparent bowl supplied with GC230 gauge
- metal bowl supplied with GC240 gauge
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	140	B28-03AG	B28-03MG	B28-03AGMB	B28-03MGMB
1/2"	165	B28-04AG	B28-04MG	B28-04AGMB	B28-04MGMB
3/4"	175	B28-06AG	B28-06MG	B28-06AGMB	B28-06MGMB

See pages 401 to 405 for accessories.
SCFM ratings at 100 PSIG inlet pressure.

L16 EconOmist® Compact Lubricators



Designed so that all the oil flow observed in the sight dome is broken into a mist and delivered via the airflow to the application. The oil in the bowl can be filled or replenished without interrupting airflow or bleeding pressure from the system. Once the oil-fill cap is removed, the bowl is depressurized and isolated from line pressure, and the bowl itself can then be removed for faster refill, if desired. The bowl can be filled right to the top.

Features:

- 5 oz. bowl
- full view sight dome
- fill under pressure design
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	36.1	L16-02A	L16-02AMB
3/8"	58.5	L16-03A	L16-03AMB
1/2"	64.0	L16-04A	L16-04AMB

See pages 401 to 405 for accessories.
See page 367 for air tool lubricant.

! FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

Flow Guide®

The elastomer disc-shaped device is located in the throat of all Wilkerson lubricators and automatically maintains a constant ratio of oil flow to airflow regardless of changing rates of airflow. This allows one lubricator to serve several pneumatic components operating together or intermittently.

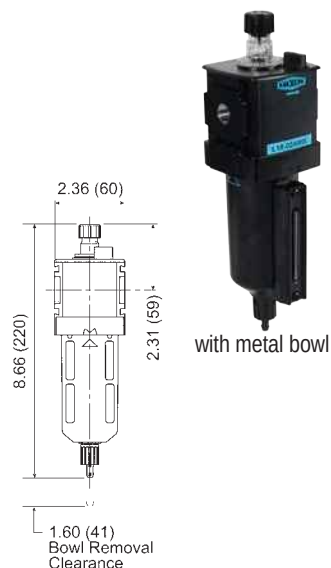
Type of oil to use:

For all Wilkerson lubricators, use any petroleum-base, non-detergent light weight oil (SAE 10/150SSU) which will readily break up into a mist, i.e., Mobil DTE light or comparable oil. Do not use synthetic oil or any oils containing additives or solvents. See page 367 for air tool lubricants.

L18 EconOmist® Compact Lubricators**Features:**

- 4 oz. bowl
- manual drain
- high flow capacity
- can be filled under pressure
- To adjust and set oil delivery rate the unit must be pressurized and air must be flowing through the unit. Turn the sight dome, located on the top of the unit, counter clockwise to initiate oil delivery. The rate of oil delivery depends on air flow rate. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally. Turning the sight dome clockwise will stop all oil delivery.
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	88	L18-02A	L18-02AMB
3/8"	90	L18-03A	L18-03AMB
1/2"	96	L18-04A	L18-04AMB

**L26 EconOmist® Standard Lubricators****Features:**

- 10 oz. bowl
- adjustable oil feed
- can be filled under pressure
- quick-disconnect metal bowl guard with integral safety latch
- siphon tube filter provides clean lubricant downstream
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally.
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl ¹ Part #
1/4"	35	L26-02A	L26-02AMB
3/8"	60	L26-03A	L26-03AMB
1/2"	128	L26-04A	L26-04AMB

¹ metal bowl has sight gauge with brass petcock drain



See pages 401 to 405 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

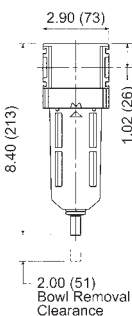
SCFM ratings at 150 PSIG inlet pressure.

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L28 EconOmist® Standard Lubricators



with metal bowl

**Features:**

- 6.11 oz. bowl
- manual drain
- high flow capacity
- can be filled under pressure
- To adjust and set oil delivery rate the unit must be pressurized and air must be flowing through the unit. Turn the sight dome, located on the top of the unit, counter clockwise to initiate oil delivery. If flow increases or decreases, the oil delivery rate will increase or decrease proportionally. Turning the sight dome clockwise will stop all oil delivery.
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**

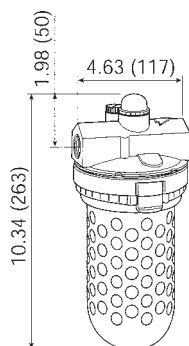
Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	176	L28-03A	L28-03AMB
1/2"	184	L28-04A	L28-04AMB
3/4"	200	L28-06A	L28-06AMB

SCFM ratings at 150 PSIG inlet pressure.

L30 EconOmist® Standard Lubricators



with metal bowl

**Features:**

- 26 oz. bowl
- transparent bowl: no drain
metal bowl: manual brass petcock drain
- can be filled under pressure
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. The oil delivery rate will change automatically to deliver more oil during higher air flows and less oil for air flows lower than the one at which the setting was made.
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/4"	196	L30-06A	L30-06AMB
1"	374	L30-08A	L30-08AMB

SCFM ratings at 120 PSIG inlet pressure.

See pages 401 to 405 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

LIBERTY EXHIBIT 1012, Page 396

L40 & L50 EconOmist® Standard Lubricators

Features:

- 26 oz. bowl
- transparent bowl: solid bottom
metal bowl: manual drain with sight glass
- full view sight dome
- adjustable oil feed
- can be filled under pressure
- quick-disconnect clamp ring for easy bowl removal
- The rate of oil delivery may be controlled by turning the adjusting screw counter clockwise for more and clockwise for less oil delivery. The oil delivery rate will change automatically to deliver more oil during higher air flows and less oil for air flows lower than the one at which the setting was made.
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl with Sight Glass Part #
1½"	927	L40-0BA	L40-0BAMB
2"	1186	L50-0CA	L50-0CAMB



transparent bowl with guard

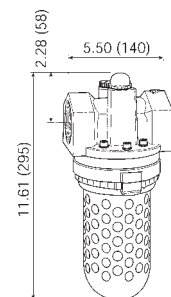


illustration represents L40 series

See pages 401 to 405 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 120 PSIG inlet pressure.

C16 Compact Combination Units

Features:

- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 175°F (0°C to 80°C)**
- Included components:
 - (2) modular sleeves
 - (2) mounting brackets (sleeve and bracket)
 - (2) end blocks

Filter series F16:

- 5 micron element
- 2.7 oz. bowl

Regulator series R16:

- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

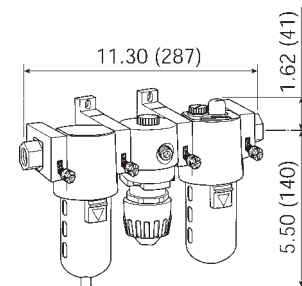
Lubricator series L16:

- 5 oz. bowl
- adjustable oil feed
- full view sight dome

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
¼"	36.1	C16-02A	C16-02M	C16-02AMB	C16-02MMB
⅜"	58.5	C16-03A	C16-03M	C16-03AMB	C16-03MMB
½"	64.0	C16-04A	C16-04M	C16-04AMB	C16-04MMB



transparent bowl with guard



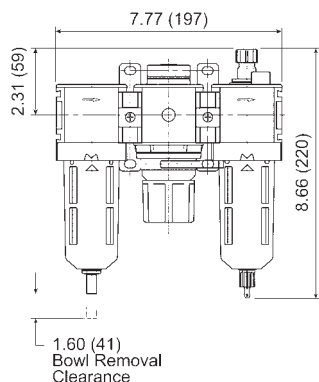
FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

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with metal bowl



C18 Compact Combination Units

Features:

- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**
- Included components:
 - (2) end blocks
 - (2) mounting brackets with joiner set and port O-ring

Filter series F18:

- 5 micron element
- 1.72 oz. bowl

Regulator series R18:

- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

Lubricator series L18:

- 4 oz. bowl
- adjustable oil feed
- full view sight dome

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	110	C18-02A	C18-02M	C18-02AMB	C18-02MMB
3/8"	160	C18-03A	C18-03M	C18-03AMB	C18-03MMB
1/2"	160	C18-04A	C18-04M	C18-04AMB	C18-04MMB

C26 Standard Combination Units

Features:

- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 175°F (0°C to 80°C)**
- Included components:
 - (2) modular sleeves
 - (2) mounting brackets (sleeve and bracket)
 - (2) end blocks

Filter series F26:

- 5 micron element
- 3.2 oz. bowl

Regulator series R26:

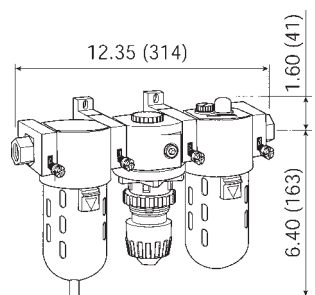
- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

Lubricator series L26:

- 10 oz. bowl
- adjustable oil feed
- full view sight dome



with metal bowl



Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
1/4"	35	C26-02A	C26-02M	C26-02AMB	C26-02MMB
3/8"	60	C26-03A	C26-03M	C26-03AMB	C26-03MMB
1/2"	128	C26-04A	C26-04M	C26-04AMB	C26-04MMB



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 150 PSIG inlet pressure.

LIBERTY EXHIBIT 1012, Page 398

C28 Standard Combination Units

Features:

- modern design and appearance
- quick disconnect bowl / bowl guard
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 150°F (0°C to 65.5°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**
- Included components:
 - (2) end blocks
 - (2) mounting brackets with joiner set and port O-ring

Filter series F28:

- 5 micron element
- 2.87 oz. bowl

Regulator series R28:

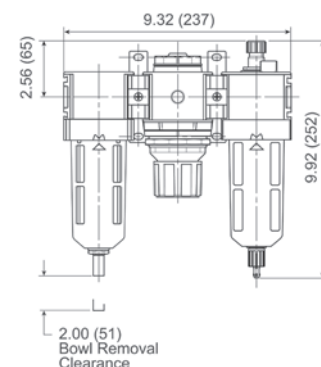
- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

Lubricator series L28:

- 6 oz. bowl
- adjustable oil feed
- full view sight dome

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/8"	150	C28-03A	C28-03M	C28-03AMB	C28-03MMB
1/2"	175	C28-04A	C28-04M	C28-04AMB	C28-04MMB
3/4"	175	C28-06A	C28-06M	C28-06AMB	C28-06MMB

SCFM ratings given at 150 PSIG inlet pressure.



C31 Jumbo Combination Units

Features:

- high flow capacity
- large bowl reservoir
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 175°F (0°C to 80°C)**
- Included components:
 - (2) brass hex nipples

Filter series F30:

- 5 micron element
- 2 oz. bowl

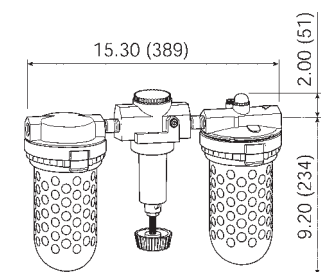
Regulator series R30:

- 0-125 PSI adjusting range
- self-relieving
- supplied with a GC230 gauge

Lubricator series L30:

- 26 oz. bowl
- adjustable oil feed
- full view sight dome

Size	Flow (SCFM)	Transparent Bowl and Guard		Metal Bowl with Sight Glass	
		Automatic Drain Part #	Manual Drain Part #	Automatic Drain Part #	Manual Drain Part #
3/4"	374	C31-06A	C31-06M	C31-06AMB	C31-06MMB
1"	374	C31-08A	C31-08M	C31-08AMB	C31-08MMB

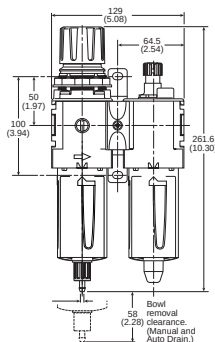


FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 120 PSIG inlet pressure.



with transparent bowl and guard

**Features:**

- light weight, Ready-to-Mount assembly comes standard with pressure gauge and modular T-Bracket/Joiner Assembly
- components integrated into single unit
- modern design and appearance
- quick disconnect bowl / bowl guard
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**
- 5 micron element
- 4 oz. bowl/lubricator

Regulator

- 0-125 PSI adjusting range
- self-relieving
- supplied with gauge
- 1.72 oz. bowl/filter

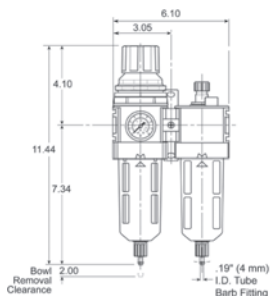
Size	Flow (SCFM)	Transparent Bowl and Guard	Metal Bowl / Sight Gauge
		Manual Drain Part #	Manual Drain Part #
1/2"	175	D18-04M	D18-04MMB

SCFM ratings at 150 PSIG inlet pressure.

D28 Combination Units



with metal bowl

**Features:**

- light weight, Ready-to-Mount assembly comes standard with pressure gauge and modular T-Bracket/Joiner Assembly
- components integrated into single unit
- modern design and appearance
- quick disconnect bowl / bowl guard
- maximum operating conditions:
 - **250 PSIG** (17.2 bar) and **32°F to 150°F (0°C to 66°C)**
- 5 micron element
- 6 oz. bowl/lubricator

Regulator

- 0-125 PSI adjusting range
- self-relieving
- supplied with gauge
- 2.87 oz. bowl/filter

Size	Flow (SCFM)	Metal Bowl / Sight Gauge
		Manual Drain Part #
1/2"	110	D28-04MMB
3/4"	130	D28-06MMB



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 150 PSIG inlet pressure.

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C31 Combination Unit with Protective Frame

Application:

Provides downstream air preparation with protection and convenience.

Features:

Include components:

- C31-08AMB 1" FRL with metal bowls and auto drain filter
- BBLV100 1" brass ball valve and AM12 air king on inlet port
- BBV100DTW 3-way ball valve installed between regulator and lubricator provides option for non-lubricated air
- heavy duty frame protects air prep components
- operating:
maximum pressure: **250 PSIG**
temperature range: **40°F to 150°F (4°C to 66°C)**
flow: 320 SCFM

Size	Part #
1"	C31-08FRAME

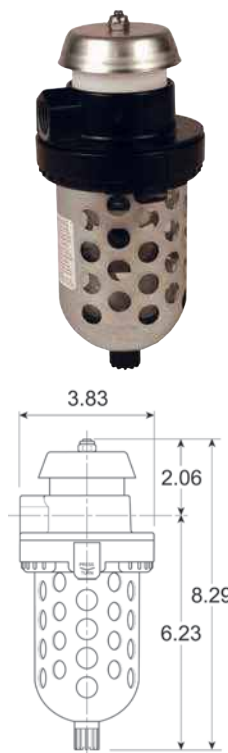
Pneumatic
Accessories

F23 Exhaust Muffler

Features:

- The contaminants in the exhaust flow are mechanically separated and twice filtered to 5 micron levels. The clean, muffled exhaust flows out of the unit under the metal hood on top.
- removes oily aerosols from exhaust flows
- one inlet port
- 5 micron element
- quick disconnect clamp ring for easy bowl removal
- manual drain
- operating:
maximum pressure: **150 PSIG (10.3 bar)**
temperature range: **32°F to 125°F (0°C to 52°C)**

Size	Flow @ 90 PSI	Transparent Bowl with Guard Part #
½"	240 SCFM	F23-04M

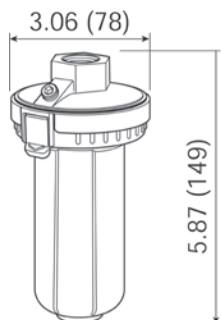


FRL's are designed for air service only, unless otherwise indicated.





with metal bowl



X02 Automatic Drains

As liquid contaminants collect in the bowl, they raise a closed-cell cellular float. When the liquid level reaches a given point, the float triggers a mechanism which pilots line pressure against a large area piston or diaphragm which snaps open the drain valve. The contaminants are discharged from the drain orifice at line pressure. As the liquid level falls, the pilot valve closes, line pressure against the piston/diaphragm returns to atmosphere and the drain valve snaps closed.

Features:

- 5 oz. bowl
- fully automatic, float operated
- full ½" NPT drain inlet
- quick-disconnect clamp ring for easy bowl removal when servicing
- no electrical connections
- easy installation
- maximum operating conditions:
 - transparent bowl: **150 PSIG** (10.3 bar) and **32°F to 125°F (0°C to 52°C)**
 - metal bowl: **200 PSIG** (13.8 bar) and **32°F to 150°F (0°C to 66°C)**

Size	Transparent Bowl Part #	Metal Bowl Part #
½"	X02-04	X02-04MB

Lockout Valves

Application:

Lockout valves are installed in pneumatic drop legs, or individual pneumatic control lines. In accordance with OSHA procedures, lockout valves are used during maintenance and service procedures of pneumatically (air) operated equipment.



Features:

- used to comply with OSHA 29 CFR part 1910
- built in port for pressure verification to meet ANSI B11 and Pmm155 requirements
- inline or surface mountable
- yellow cast aluminum body with red handle
- pressure range: **15-300 PSI**
- temperature range: **40°F to 175°F (4°C to 79°C)**

Port In/Out	Port Exhaust	Part #
½"	¾"	LV4N6D
¾"	¾"	LV6N6D
¾"	1¼"	LV6NAD
1"	1¼"	LV8NAD

Filter Elements

Used On	Description	Part #
F03	5 micron element	PS403
F08		FRP-96-729
F16		FRP-95-160
F18		FRP-96-639
F26		FRP-95-115
F28		FRP-96-653
F30		FRP-95-209
F35		FRP-95-505
F42		FRP-95-566

Pneumatic
Accessories

Coalescing Filter Elements

Used On	Description	Part #
M16, M26, M30	type B element (0.5 micron)	MSP-95-989
M16	type C element (0.01 micron)	MTP-95-548
M26	type C element (0.01 micron)	MTP-95-549
M30	type C element (0.01 micron)	MTP-95-551
M35	type C element (0.01 micron)	MTP-95-502



MTP-95-548

Desiccant Dryer Gel Refill

Used On	Description	Part #
X03	8 bags of silica gel refill	DRP-85-059



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Filter Bowls with Drain

Used On	Description	Part #
F08	plastic bowl with guard and manual drain	GRP-96-712
F16, M16	plastic bowl and metal bowl guard with flex tip drain	FRP-95-014
	plastic bowl and metal bowl guard with auto drain	FRP-95-015
	plastic bowl with manual drain	FRP-95-017
	metal bowl with sight glass and manual drain	GRP-95-133
	metal bowl with auto drain	FRP-95-950
F18	plastic bowl and bowl guard with manual drain	GRP-96-634
	plastic bowl and bowl guard with auto drain	GRP-96-635
	metal bowl with sight glass and manual drain	GRP-96-636
F26, M26	plastic bowl and metal bowl guard with flex tip drain	GRP-95-935
	plastic bowl and metal bowl guard with auto drain	GRP-95-948
	metal bowl with sight glass and manual drain	GRP-95-931
	metal bowl with auto drain	GRP-95-960
F28	plastic bowl, bowl guard, manual drain	GRP-96-642
	metal bowl, with sight glass, manual drain	GRP-96-644
F30, M30	plastic bowl and metal bowl guard with manual drain	FRP-95-832
	plastic bowl and metal bowl guard with auto drain	FRP-95-775
	plastic bowl with flex tip drain	FRP-96-315
	metal bowl with sight glass and manual drain	GRP-95-676
	metal bowl with auto drain	GRP-95-970



FRP-95-015





GRP-96-001

Filter Drains

Used On	Description	Part #
F16, F18, F26, F28, F30, F35, M16, M26, M30, M32, M35	automatic drain with fluoro-carbon seal	GRP-95-981
F16, F18, F26, F28, F30, M16, M26, M30	automatic float drain with a nitrile seal	GRP-95-973
F16, F18, F26, F28, F30, F35, M16, M26, M30, M35	manual override drain	GRP-96-001
F16, F26, F30, M16, M26, M30	manual petcock drain for use with metal bowl units	GRP-95-182
F16, F26, F30, M16, M26, M30	manual flex tip drain	GRP-95-610
F18, F28	manual drain	GRP-96-685

Sight Glass Kit



Used On	Description	Part #
M16, M26	sight glass kit for metal bowls	GRP-95-079

Differential Pressure Indicators

Features:

- used to replace damaged indicators on filters and modular coalescing filters
- pressure loss changes color of indicator window from green to red



DP2-01-000

Used On	Description	Part #
M16, M26, M30, M32	indicator	DP2-01-000
F35, M35	indicator	DP2-01-001

Regulator Spring



Used On	Description	Part #
R16	0-50 PSI spring	RRP-95-222

Regulator Flush Mounted Gauge



Application:

- for units originally purchased with a flush mounted gauge

Used On	Description	Part #
R08	0-160 PSI	GRP-96-719

Ring Style Tamper Resistant Kits



RPA-95-006

Used On	Description	Part #
R08	ring style tamper resistant kit	RPA-96-735
R16, R26		RPA-95-006
R18		RRP-96-671
R28		RRP-96-672

Regulator Repair Kits

Used On	Description	Part #
R16	self-relieving repair kit	RRP-95-131
R18	relieving diaphragm assembly	RRP-96-656
R26	self-relieving repair kit	RRP-95-952
R28	relieving diaphragm assembly	RRP-96-986
R30	valve assembly: valve, spring, bottom plug O-ring	RRP-95-159
R40	valve assembly: valve, spring, retaining ring O-ring	RRP-95-161



RRP-95-952

Pneumatic
Accessories

Lubricator Bowls and Bowl Guards

Used On	Description	Part #
L08	plastic bowl with guard and manual drain	LRP-96-736
L16	metal bowl with sight glass and manual drain	GRP-95-133
	plastic bowl with guard and manual drain	GRP-95-019
	plastic bowl with no drain	LRP-96-937
L18	metal bowl with sight glass, manual drain	GRP-96-636
	plastic bowl with guard and manual drain	LRP-96-701
L26	metal bowl with sight glass and manual drain	GRP-95-931
	plastic bowl with no drain	LRP-96-938
L28	metal bowl with sight glass, manual drain	GRP-96-644
	plastic bowl with guard and manual drain	LRP-96-702
L30, L40	metal bowl with sight glass and manual drain	GRP-95-676
L30, L40, L50	plastic bowl with no drain	LRP-96-940



GRP-95-019

Sight Domes and Fill Plugs

Used On	Description	Part #
L08, L16, L26	sight dome kit: dome and O-ring	LRP-95-239
L08	fill plug kit: fill plug and O-ring	LRP-96-730
L16, L26, L30	fill plug kit: fill plug and O-ring	LRP-95-253
L18, L28	sight dome assembly (new style)	LRP-96-310
L30, L40, L50	sight dome kit: dome and O-ring	LRP-95-249
L40, L50	fill plug kit: fill plug and O-ring	LRP-95-250



LRP-95-249

Modular Shut-Off Valves

Application:

- Useful for isolating and depressurizing a downstream unit requiring maintenance or replacement.

Features:

- can be installed immediately upstream of a single unit or combination of units
- secure to the unit with a modular sleeve or modular sleeve wall mounting bracket
- ball-type valve operates with a 1/4 turn from open to shut position
- can be locked in the open position
- left to right flow

Used On	Description	Part #
F16, F26, R16, B26, L16, L26	1/4" NPT safety shut-off valve	GPA-95-096
	3/8" NPT safety shut-off valve	GPA-95-097
	1/2" NPT safety shut-off valve	GPA-95-098



GPA-95-098





GPA-95-919



GPA-95-223



GPA-96-610

Features:**Manifold Block**

- flexible installation can be installed after the filter or regulator, providing three additional 1/4" NPT tapped auxiliary ports
- 1/2" inlet/outlet ports non-tapped
- 1-17/32" width

End Block

- When used with the modular sleeve, end blocks allow a single unit or a combination of units to be piped into the air system in the modular mode.
- allows ease of unit servicing or replacement without disturbing the air line connections

Used On	Description	Part #
F16, M16, F26, M26, R16, R26, L16, L26	manifold block, three 1/4" NPT auxiliary ports	GPA-95-919
	end block, 1/4" NPT	GPA-95-223
	end block, 3/8" NPT	GPA-95-224
	end block, 1/2" NPT	GPA-95-225
F18, F28, R18, R28, L18, L28	end block, 1/4" NPT	GPA-96-610
	end block, 3/8" NPT	GPA-96-611
	end block, 1/2" NPT	GPA-96-612
	end block, 3/4" NPT	GPA-96-613

Modular Pipe Adapters**Features:**

- When used with the modular sleeve, adapter inserts allow a single unit or a combination of units to be piped into the air system in the modular mode.
- allows ease of unit servicing or replacement without disturbing the air line connections
- set includes 2 blocks



GPA-95-037

Used On	Description	Part #
F16, M16, F26, M26, R16, R26, L16, L26	1/4" NPT	GPA-95-035
	3/8" NPT	GPA-95-036
	1/2" NPT	GPA-95-037

Modular Sleeve**Features:**

- design easily and quickly connects one or more units and accessories together without pipe nipples
- hand tightening the threaded pin provides a tight seal between the units



Used On	Description	Part #
F16, F26, R16, R26, L16, L26	modular sleeve	GPA-95-292

Modular Sleeve with T Bracket**Features:**

- designed to mount a single unit or combination of units directly to the wall
- sleeve and mounting bracket can be ordered assembled, or just the mounting bracket alone for use on existing modular sleeves



GPA-95-969

Used On	Description	Part #
F16, F26, R16, R26, L16, L26	bracket sleeve and bracket	GPA-95-968 GPA-95-969

Mounting Brackets and Joiner Sets

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
RB3	mounting bracket (type L) and nut	GRP-95-747
F03	mounting bracket	PS417B
F08	mounting bracket (type T) with joiner set and port O-ring	GPA-96-737
	mounting bracket (type C)	GPA-97-010
	joiner set and port O-ring	GPA-96-738
R08	mounting bracket (type L)	GRP-96-739
F16, M16	mounting bracket (type L)	GPA-95-016
R16	mounting bracket (type L) and nut	GPA-95-011
R16, R21, R26, R30, R40	wall mount bracket with 1/4" NPT gauge port adapter	RRP-95-590
F18	mounting bracket (type C)	GPA-96-604
	mounting bracket (type L)	GPA-96-606
F18, F28	mounting bracket (type T)	GPA-96-602
	mounting bracket (type T) with joiner set and port O-ring	GPA-96-603
F26, M26	mounting bracket (type L)	GPA-95-946
R26	mounting bracket (type C) and nut	RPA-95-947
F28	mounting bracket (type C)	GPA-96-605
	mounting bracket (type L)	GPA-96-607
F30	wall mount, U-bolt pipe clamp	GRP-95-734



GPA-96-737

FRL Display

Increase your sales with this heavy duty, point-of-purchase Dixon® FRL Display. Display is designed to highlight the features and benefits of a modular Filter-Regulator-Lubricator Combination Unit for air line services. The display is perfect for a "Will Call" or showroom sales area.

Features:

- FRL combination unit with standard metal bowl with sight glass and manual drain
- modular mounting clamps
- pipe adapters
- display stand
- assembly is required



Part #

WILK26DISPLAY

Note: this product will be discontinued once stock is depleted.





FRL Display

Increase your sales with this heavy duty, point-of-purchase Dixon® FRL Display. Display is designed to highlight the features and benefits of a modular Filter-Regulator-Lubricator Combination Unit for air line services. The display is perfect for your "Will Call" or showroom sales area.

Features:

- 74 Series basic combination unit with metal bowl with sight glass and manual drain
- modular mounting clamps
- pipe adapters
- display stand
- assembly is required

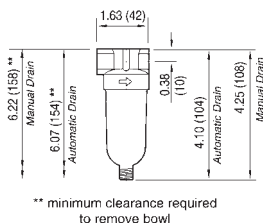
Part #

NORG74DISPLAY

Note: this product will be discontinued once stock is depleted.

Series I line of miniature filters, filter/regulators, regulators and lubricators in prepackaged clear plastic units are suitable for hanging on store peg racks or displays. The primary features of each unit are printed on the packaging. Each package contains 1 unit and an instruction sheet.

F07 Carded Miniature Filters

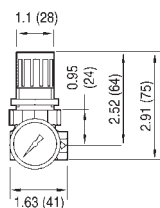


Features:

- 5 micron element
- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	24	F07-200AC	F07-200MC

R07 Carded Miniature Regulator

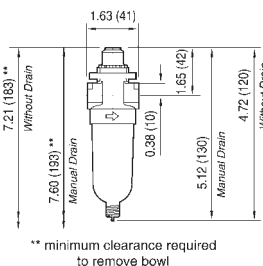


Features:

- pressure range 5-100 PSI
- relieving type
- inlet pressure **250 PSI** maximum
- maximum temperature: **150°F (66°C)**
- supplied with a GC620 gauge

Port Size	Flow (SCFM)	with Gauge Part #
1/4"	15	R07-200RGC

L07 Carded Miniature Lubricator



Features:

- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**

Port Size	Flow (SCFM)	with Transparent Bowl Part #
1/4"	15	L07-200AC



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 100 PSIG inlet pressure for regulators, 90 PSIG for all others.

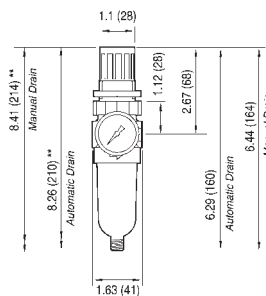
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B07 Carded Miniature Filter/Regulators

Features:

- pressure range 5-100 PSI
- relieving type
- 5 micron element
- 1 oz. reservoir
- push to lock adjusting knob
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- supplied with a GC620 gauge
- bowl guard not available
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	14	B07-202AGC	B07-202MGC



** minimum clearance required to remove bowl



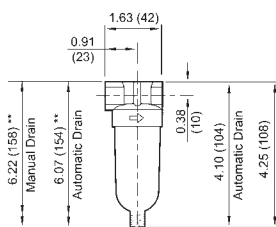
Pneumatic
Accessories

SCFM ratings given at 150 PSIG inlet pressure.

F07 Miniature Filters

- 5 micron element
- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	19	F07-100A	F07-100M
1/4"	24	F07-200A	F07-200M



** minimum clearance to remove bowl

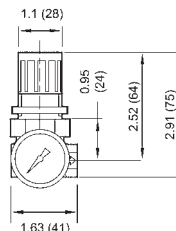


SCFM ratings given at 90 PSIG inlet pressure.

R07 Miniature Regulators

- pressure range 5-100 PSI
- relieving type
- inlet pressure **300 PSI** max.
- maximum temperature: **150°F (66°C)**
- regulation at flows up to 22 SCFM at 100 PSIG
- RG models supplied with a GC620 gauge
- panel nut not included

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/8"	14	R07-100RG	R07-100R
1/4"	15	R07-200RG	R07-200R

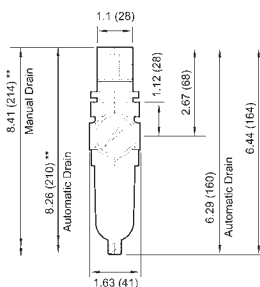


SCFM ratings given at 100 PSIG inlet pressure.

B07 Miniature Filter / Regulators

- pressure range 5-100 PSI
- relieving type
- 5 micron element
- 1 oz. reservoir
- push to lock adjusting knob
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- supplied with a GC620 gauge
- bowl guard not available
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	13	B07-102AG	B07-102MG
1/4"	24	B07-202AG	B07-202MG



** minimum clearance to remove bowl



SCFM ratings given at 150 PSIG inlet pressure.

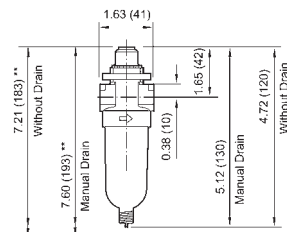
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L07 Miniature Lubricators



- 1 oz. reservoir
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**

Port Size	Flow (SCFM)	Transparent Bowl Part #
1/8"	10	L07-100A
1/4"	14	L07-200A



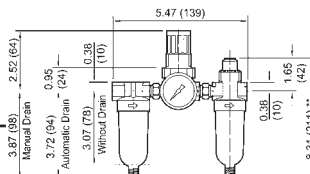
** minimum clearance to remove bowl

P1A Miniature Combination Units



- pressure range 5-125 PSI
- 1 oz. reservoir
- supplied with a GC620 gauge
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/8"	10	P1A-100A	P1A-100M
1/4"	14	P1A-200A	P1A-200M



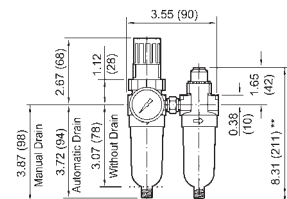
** minimum clearance to remove bowl

PTH Miniature Combination Units



- pressure range 5-125 PSI
- requires only 2 pipe connections
- inlet pressure **150 PSI** maximum
- maximum temperature: **125°F (52°C)**
- transparent bowl

Port Size	Flow (SCFM)	Automatic Drain Part #
1/8"	10	PTH-100AG
1/4"	14	PTH-200AG



** minimum clearance to remove bowl

F72 Sub-Compact Airline Filters

Features:

- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 2 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
 - transparent bowl: **150 PSI** and **125°F (52°C)**
 - metal bowl: **250 PSI** and **150°F (66°)**

Transparent Bowl

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	55	F72G-2A	F72G-2M

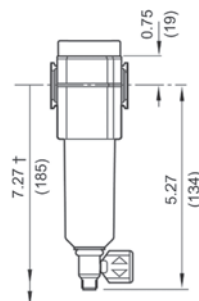
Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	55	F72G-2A-MB	F72G-2M-MB

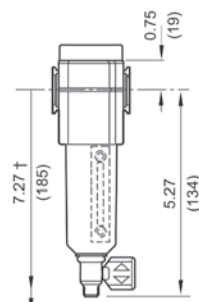
with transparent bowl



with metal bowl



† Minimum clearance to remove bowl



† Minimum clearance to remove bowl



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 100 PSIG inlet pressure for regulators, 90 PSIG all others

F73 Compact Airline Filters

Features:

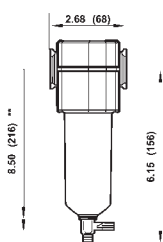
- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 4 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
 - transparent bowl: **150 PSI** and **125°F (52°C)**
 - metal bowl: **250 PSI** and **175°F (79°C)**

Transparent Bowl

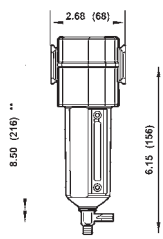
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	53	F73G-2A	F73G-2M
3/8"	65	F73G-3A	F73G-3M
1/2"	69	F73G-4A	F73G-4M

Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	53	F73G-2A-MB	F73G-2M-MB
3/8"	65	F73G-3A-MB	F73G-3M-MB
1/2"	69	F73G-4A-MB	F73G-4M-MB



** Minimum clearance required to remove bowl.



1/4 Turn Manual Drain
** Minimum clearance required to remove bowl.



with transparent bowl



with metal bowl

Pneumatic
Accessories

F74 Standard Airline Filters

Features:

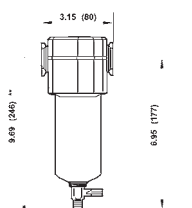
- particle removal per ISO 8573-1, Class 5 and Class 3
- 40 micron element
- 7 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure:
 - transparent bowl: **150 PSI** and **125°F (52°C)**
 - metal bowl: **250 PSI** and **175°F (79°C)**

Transparent Bowl and Guard

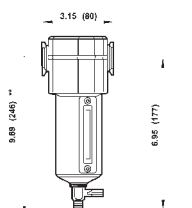
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	112	F74G-3A	F74G-3M
1/2"	140	F74G-4A	F74G-4M
3/4"	140	F74G-6A	F74G-6M

Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	112	F74G-3A-MB	F74G-3M-MB
1/2"	140	F74G-4A-MB	F74G-4M-MB
3/4"	140	F74G-6A-MB	F74G-6M-MB



** Minimum clearance required to remove bowl.



** Minimum clearance required to remove bowl.



with transparent bowl



with metal bowl

G

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings at 90 PSIG inlet pressure.

LIBERTY EXHIBIT 1012, Page 411

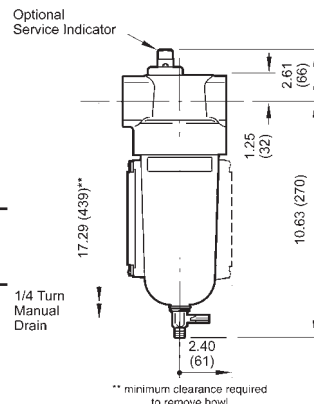
F17 Jumbo Airline Filters

**Features:**

- general purpose with low pressure drop and excellent water removal characteristics
- 40 micron element
- 1 qt. reservoir
- inlet pressure: **250 PSI** and **175°F (79°C)**

Metal Bowl and Sight Glass

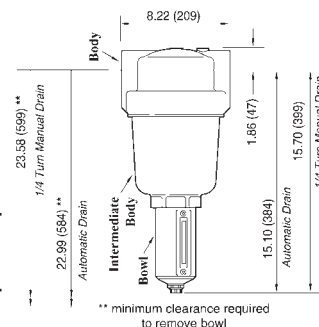
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/4"	325	F17-600A	F17-600M
1"	425	F17-800A	F17-800M
1 1/4"	425	F17-A00A	F17-A00M
1 1/2"	425	F17-B00A	F17-B00M

**Features:**

- 40 micron element
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- 7 oz. reservoir
- inlet pressure: **250 PSI** and **175°F (79°C)**

Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
2"	1400	F18-C00A	F18-C00M



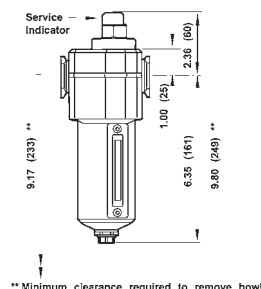
F74 Oil Removal Filters

Features:

- provides air quality class 2 hydrocarbon and class 1 particulate removal per ISO 8573-1
- element removes particles down to 0.01mm. Maximum remaining oil content of air leaving the filter is 0.01 ppm at **70°F (21°C)** with an inlet concentration of 8 ppm
- For maximum service life install a general purpose filter upstream of the oil removal filter.
- service life indicator turns from green to red when element needs to be replaced
- in-line or modular installation
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- inlet pressure: **250 PSI** and **150°F (66°C)**



Port Size	Flow (SCFM) Saturated	SCFM Dry	Automatic Drain Part #
3/8"	35	70	F74C-3A-MB
1/2"	35	75	F74C-4A-MB
1/2"	60	100	F74H-4A-MB
3/4"	60	120	F74H-6A-MB



See pages 422 to 427 for accessories.

FRL's are designed for air service only, unless otherwise indicated.

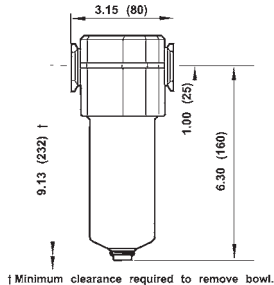
SCFM ratings at 90 PSIG inlet pressure.

LIBERTY EXHIBIT 1012, Page 412

F74 Oil Vapor Removal Filters

Features:

- provides air quality class 1 particulate removal per ISO 8573-1, when used with the F74C series
- Filter and element designs optimizes air velocity and contact time to reduce oil content of air leaving the filter to 0.003 ppm at **70°F (21°C)**.
- For maximum service life install a general purpose filter and an oil removal filter upstream of the oil vapor removal filter.
- Minimum service life of 400 hours can be expected if the vapor removal filter is protected upstream by an oil removal (coalescing) filter and if the filtration temperature is in the region of **70° to 80°F (21° to 26°C)**. Above this range, oil vapor content of compressed air increases substantially and element service life is reduced.
- Carbon cartridge element provides long service life.
- Activated carbon cartridge filter element absorbs oil vapors and removes most hydrocarbon odors.
- in-line or modular installation
- quick-release bayonet bowl
- inlet pressure: **250 PSI and 150°F (66°C)**
- metal bowl



Port Size	Flow (SCFM)	Automatic Drain with Metal Bowl Part #
3/8"	21	F74V-3A-MB
1/2"	21	F74V-4A-MB

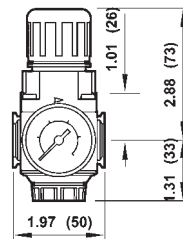
SCFM ratings at 90 PSIG inlet pressure.

R72 Sub-Compact Regulators

**Features:**

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- two full flow 1/8" NPT gauge ports
- RG models supplied with GC620 gauge
- To order 0-60 PSI range consult Dixon®.

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	70	R72G-2RG	R72G-2R
3/8"	70	R72G-3RG	R72G-3R

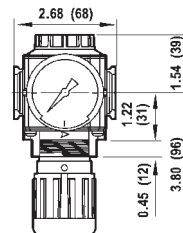


R73 Compact Regulators

**Features:**

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- relieving type
- two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge
- To order 0-60 PSI range consult Dixon®.

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	91	R73G-2RG	R73G-2R
3/8"	144	R73G-3RG	R73G-3R
1/2"	144	R73G-4RG	R73G-4R



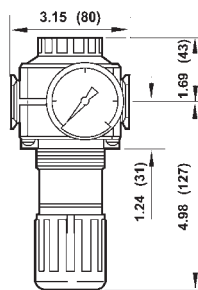
SCFM ratings given at 150 PSIG inlet pressure

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

R74 Standard Regulators



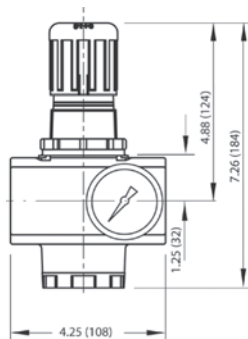
Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- in-line or modular installation
- relieving type
- two full flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge
- To order 0-60 PSI range consult Dixon®.

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
3/8"	208	R74G-3RG	R74G-3R
1/2"	220	R74G-4RG	R74G-4R
3/4"	220	R74G-6RG	R74G-6R

Pneumatic
Accessories

R17, R18 Jumbo Regulators

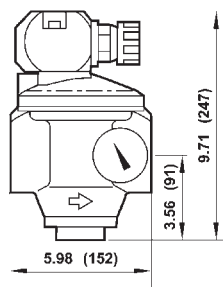


Features:

- pressure range 5-125 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **175°F (79°C)**
- in-line or modular installation
- relieving type
- two full-flow 1/4" NPT gauge ports
- RG models supplied with GC230 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
3/4"	440	R17-600RG	R17-600R
1"	480	R17-800RG	R17-800R
1 1/4"	400	R17-A00RG	R17-A00R
1 1/2"	440	R17-B00RG	R17-B00R

SCFM ratings given at 150 PSIG inlet pressure



Features:

- 5-125 PSI range
- inlet pressure: **450 PSI**
- maximum temperature: **175°F (79°C)**
- relieving type
- two full flow 1/4" NPT gauge ports
- RG model supplied with GC230 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
2"	2000	R18-C05RG	R18-C05R

SCFM ratings given at 100 PSIG inlet pressure



R11 General T-Handle Regulators

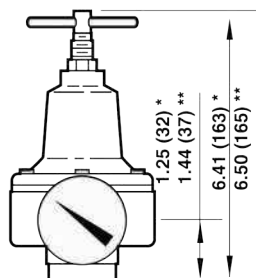
Floating valve pin provides positive seating and dependability. Large diaphragm provides quick response to flow demands and line pressure changes. Balanced valve reduces inlet pressure variations on outlet pressure.

Features:

- pressure range 5-125 PSI
- inlet pressure: **400 PSI**
- maximum temperature: **175°F (79°)**
- T-handle adjustment
- supplied with GC620 gauge

Port Size	Flow (SCFM)	with Gauge Part #
1/4"	110	R11-013RG
3/8"	110	R11-037RG
1/2"	260	R11-061RG

SCFM ratings at 150 PSIG.



See pages 422 to 427 for accessories.

! FRL's are designed for air service only, unless otherwise indicated.

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R72 Manifold Regulators

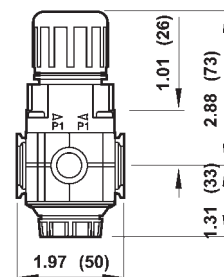
Manifold up to six regulators on a single air supply. Design allows in-line installation with hex nipple or modular installation with 72 Series accessories.

Features:

- pressure range 5-150 PSI
- inlet pressure: **300 PSI**
- maximum temperature: **150°F (66°C)**
- RG models supplied with GC620 gauge

Port Size	Flow (SCFM)	with Gauge Part #	without Gauge Part #
1/4"	83	R72M-2RG	R72M-2R
3/8"	83	R72M-3RG	R72M-3R

SCFM ratings at 150 PSIG.



R83 Cylinder Gas Regulator



Applications:

UL listed for service with Carbon Dioxide, water, pumped air, Nitrogen, Argon, Helium, Krypton, Neon and Xenon.

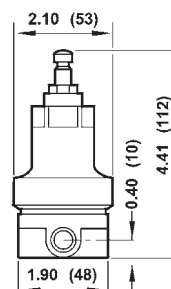
Not to be used with flammable gases.

Features:

- pressure range 5-125 PSI
- inlet pressure: **3000 PSI**
- maximum temperature: **140°F (60°C)**
- relieving type
- two ports for high pressure and two ports for service

Port Size	Flow (SCFM)	without Gauge Part #
1/4"	10	R83-200R

SCFM ratings given at 1000 PSIG inlet pressure.



R91 Miniature Water Regulator

Application:

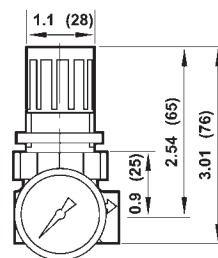
Designed for use with deionized water and potable water systems. Plastic and metal components in contact with fluid are approved by the National Sanitation Foundation (NSF) or meet Food and Drug Administration (FDA) recommendations for use in potable water systems.

Features:

- inlet pressure: **150 PSI**
- maximum temperature: **125°F (52°C)**
- non-relieving type
- supplied with GC620 gauge
- food grade elastomers

Port Size	Flow (GPM)	with Gauge Part #
1/4"	1.75	R91-221RG

Flow rating at 100 PSIG.



See pages 422 to 427 for accessories.

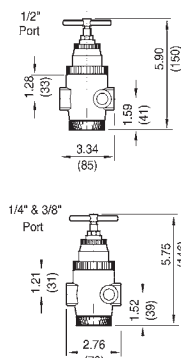


FRL's are designed for air service only, unless otherwise indicated.

R43 Water Pressure Regulators

Application:

Used in water systems to reduce and maintain pressure at a nearly constant level despite changes in the inlet pressure and changes in downstream flow requirements.



Features:

- pressure range 5-125 PSI
- inlet pressure: **400 PSI**
- T-handle adjustment
- brass body and aluminum bonnet
- non-relieving type
- gauge port is full-flow and can be used as an outlet port
- supplied with GC230 gauge
- temperature range:
 - water service: **35° to 200°F (2°C to 93°C)**
 - air service: **-30° to 200°F (-34°C to 93°C)**

Port Size	Flow (GPM)	with Gauge Part #
1/4"	5	R43-201RG
3/8"	5	R43-301RG
1/2"	10	R43-406RG

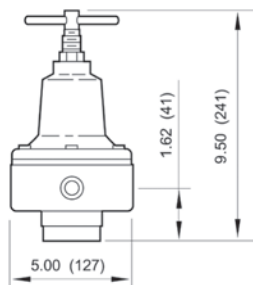


Pneumatic
Accessories

11-009 Water Regulators

Application:

Balanced valve minimizes effects of the inlet pressure variations on outlet pressure.



Features:

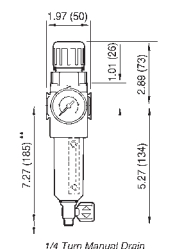
- inlet pressure: **400 PSI**
- T-handle adjustment
- non-relieving type
- body, valve and bottom plug are brass, bonnet is aluminum and steel
- elastomers are nitrile
- temperature range:
 - water service: **35° to 200°F (2° to 93°C)**
 - air service: **-30° to 200°F (-34° to 93°C)**

Port Size	Flow (GPM)	without Gauge Part #
3/4"	27.5	11-009-065
1"	27.5	11-009-081

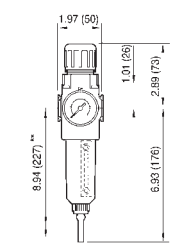


G

B72 Sub-Compact Filter / Regulators



1/4 Turn Manual Drain
** minimum clearance required to remove bowl



Semi auto Drain
** minimum clearance required to remove bowl

Features:

- particle removal per ISO 8573-1, Class 5 and Class 3
- pressure range 5-150 PSI
- in-line or modular installation
- 40 micron element
- 2 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC620 gauge
- inlet pressure:
 - transparent bowl: **150 PSI and 125°F (52°C)**
 - metal bowl: **250 PSI and 150°F (66°C)**

Transparent Bowl

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	80	B72G-2AG	B72G-2MG

Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Semi-Automatic Drain Part #	Manual Drain Part #
1/4"	80	B72G-2AG-MB	B72G-2MG-MB
3/8"		B72G-3AG-MB	B72G-3MG-MB



with transparent bowl



with metal bowl

See pages 422 to 427 for accessories.

! FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 150 PSIG inlet pressure.

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B73 Compact Filters / Regulators

Pneumatic
Accessories

with transparent bowl



with metal bowl

Features:

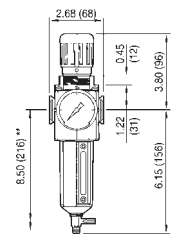
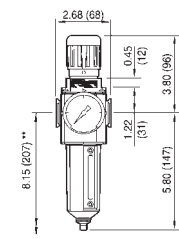
- particle removal per ISO 8573-1, Class 5 and Class 3
- pressure range 5-150 PSI
- in-line or modular installation
- 40 micron element
- 3.5 oz. reservoir
- quick-release bayonet bowl
- prismatic lens liquid level indicator
- supplied with GC230 gauge
- inlet pressure:
 - transparent bowl: **150 PSI and 125°F (52°C)**
 - metal bowl: **250 PSI and 175°F (79°C)**

Transparent Bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	78	B73G-2AG	B73G-2MG
3/8"	123	B73G-3AG	B73G-3MG
1/2"	123	B73G-4AG	B73G-4MG

Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	78	B73G-2AG-MB	B73G-2MG-MB
3/8"	123	B73G-3AG-MB	B73G-3MG-MB
1/2"	123	B73G-4AG-MB	B73G-4MG-MB

1/4 Turn Manual Drain
** minimum clearance required to remove bowlAutomatic Drain
** minimum clearance required to remove bowl

B74 Standard Filters / Regulators



with guard



with metal bowl

Features:

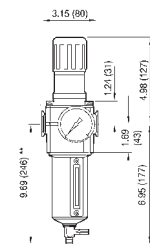
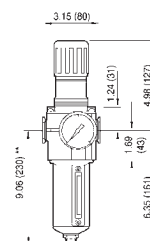
- pressure range 5-150 PSI
- 40 micron element
- 7 oz. reservoir
- relieving type
- supplied with GC230 gauge
- inlet pressure:
 - transparent bowl: **5-150 PSI and 125°F (52°C)**
 - metal bowl: **5-150 PSI and 175°F (79°C)**

Transparent Bowl and Guard

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/2"	212	B74G-4AG	B74G-4MG
3/4"	212	B74G-6AG	B74G-6MG

Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	163	B74G-3AG-MB	B74G-3MG-MB
1/2"	212	B74G-4AG-MB	B74G-4MG-MB
3/4"	212	B74G-6AG-MB	B74G-6MG-MB

Manual Drain
** minimum clearance required to remove bowlAutomatic Drain
** minimum clearance required to remove bowl

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 150 PSIG inlet pressure.

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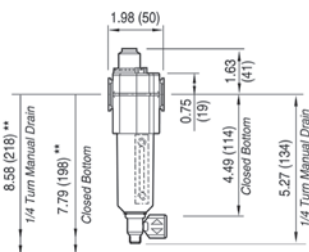
L72 Sub-Compact Micro-Fog Lubricators

Application:

- Micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.
- Micro-fog lubricators cannot be filled under pressure. 

Features:

- 2 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
 - transparent bowl: **150 PSI and 125°F (52°C)**
 - metal bowl: **250 PSI and 175°F (79°C)**



** minimum clearance required to remove bowl

Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	51	L72M-2	L72M-2MB

SCFM ratings given at 90 PSIG inlet pressure.

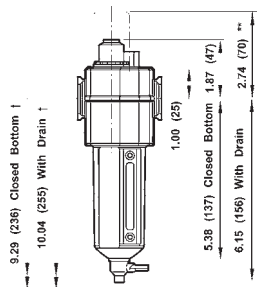


with transparent bowl

L73 Compact Micro-Fog Lubricators

Features:

- 4 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
 - transparent bowl: **150 PSI and 125°F (52°C)**
 - metal bowl: **250 PSI and 175°F (79°C)**



Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
1/4"	70	L73M-2	L73M-2MB
3/8"	70	L73M-3	L73M-3MB
1/2"	70	L73M-4	L73M-4MB

SCFM ratings given at 90 PSIG inlet pressure.



with transparent bowl

See pages 422 to 427 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

LIBERTY EXHIBIT 1012, Page 419

Applications:

- Micro-fog lubricators, identified by a red adjusting screw, are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.

The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.



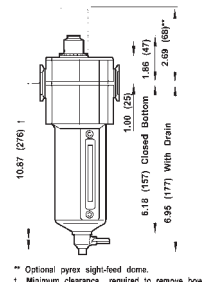
- *Micro-fog lubricators cannot be filled under pressure.*

L74 Standard Micro-Fog Lubricators**Features:**

- 7 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at **100°F (38°C)**
- maximum operating conditions:
 - transparent bowl: **150 PSI** and **125°F (52°C)**
 - metal bowl: **250 PSI** and **175°F (79°C)**



transparent bowl



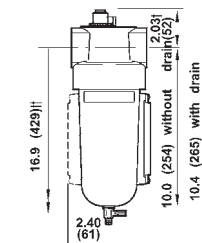
** Optional pyrex sight-feed dome.
† Minimum clearance required to remove bowl.

Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	114	L74M-3	L74M-3MB
1/2"	154	L74M-4	L74M-4MB
3/4"	142	L74M-6	L74M-6MB

SCFM ratings given at 90 PSIG inlet pressure.

L17 Jumbo Micro-Fog Lubricators**Features:**

- 1 qt. reservoir
- oil level sight gauge
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



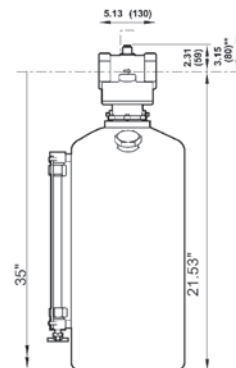
1 quart US (1 liter) reservoir
1/4 turn drain

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	L17-600A
1"	275	L17-800A
1 1/4"	275	L17-A00A
1 1/2"	275	L17-B00A

SCFM ratings given at 90 PSIG inlet pressure.

10-076 Jumbo General Purpose Oil-Fog Lubricators**Features:**

- 2 gallon reservoir
- oil flow can be positively set
- reservoir is ASME constructed
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**
- oil level sight gauge



2 and 5 gallon (8 and 20 liter) reservoir
** Optional pyrex sight-feed dome.
† Minimum clearance required to remove bowl.

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
2"	1000	10-076-004

See pages 422 to 427 for accessories.

See page 367 for air tool lubricant.

SCFM ratings given at 100 PSIG inlet pressure.



FRL's are designed for air service only, unless otherwise indicated.

LIBERTY EXHIBIT 1012, Page 420

Micro-Fog Lubricator with Pyrex Sight Feed Dome

Application:

- Designed for use with alcohol or other anti-freeze agents when units are installed in cold temperature environments.
- Micro-fog lubricators are used for applications containing one or more points of lubrication, cylinders and multiple or single tools.
- Air flow through the lubricator lifts oil from the reservoir to the sight-feed dome. Oil is dropped into the fog generator and atomized into a fine mist. Lightweight particles are delivered downstream for lubrication. Heavier particles fall back into the reservoir.

Features:

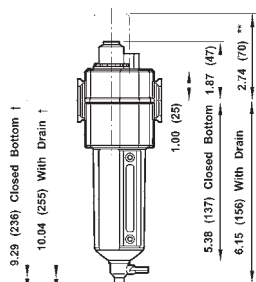
- high pressure sight feed dome with aluminum case and fluorocarbon O-rings and seals; high pressure sight glass on bowls and metal petcock drain
- The micro-fog lubricator delivers 10% of the oil drops visible through the transparent sight-feed dome.
- Micro-fog lubricators cannot be filled under pressure.*



Compact

Features:

- 4 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



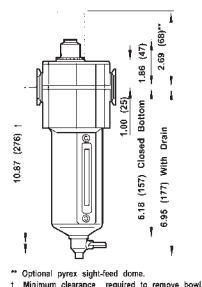
Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/8"	60	L73M-3MBPX
1/2"	60	L73M-4MBPX



Standard

Features:

- 7 oz. reservoir
- in-line or modular installation
- quick release bayonet bowl
- micro-fog design delivers aerosol mist
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



** Optional pyrex sight-feed dome.
1 Minimum clearance required to remove bowl.

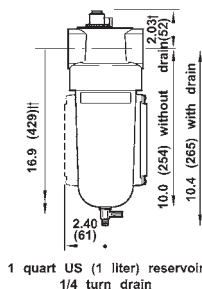
Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/8"	114	L74M-3MBPX
1/2"	154	L74M-4MBPX
3/4"	142	L74M-6MBPX



Jumbo

Features:

- 1 qt. reservoir
- oil level sight gauge
- particle removal per ISO 8573-1, class 5 and class 3
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**



1 quart US (1 liter) reservoir
1/4 turn drain

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
1"	275	L17-800APX



See pages 422 to 427 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

LIBERTY EXHIBIT 1012, Page 421

L74 Standard Oil-Fog Lubricators

Applications:

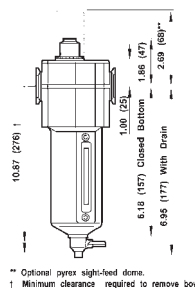
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as near the device as possible.

Features:

- all the oil visible dropping through the transparent sight-feed dome goes to the airstream
- L72C, L73C and L74C OIL-FOG lubricators can be filled under pressure
- in-line or modular installation
- quick release bayonet bowl
- can be filled under pressure
- recommended lubricants: misting type oil rated 50 to 200 SSU (ISO Grade 7 to 46) at 100°F
- maximum operating conditions:
 - transparent bowl: **150 PSI** and **125°F (52°C)**
 - metal bowl: **250 PSI** and **175°F (79°C)**
- 7 oz. reservoir



metal bowl



Port Size	Flow (SCFM)	Transparent Bowl Part #	Metal Bowl Part #
3/8"	118	L74C-3	L74C-3MB
1/2"	192	L74C-4	L74C-4MB
3/4"	186	L74C-6	L74C-6MB

L17 Jumbo Oil-Fog Lubricators

Application:

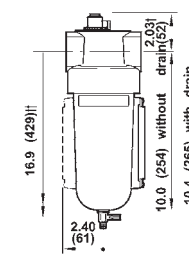
- Oil-fog lubricators, identified by a green adjusting screw, are used for lubricating a single air tool or air motor and should be installed as close to the device as possible.

Features:

- 1 qt. reservoir
- oil level sight gauge
- All the oil visible dropping through the transparent sight-feed dome goes to the airstream.
- one turn threaded bowl attachment permits easy maintenance
- inlet pressure: **250 PSI**
- maximum temperature: **175°F(79°C)**



metal bowl

1 quart US (1 liter) reservoir
1/4 turn drain

Port Size	Flow (SCFM)	Metal Bowl with Sight Glass Part #
3/4"	160	L17-600D
1"	275	L17-800D
1 1/2"	275	L17-B00D

See pages 422 to 427 for accessories.

See page 367 for air tool lubricant.



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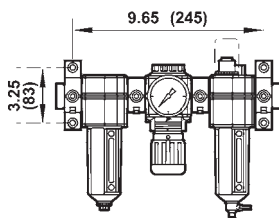
SCFM ratings given at 90 PSIG inlet pressure.

LIBERTY EXHIBIT 1012, Page 422

E73 Compact Combination Units

Features:

- 5-150 PSI range
- 4 oz. reservoir
- inlet pressure:
 - transparent bowl: **150 PSI** and **125°F (52°C)**
 - metal bowl: **250 PSI** and **175°F (79°C)**
- supplied with a G230 gauge
- connected modularly
- Includes 2 clamps and wall mounting brackets # 4314-52, 2 clamps # 4314-51 and 2 NPT pipe adapters #4315-01.



Transparent Bowl

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	70	E73-2A	E73-2M
3/8"	70	E73-3A	E73-3M
1/2"	70	E73-4A	E73-4M



metal bowls

Metal Bowl

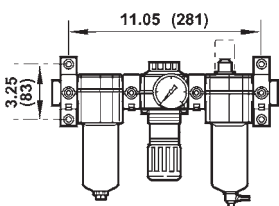
Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	70	E73-3A-MB	E73-3M-MB
1/2"	70	E73-4A-MB	E73-4M-MB

Pneumatic
Accessories

E74 Standard Combination Units

Features:

- pressure range 5-150 PSI
- 7 oz. reservoir
- inlet pressure:
 - transparent bowl: **150 PSI** and **125°F (52°C)**
 - metal bowl: **250 PSI** and **175°F (79°C)**
- models supplied with a GC230 gauge
- connected modularly
- Includes 2 clamps and wall mounting brackets # 4314-52, 2 clamps # 4314-51 and 2 NPT pipe adapters.



Transparent Bowl and Guard

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/2"	150	E74-4A	E74-4M
3/4"	140	E74-6A	E74-6M



transparent bowl with guard

Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/8"	110	E74-3A-MB	E74-3M-MB
1/2"	150	E74-4A-MB	E74-4M-MB
3/4"	140	E74-6A-MB	E74-6M-MB

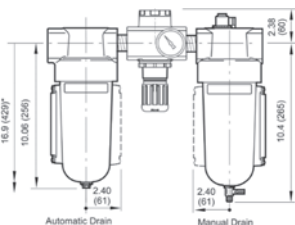
P8A Jumbo Combination Units

Features:

- pressure range 5-125 PSI
- 1 qt. reservoir
- inlet pressure: **250 PSI**
- maximum temperature: **175°F (79°C)**

Metal Bowl and Sight Glass

Port Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1"	275	P8A-860A	P8A-860M



with metal bowls

SCFM ratings given at 90 PSIG inlet pressure.



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LIBERTY EXHIBIT 1012, Page 423



17-016 Drip Leg Automatic Drain

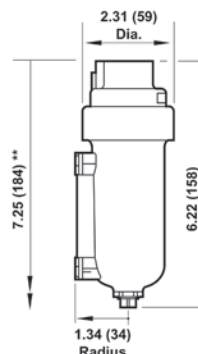
Application:

- Used in compressed air systems to automatically expel liquids from piping systems. Installed at low points in piping and at end of pipe network where water is likely to accumulate.

Features:

- metal bowl
- drain is ported to 1/8" NPT
- inlet pressure: **250 PSIG**
- maximum temperature: **175°F (79°C)**

Port Size	Part #
1/2"	17-016-107



** Minimum clearance to remove bowl.

Filter Elements



5 micron element
5925-03

Used On	Description	Part #
F07	5 micron	3652-11
F08	5 micron 40 micron	3161-16 3161-18
F17	5 micron bronze 25 micron bronze 40 micron bronze	5311-01 5311-02 5311-03
F18	5 micron bronze 25 micron bronze 50 micron bronze	5882-11 5882-12 5882-13
F72	5 micron 40 micron	5925-03 5925-02
F73	5 micron 40 micron	4438-01 4438-03
F74	5 micron 40 micron	4338-04 4338-05

Filter Bowl / Bowl Guards



transparent bowl and guard
4325-51R

Used On	Description	Part #
F07	polycarbonate bowl with auto drain polycarbonate bowl with manual drain	3646-51 3646-53
F08	transparent bowl with manual drain	3776-50
F17	metal bowl with petcock drain	5390-77
F72	transparent bowl with manual drain transparent bowl with semi-automatic drain	4266-50RF 4266-52RF
F73	transparent bowl with manual drain, 1/4 turn transparent bowl with auto drain	4425-50RF 4425-51RF
F74	plastic bowl assembly with guard and 1/4 turn manual drain plastic bowl assembly with guard and automatic drain	4325-51R 4325-52R

Filter Drains

Used On	Description	Part #
F17,F74	auto drain	3000-10
	manual drain	619-50
	manual drain assembly	2796-52
F72,F73	auto drain	4000-51R
F72,F73 F74	manual drain	619-50

Pneumatic
Accessories

Filter Lens Kits

Used On	Description	Part #
F72	liquid level lens kit	4380-020
F73	liquid level lens kit	4380-030
F74	high pressure dome sight glass kit	4380-051



Filter Indicator Conversion Kit

Features:

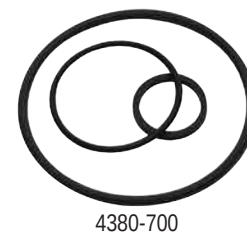
- allows addition of service life indicator in the field
- for general purpose and oil removal filters

Used On	Description	Part #
F72,F73,F74	service life indicator	5797-50



Filter Service Kit

Used On	Description	Part #
F17	O-rings, seals, and gaskets	5578-05
F18		5945-50
F73		4380-600
F74		4380-700



Filter Oil / Vapor Removal Filters

Used On	Description	Part #
F74C	oil removal filter	4344-01
F74H	oil removal filter	4344-02
F74V	vapor removal filter	4341-01



Regulator Springs



4432-02

Used On	Pressure Ratings	Part #
R74	5-60 PSI 5-150 PSI	4332-01 4332-02

Tamper Resistant Covers

Features:

- helps prevent unauthorized pressure adjustment setting
- cover can be locked in place with up to four padlocks
- installs on adjusting knob



Used On	Description	Part #
R72	tamper resistant cover with seal wire	4255-51
R73	tamper resistant cover with seal wire	4455-51
R74	tamper resistant cover with seal wire	4355-51

Regulator Panel Nuts



panel nut

Used On	Description	Part #
R07	plastic panel nut	2962-89
R08	plastic panel nut	5191-89
R17	metal panel nut	5226-97
R72	plastic panel nut	4248-89
R73	zinc panel nut	5191-88
R74	zinc panel nut	4348-89

Regulator Diaphragm Relieving Kits



3407-02



4381-700

Used On	Description	Part #
R07	diaphragm, relieving	3407-02
R08		5298-14
R11		529-03
R17		5578-02
R72		4381-500
R73		4381-600
R74		4381-700

Lubricator Bowl / Bowl Guards

Used On	Description	Part #
L07	polycarbonate bowl with manual drain	3646-54
L73	transparent bowl with manual drain	4425-50RL
L74	metal bowl with liquid level indicator and ¼ turn manual drain	4303-77R
	transparent bowl with manual drain	4325-50R



3646-54

Pneumatic
Accessories

Seal Wire

Features:

- provides tamper resistant protection of the lubricator drip rate setting

Used On	Description	Part #
L73, L74	metal wire	2117-01



seal wire

Domes, Caps and Plugs

Used On	Description	Part #
L08	quick fill cap	18-011-024
L17, L74	quick fill cap	18-011-021
L73, L74	aluminum fill plug	5301-55
L17, L72, L73, L74	sight feed dome (micro-fogging design)	4055-50
L72, L74	sight feed dome (oil-fogging design)	4055-51
L74	high pressure sight feed dome	5605-50
	liquid level indicator repair kit	4380-050



18-011-021



5605-50

G

Lubricator Seal Kits

Used On	Description	Part #
L17	O-rings, seals, and gaskets	5771-02
L73		4382-600
L74		4382-700



5771-02

Quick Clamps and Brackets

Features:

Quick-clamp

- provides modular installation capability
- flanges designated to slide into V grooves in clamp
- face-sealing O-rings provide a positive seal when clamp is closed and screw tightened

Bracket for quick-clamp

- provides secure mounting to a wall, machine panel or other flat surface



Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72	quick-clamp	4214-51
F72	quick-clamp service kit (2 O-rings)	4384-570
R72	quick-clamp and bracket assembly	4214-52
F73, F74, R73, R74, L72, L73	quick-clamp	4314-51
	quick-clamp service kit (2 O-rings)	4384-770
	wall bracket for quick-clamp (uses 7/32" screws)	4313-50
	quick-clamp and bracket assembly	4314-52

Blocks

Features:

- installed with quick-clamps
- provides additional outlets and manifolding capability



Used On Filter/ Regulator/ Lubricator Series	Description	Part #
F73, F74, R73, R74, L73, L74	porting block, three 1/4" PTF outlets	4316-50
	manifold block, three 3/4" PTF outlets	4328-50

Pipe Adapters

Features:

- installed with quick-clamps
- provides PTF connections to system piping
- sold individually



Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	1/4" PTF connections	4215-02
	3/8" PTF connections	4215-03
F73, F74, R73, R74, L73, L74	1/4" PTF connections	4315-01
	3/8" PTF connections	4315-02
	1/2" PTF connections	4315-03
	3/4" PTF connections	4315-04

- Used on Filters / Regulators / Lubricator series

Mounting Brackets

Used On	Description	Part #
F07	mounting bracket only	5939-06
L07	mounting bracket only	5095-17
F17, L17	mounting bracket kit for 3/4" and 1" ported units	6212-50

Pneumatic
Accessories

Wall Mounting Brackets

Features:

- alternate to quick-clamps and pipe adapters
- used to secure to a wall, machine panel or other flat surface
- Use close nipples on page 662 to connect combination unit and then place in bracket.

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
L72, F72, R72	wall mounting bracket for all F72 series	4224-50
L73, F73, R72	wall mounting bracket for all F73 series	4424-50
L74, F74, R74	wall mounting bracket for all F74 series	4324-50



Regulator Mounting Brackets

Used On Filter/ Regulator/ Lubricator Series	Description	Part #
B07, R07 B08, R08 R17	mounting bracket with plastic panel nut	18-025-003 5203-06 5570-04



Watts Filters



Polycarbonate bowl with guard

F602 Compact

Features:

- 40 micron polypropylene element
- 4.4 oz. bowl
- zinc body
- maximum operating:
 - temperature range: **40°F (4°C) to 125°F (52°C)**
 - maximum pressure: **150 PSIG (10.2 bar)**

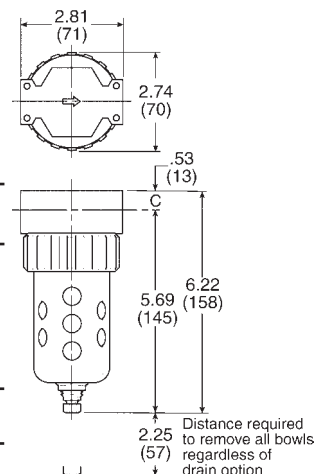
Polycarbonate Bowl with Metal Bowl Guard

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	53	F602-02BJR	F602-02BJ
3/8"	80	F602-03BJR	F602-03BJ
1/2"	85	F602-04BJR	F602-04BJ

Zinc Bowl with Sight Glass

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	53	F602-028A	F602-024A
3/8"	80	F602-038A	F602-034A
1/2"	85	F602-048A	F602-044A

SCFM ratings given at 90 PSIG inlet pressure.



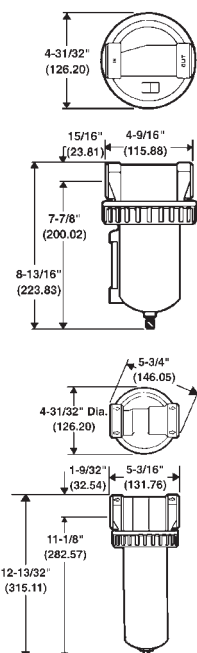
F602 Hi-Flow

Features:

- 40 micron polypropylene element
- automatic drain operating conditions:
 - temperature range: **40°F (4°C) to 120°F (49°C)**
 - maximum operating: **175 PSIG (12 bar)**
- manual drain operating conditions:
 - temperature range: **40°F (4°C) to 150°F (66°C)**
 - maximum operating: **250 PSIG (17 bar)**

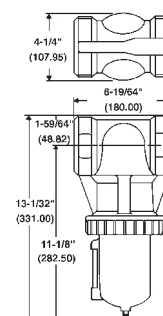
Zinc Body with Sight Glass and 16" Bowl

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/4"	270	F602-06WJR	F602-06WJ
1"	300	F602-08WJR	F602-08WJ
1 1/2"	450	F602-12WJR	F602-12WJ



Aluminum Body with 26" Bowl

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
2"	1200	F602-16WJR	F602-16WJ



See pages 433 to 434 for accessories.

! FRL's are designed for air service only, unless otherwise indicated.

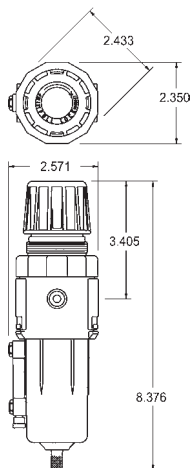
SCFM ratings given at 90 PSIG inlet pressure.

Watts Filters/Regulators

B11 Compact

Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- temperature range: **40°F (4°C) to 120°F (49°C)**
- 40 micron filter
- 4 oz. bowl
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- glass-filled acetal plastic spring cage
- tamper resistant, snap lock, removable knobs
- uses a GC230 gauge (not supplied)



Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	60	B11-02WJCR	B11-02WJC
3/8"	70	B11-03WJCR	B11-03WJC
1/2"	80	B11-04WJCR	B11-04WJC

SCFM ratings given at 100 PSIG inlet pressure.



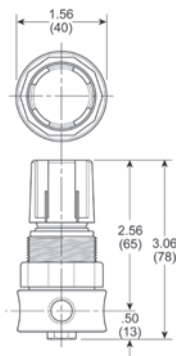
Pneumatic
Accessories

Watts Regulators

R643 Miniature

Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- relieving type
- diaphragm operated
- non-rising adjusting knob
- 1/8" gauge port



Size	Flow (SCFM)	Body Material	With Gauge Part #	Without Gauge Part #
1/4"	10	brass	R364-02CG	R364-02C
		aluminum	R374-02CG	R374-02C

SCFM ratings given at 100 PSIG inlet pressure.



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See pages 433 to 434 for accessories.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 100 PSIG inlet pressure.

LIBERTY EXHIBIT 1012, Page 431

Watts Regulators



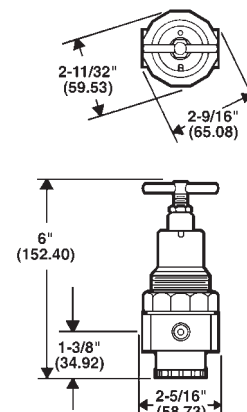
R11 Compact

Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- uses a GC230 gauge

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/4"	80	R11-02CG	R11-02C
3/8"	80	R11-03CG	R11-03C
1/2"	100	R11-04CG	R11-04C

SCFM ratings given at 100 PSIG inlet pressure.



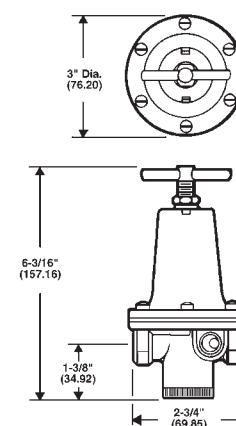
R119 Standard

Features:

- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- brass bottom plug
- aluminum spring cage
- uses a GC230 gauge

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
1/4"	100	R119-02CG	R119-02C
3/8"	110	R119-03CG	R119-03C
1/2"	150	R119-04CG	R119-04C

SCFM ratings given at 100 PSIG inlet pressure.



R119 High-Flow

Features:

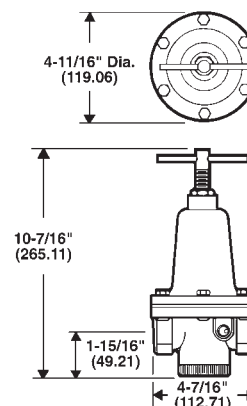
- pressure range **2 - 125 PSIG** (.15 - 8.5 bar)
- inlet pressure: **300 PSIG** (20.4 bar) maximum
- temperature range: **40°F (4°C) to 120°F (49°C)**
- zinc body
- relieving type
- diaphragm operated
- spring adjustment mechanism
- t-handle design
- acetal bottom plug
- aluminum spring cage
- uses a GC230 gauge

Size	Flow (SCFM)	With Gauge Part #	Without Gauge Part #
3/4"	300	R119-06CG	R119-06C
1"	400	R119-08CG	R119-08C
1 1/2"	500	R119-12CG	R119-12C

SCFM ratings given at 100 PSIG inlet pressure.

See pages 433 to 434 for accessories.

FRL's are designed for air service only, unless otherwise indicated.



Watts Lubricators

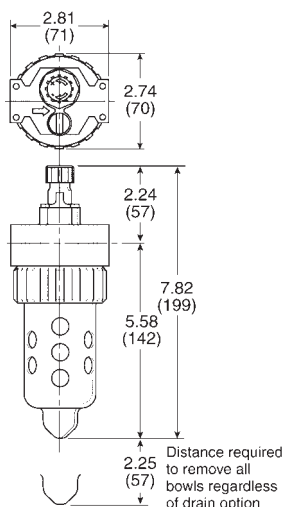
General Features:

- general purpose use
- high performance over a very wide flow range

L606 Compact

Features:

- 2.6 oz. bowl
- zinc body
- micromist
- maximum operating conditions:
 - temperature range: **40°F (4°C) to 125°F (52°C)**
 - maximum operating pressure: **150 PSIG (10.2 bar)**



Size	Flow (SCFM)	Polycarbonate Bowl with Metal Bowl Guard Part #	Zinc Bowl Sight Glass with Twist Drain Part #
1/4"	40	L606-02B	L606-024B
3/8"	60	L606-03B	L606-034B
1/2"	90	L606-04B	L606-044B

SCFM ratings given at 90 PSIG inlet pressure.



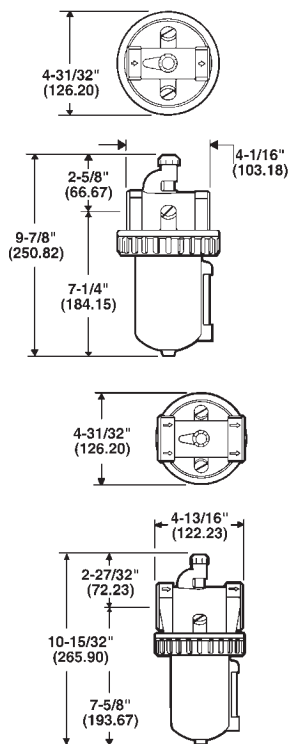
Polycarbonate bowl with guard

Pneumatic
Accessories

L606 Standard

Features:

- 16 oz. bowl
- zinc body
- maximum operating conditions:
 - temperature range: **40°F (4°C) to 150°F (66°C)**
 - maximum operating pressure: **250 PSIG (17 bar)**
- 3/4", 1" and 1 1/2" are fillable while under pressure



Size	Flow (SCFM)	Zinc Bowl with Sight Glass Part #
3/4"	325	L606-06W
1"	350	L606-08W
1 1/2"	400	L606-12W



L606-12W

See pages 433 to 434 for accessories.

See page 367 for air tool lubricant.



FRL's are designed for air service only, unless otherwise indicated.

SCFM ratings given at 90 PSIG inlet pressure.

LIBERTY EXHIBIT 1012, Page 433

Watts Combination Units

C11 Compact

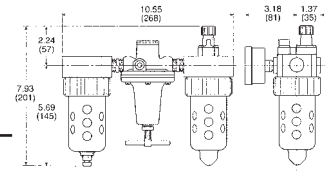
Features:

- 4.5 oz. bowl
- 40 micron polypropylene element
- zinc body
- maximum operating conditions:
 - temperature range: **40°F to 120°F (4°C to 49°C)**
 - maximum operating pressure: **150 PSIG (10.2 bar)**

Polycarbonate Bowl with Metal Bowl Guard

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
1/4"	40	C11-02A	C11-02M
3/8"	60	C11-03A	C11-03M
1/2"	85	C119-04A	C119-04M

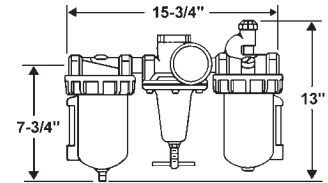
SCFM ratings given at 90 PSIG inlet pressure.

Pneumatic
Accessories

C119 Standard

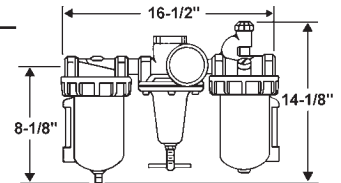
Features:

- 16 oz. bowl
- 40 micron polypropylene element
- zinc body
- maximum operating conditions:
 - temperature range: **40°F to 150°F (4°C to 66°C)**
 - maximum operating pressure: **250 PSIG (17 bar)**



Zinc Bowl with Sight Glass

Size	Flow (SCFM)	Automatic Drain Part #	Manual Drain Part #
3/4"	275	C119-06AMB	C119-06MMB
1"	320	C119-08AMB	C119-08MMB
1 1/2"	550	C119-12AMB	C119-12MMB



FRL's are designed for air service only, unless otherwise indicated.

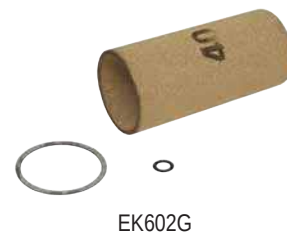
SCFM ratings given at 90 PSIG inlet pressure.

LIBERTY EXHIBIT 1012, Page 434

Watts Kits & Accessories

Filter Elements

Used On	Description	Part #
F602-02, F602-03, F602-04	40 micron	PS701
F602-06, F602-08, F602-12	5 micron	EK602VB
F602-06, F602-08, F602-12	40 micron	EK602B
F602-16	40 micron	EK602G

Pneumatic
Accessories

Bowl with Twist Drain

Used On	Description	Part #
F602-02 F602-03 F602-04	polycarbonate bowl with twist drain	PS732



Filter Drains

Used On	Description	Part #
F602, F602-03, F602-04	auto float drain	PS506
	twist drain	PS512



Watts Kits & Accessories

Regulator Repair Kits

Pneumatic
Accessories

Used On	Description	Part #
R11	relieving diaphragm, valve assembly	RKR10Y
R119-02		RK119Y
R119-03		
R119-04		RK119A
R119-06		RK119B
R119-08		
R119-12		RK119D
R364-02		RKR164Y

Lubricant Repair Kit



Used On	Description	Part #
L606-06 L606-08 L606-12	sight glass	RKB605WB

Lubricator Mounting Brackets



Used On	Description	Part #
L606-02, F602-02, L606-03, F602-03, L606-04, F602-04	mounting bracket	PS743
F602 3/4", L606-06, F602-06	mounting bracket (2 required)	SA200AW57
F602 1", L606-08, F602-08	mounting bracket (2 required)	SA200CW57

Regulator Mounting Brackets



SA10Y57



SA15Y57

Used On	Description	Part #
R11, B11	mounting bracket with panel nut	SAR10Y57
R119-02 R119-03	mounting bracket	SA15Y57
R119-04	mounting bracket	18A57
R119-06 R119-08 R119-12	mounting bracket	18B57
R364-02	mounting bracket with panel nut	SA161X57

Dixon® Gauges

Applications:

- All of the gauges supplied by Dixon® are designed for long, reliable service under rugged conditions. Typical applications include those on pumps, hydraulic and pneumatic systems, compressors, machine tools and many other installations where it is necessary to have a gauge with a non-corrosive movement. The gauges available include standard dry and liquid-filled pressure gauges, compound pressure gauges, vacuum gauges and welding gauges. Materials available include brass, stainless steel and plastic.

Fig. Inter. - Figure Interval. (Increments between PSI numbers on gauge face.)

Grad. Inter. - Graduation Interval. (Fractional increments between PSI numbers on gauge face.)

ABS Standard Dry Gauges

Features:

- ASME B40.1, Grade B (± 3 -2-3% accuracy)
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration and pulsation.
- ABS plastic case, corrosion resistant
- c-shaped bronze safety bourdon tube (600 PSI and lower)
- helical wound bronze safety bourdon tube (1000 PSI and higher)
- polycarbonate window
- black aluminum pointer
- ambient temperature range: -40°F to 150°F (-40°C to 66°C)

Center Back Mounts

PSI Range	Fig. Inter.	Minor Grad.	1½" Face ⅛" Center Back Mount Part #	2" Face ¼" Center Back Mount Part #
0-15	1	.5	---	GC200
0-30	5	.5	GC605	GC215
0-60	5	1	GC610	GC220
0-100	10	2	GC615	GC225
0-160	20	5	GC620	GC230
0-200	20	5	GC625	GC235
0-300	30	5	---	GC240



GC230

Lower Mounts

PSI Range	Fig. Inter.	Minor Grad.	2" face, ¼" lower mount Part #	2½" face ¼" lower mount Part #	3½" face ¼" lower mount Part #
0-15	1	.5	GL100	GL300	GS15-4
0-30	5	.5	GL115	GL320	GS30-4
0-60	5	1	GL120	GL325	GS60-4
0-100	10	2	GL125	GL330	GS100-4
0-160	20	5	GL130	GL335	GS160-4
0-200	20	5	GL135	GL340	GS200-4
0-300	30	5	GL140	GL345	GS300-4
0-400	50	10	---	GL347	GS400-4
0-600	50	10	---	GL350	GS600-4
0-1000	200	20	---	GL355	GS1000-4
0-1500	300	50	---	GL360	---
0-2000	400	50	---	GL365	---
0-3000	500	100	---	GL370	---
0-5000	1000	100	---	GL375	---



GL140

Stainless Steel Dry Gauges

Applications:

- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

Features:

- $\pm 2-1-2\%$ accuracy
- 304 stainless steel case and crimp ring
- polycarbonate window
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 316 stainless bourdon tube and socket
- ambient temperature range: -40°F to 140°F (-40°C to 60°C)



GSS100

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-15	3	.2	GSS15
0-30	5	.5	GSS30
0-60	10	1	GSS60
0-100	20	2	GSS100
0-160	20	2	GSS160
0-200	50	5	GSS200
0-300	50	5	GSS300
0-400	100	10	GSS400
0-600	100	10	GSS600
0-1000	200	20	GSS1000
0-1500	300	20	GSS1500
0-2000	500	50	GSS2000
0-3000	500	50	GSS3000
0-5000	1000	100	GSS5000
0-10000	2000	200	GSS10000

Features:

- 1.6% accuracy, exceeds ASME B.40.100 Grade B
- 304 series stainless case
- polycarbonate window, $3\frac{1}{2}$ " across
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 316L stainless bourdon tube and socket, polyester segment
- temperature range: -40°F to 140°F (-40°C to 60°C)



GSS160-4

PSI Range	Fig. Inter.	Minor Grad.	4" Face ¼" Lower Mount Part #
0-15	3	.5	GSS15-4
0-30	5	.5	GSS30-4
0-60	10	1	GSS60-4
0-100	20	2	GSS100-4
0-160	20	2	GSS160-4
0-200	40	5	GSS200-4
0-300	50	5	GSS300-4
0-400	50	10	GSS400-4
0-600	100	10	GSS600-4
0-1000	200	10	GSS1000-4
0-1500	200	20	GSS1500-4
0-3000	500	50	GSS3000-4
0-5000	1000	100	GSS5000-4
0-10000	2000	200	GSS10000-4

Brass Standard Dry Gauges

Features:

- ASME B40.100 Grade B ($\pm 3/2/3\%$ accuracy)
- polished brass case and ring
- copper alloy bourdon tube
- dual PSI / kPa scale dial
- temperature range **-40°F to 140°F (-40°C to 60°C)**

PSI Range	Fig. Inter.	Grad. Inter.	2½" Face ¼" Lower Mount Part #
0-15	3	.2	GBR15
0-30	5	.5	GBR30
0-60	10	1	GBR60
0-100	20	2	GBR100
0-160	20	2	GBR160
0-200	50	5	GBR200
0-300	50	5	GBR300
0-400	100	10	GBR400
0-600	100	10	GBR600
0-1000	200	20	GBR1000
0-1500	300	20	GBR1500
0-2000	500	50	GBR2000
0-3000	500	50	GBR3000
0-5000	1000	100	GBR5000


Pneumatic
Accessories

Process Gauges

Applications:

- Specifically designed for process, chemical and petroleum industries. Process gauges are engineered to deliver years of accurate service while withstanding vibration, corrosive media and corrosive atmosphere.

Features:

- temperature range: dry **-40°F to 200°F (-40°C to 93°C)**
- case: black impact resistant thermoplastic, with safety blowout back, solid front, integral back flange (dry)
- ring: ethylene propylene
- wetted parts: 316L stainless steel
- window: polycarbonate
- dial: white aluminum
- pointer: black aluminum
- accuracy: $\pm 0.5\%$ ANSI/ASME Grade 2A
- scale: single scale PSI only

PSI Range	Fig. Inter.	Grad. Inter.	4½" Face ½" Lower Mount Part #
0-30	5	.2	PGS30
0-60	10	.5	PGS60
0-100	10	1	PGS100
0-160	20	1	PGS160
0-200	20	2	PGS200
0-300	50	2	PGS300
0-600	10	5	PGS600
0-1000	100	10	PGS1000



FlutterGuard™ Dry Gauges

Features:

- FlutterGuard™ virtually eliminates pointer flutter, making the gauge easier to read and reducing excessive movement wear. Liquid-free casing results in lighter weight and eliminates the chance of gauge leakage.
- ASME B40.1, Grade B ($\pm 3-2-3\%$ accuracy)
- ABS plastic case, corrosion resistant
- C-shaped bronze safety bourdon tube (600 PSI gauges and lower)
- helical wound bronze safety bourdon tube (1000 PSI gauges and higher)
- polycarbonate window
- black aluminum pointer
- PowerFlex™ movement with polyester segment, designed to resist the effects of shock, vibration and pulsation.
- ambient temperature range of **-40°F to 150°F (-40°C to 66°C)**



PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-15	1	.5	GL300FG
0-30	5	.5	GL320FG
0-60	5	1	GL325FG
0-100	10	2	GL330FG
0-160	20	5	GL335FG
0-200	20	5	GL340FG
0-300	30	5	GL345FG
0-400	50	10	GL347FG
0-600	50	10	GL350FG
0-1000	200	20	GL355FG
0-1500	300	50	GL360FG
0-2000	400	50	GL365FG
0-3000	500	100	GL370FG
0-5000	1000	100	GL375FG

Stainless Panel Builder Gauges

Applications:

- fits industry standard 2.56" panel hole cutout
- suitable for corrosive environments
- used in gaseous and liquid media

Features:

- ASME B40.100 Grade A $\pm 2-1-2\%$ full scale accuracy
- 316L stainless steel wetted parts
- 304 stainless steel case and ring
- white aluminum with black lettering; stop pin
- black aluminum pointer
- glycerin filled case
- laminated safety glass window lens
- ambient temperature range: -4°F to 140°F (-20°C to 60°C)
- maximum media temperature 212°F maximum

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Back Mount Part #
0-15	3	.2	<i>PBLSS15</i>
0-30	5	.5	<i>PBLSS30</i>
0-60	10	1	<i>PBLSS60</i>
0-100	20	2	<i>PBLSS100</i>
0-160	20	2	<i>PBLSS160</i>
0-200	50	5	<i>PBLSS200</i>
0-300	50	5	<i>PBLSS300</i>
0-400	100	10	<i>PBLSS400</i>
0-600	100	10	<i>PBLSS600</i>
0-800	200	20	<i>PBLSS800</i>
0-1000	200	20	<i>PBLSS1000</i>
0-1500	300	20	<i>PBLSS1500</i>
0-2000	500	50	<i>PBLSS2000</i>
0-3000	500	50	<i>PBLSS3000</i>
0-5000	1000	100	<i>PBLSS5000</i>



Contractor Pressure Gauges

Features:

- accuracy class: $\pm 1\%$ of span
- wetted parts: copper alloy
- window: acrylic, snap in
- dial: aluminum, white
- pointer: aluminum, black, adjustable
- mounting flanged/bracket; rear flange: stainless steel
- case: stainless steel

PSI Range	4½" face, ¼" Lower Mount Part #
0-15	<i>4277750-0001</i>
0-30	<i>4277768-0001</i>
0-60	<i>4277776-0003</i>





Compound Gauges

Features:

- ASME B40.1, Grade B accuracy ($\pm 3-2-3$ % accuracy)
- ABS plastic case, corrosion resistant
- bronze bourdon tube / brass socket
- polycarbonate window
- black aluminum pointer
- Powerflex movement with polyester segment, designed for extended wear
- temperature range of **-40°F to 150°F (-40°C to 66°C)**

Mercury (Hg)	PSI Range	Fig. Inter. (Hg / PSI)	Minor Grad. (Hg / PSI)	2½" Face ¼" Center Back Mount Part #	2½" Face ¼" Lower Mount Part #
30"	0-100	30 / 10	5 / 2	---	GL310
	0-160	30 / 20	5 / 5	GC210	---
	0-160	30 / 20	10 / 10	---	GL110
	0-200	30 / 20	10 / 10	---	GL315

Vacuum Gauges

Features:

- ASME B40.1, Grade B accuracy ($\pm 3-2-3$ % accuracy)
- ABS plastic case
- bronze bourdon tube
- polycarbonate crystal
- black aluminum pointer
- Powerflex movement with polyester segment, designed for extended wear
- temperature range: **-40°F to 150°F (-40°C to 66°C)**



Mercury (Hg)	Fig. Inter. (Hg / PSI)	Minor Grad. (Hg / PSI)	2" Face ¼" Lower Mount Part #	2" Face ¼" Center Back Mount Part #	2½" Face ¼" Lower Mount Part #
30"	5"	.5"	GL105	GC205	GL305

ABS Case Liquid Filled Gauges

Feature:

- ASME B40.100, Grade B (± 3 -2-3% accuracy)

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-15	3	.2	GLP500
0-30	5	.5	GLP505
0-60	10	1	GLP510
0-100	20	2	GLP515
0-160	20	2	GLP517
0-200	50	5	GLP520
0-300	50	5	GLP525
0-400	100	10	GLP527
0-600	100	10	GLP530
0-1000	200	20	GLP535
0-1500	300	20	GLP540
0-2000	500	50	GLP545
0-3000	500	50	GLP550
0-5000	1000	100	GLP555

Pneumatic
Accessories

Stainless Case Liquid Filled Gauges

Features:

- PowerFlex™ movement with polyester segment designed to resist the effects of shock, vibration and pulsation.
- ASME B40.100, Grade A (± 2 -1-2% accuracy)
- copper alloy bourdon tube
- white aluminum dial with black numbers and black aluminum pointer
- ¼" NPT brass connection
- glycerin filled
- polycarbonate window
- temperature range: -4°F to 150°F (-20°C to 65°C)

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Center Back Mount Part #	2½" Face, ¼" Lower Mount Part #
0-15	3	.5	GLSC400	GLS400
0-30	5	.5	GLSC405	GLS405
0-60	10	1	GLSC410	GLS410
0-100	20	2	GLSC415	GLS415
0-160	20	2	GLSC417	GLS417
0-200	40	5	GLSC420	GLS420
0-300	50	5	GLSC425	GLS425
0-400	50	5	GLSC427	GLS427
0-600	100	10	GLSC430	GLS430
0-1000	200	10	GLSC435	GLS435
0-1500	300	50	GLSC440	GLS440
0-2000	400	20	GLSC445	GLS445
0-3000	500	50	GLSC450	GLS450
0-5000	1000	100	GLSC455	GLS455



GLSC420



GLS430

Stainless Steel Liquid Filled Gauges

Applications:

Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

Features:

- $\pm 2-1-2\%$ accuracy
- polycarbonate window
- $\frac{1}{4}$ " NPT lower mount stainless connector
- 304 stainless case and crimp ring
- glycerin filled
- ambient temperature range: -4°F to 140°F (-20°C to 60°C)



GLSS1500

PSI Range	Fig. Inter.	Minor Grad.	2 1/2" Face 1/4" Lower Mount Part #
0-15	3	.2	GLSS15
0-30	5	.5	GLSS30
0-60	10	1	GLSS60
0-100	20	2	GLSS100
0-160	20	2	GLSS160
0-200	50	5	GLSS200
0-300	50	5	GLSS300
0-400	100	10	GLSS400
0-600	100	10	GLSS600
0-1000	200	20	GLSS1000
0-1500	300	20	GLSS1500
0-2000	500	50	GLSS2000
0-3000	500	50	GLSS3000
0-5000	1000	100	GLSS5000
0-10000	2000	200	GLSS10000

All Stainless Steel Liquid Filled Gauges

Applications:

- Designed for severe service applications, providing the corrosion resistance and durability of a permanently sealed gauge.

Features:

- $\pm 2-1-2\%$ accuracy
- polycarbonate window
- $\frac{1}{4}$ " NPT center back mount stainless connector
- 304 stainless case and crimp ring
- glycerin filled
- ambient temperature range: -4°F to 140°F (-20°C to 60°C)



PSI Range	Fig. Inter.	Minor Grad.	2 1/2" Face 1/4" Center Back Mount Part #
0-100	20	2	GLSSC100
0-160	20	2	GLSSC160
0-200	50	5	GLSSC200

Brass Liquid Filled Gauges

Features:

- $\pm 2-1-2\%$ accuracy on 2½"; $\pm 1\%$ accuracy on 4"
- acrylic window with membrane assembly
- copper alloy bourdon tube
- brass movement with highly polished bearing surfaces
- glycerin filled
- 2½" face gauges: solid cast brass case with polished ABS cover ring
- 4" face gauges: cast brass, silver painted case with chrome plated brass cover ring
- ambient temperature range: -4°F to 140°F (-20°C to 60°C)

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #	2½" Face ¼" Center Back Mount Part #	4" Face ½" Lower Mount Part #
0-15	3	.2	GLBR15	GLBRC15	GLBR15-4
0-30	5	.5	GLBR30	GLBRC30	GLBR30-4
0-60	10	1	GLBR60	GLBRC60	GLBR60-4
0-100	10	1	GLBR100	GLBRC100	GLBR100-4
0-160	20	2	GLBR160	GLBRC160	GLBR160-4
0-200	20	2	GLBR200	GLBRC200	GLBR200-4
0-300	50	5	GLBR300	GLBRC300	GLBR300-4
0-400	50	5	GLBR400	GLBRC400	GLBR400-4
0-600	100	10	GLBR600	GLBRC600	GLBR600-4
0-1000	100	10	GLBR1000	GLBRC1000	GLBR1000-4
0-1500	300	20	GLBR1500	GLBRC1500	GLBR1500-4
0-2000	200	20	GLBR2000	GLBRC2000	GLBR2000-4
0-3000	500	50	GLBR3000	GLBRC3000	GLBR3000-4
0-5000	500	50	GLBR5000	GLBRC5000	GLBR5000-4
0-10000	1000	100	---	---	GLBR10000-4

Pneumatic
Accessories

Welding Gauges

Features:

- $\pm 3-2-3\%$ accuracy according to ASME B40.100 Grade B
- polished drawn stainless steel case
- twist-lock polycarbonate window
- copper alloy bourdon tube
- "USE NO OIL" written in red on face
- ambient temperature range: -40°F to 140°F (-20°C to 60°C)

PSI Range	Fig. Inter.	Minor Grad.	2½" Face ¼" Lower Mount Part #
0-30	5	.5	GBRW30
0-30	5	.5	GBRW30R¹
0-60	10	1	GBRW60
0-100	20	2	GBRW100
0-200	50	5	GBRW200
0-400	100	10	GBRW400
0-600	100	10	GBRW600
0-4000	500	100	GBRW4000



¹ red band between 15 to 30 PSI on GBRW30R

**Applications:**

- General purpose digital gauges are suitable for dry air applications and other media. Gauge offers selectable units of measure so rather than purchasing one gauge for each unit of measure required, one gauge can be used for multiple units of measure.
- ideal for test applications and for use in technicians tool kits

Features:

- 0.5% terminal point accuracy
- five-digit LCD display with large size .48" characters
- bar graph display (20 segment)
- 9 engineering units (accessed through keypad): PSI, in. HG, cm Hg, mm Hg, KPA, Mpa, BAR, KG/cm2, ft H2O
- IP67 weatherproof enclosure, polycarbonate / ABS
- two AA alkaline batteries included
- 2000 hour minimum battery life
- wetted parts: 17-4 PH stainless steel sensor with 316L stainless steel socket
- operating temperature: -4°F to 140°F (-20°C to 60°C)
- polycarbonate window
- other pressure and compound ranges available

PSI Range	2½" Face ¼" Lower Mount Part #
0-100	DG100
0-300	DG300
0-1000	DG1000
0-10,000	DG10000

180° Steam Gauge Siphons

Application:

- In steam service, the siphon will prevent hot steam from entering a pressure gauge, diaphragm seal or transmitter. Recommended for applications involving temperatures above **100°F (37°C)**. Also use *siphons* whenever condensing hot vapors (not just steam) are present.

**Features:**

- red brass pipe
- complies with ASTM B-43
- pressure rating: **200 PSI at 406°F (208°C)**



Male IPS	Red Brass Part #
¼"	401-01

Features:

- steel pipe
- ¼" NPT schedule 40 steel, welded
- pressure rating: **175 PSI at 340°F (171°C)**



Male IPS	Steel Part #
¼"	401-01S

Bi-Metal Thermometers

Features:

- case: sturdy, corrosion resistant series 304 stainless steel
- bezel crystal: optically clear, strong glass, gasketed to maintain weather-tight integrity is standard
- stem: 304 series stainless steel, welded at tip and case connector to prevent leakage, 1/4" (6.35 mm) diameter
- hermetically sealed per ASME B40.3 external reset
- slotted-hex adjustment head offers screwdriver or wrench use to field calibrate the thermometer
- bi-metal element: an extremely responsive temperature sensing helix which has been carefully sized and tested, heat treated and aged to relieve inherent stresses and insure continued accuracy
- dampening: bi-metal helix is coated with a viscous silicone to minimize pointer oscillation and to improve temperature transmission
- immersion: for accurate temperature readings, immerse stem a minimum of 2" (50 mm) in agitated liquids or 4" (100 mm) in moving air or gas
- over range: temporary over or under range of 50% of scale up to **260°C or 500°F** will not affect the instrument accuracy
- accuracy: guaranteed to be accurate to within 1% of full scale (Grade A per ASME B40.3) (The American Society of Mechanical Engineers issued a new standard for Bi-Metal Thermometers in 1990 referred to as ASME B40.3.)
- standard connection is 1/2" male NPT

Model 30 Back Connected

Stem Length	Temperature Range	3" Face Part #
2½"	0-250°F/-20-120°C	30025064
2½"	50-500°F/10-260°C	30025104
4"	0-250°F/-20-120°C	30040064
4"	50-500°F/10-260°C	30040104
6"	0-250°F/-20-120°C	30060064
6"	50-500°F/10-260°C	30060104
9"	0-250°F/-20-120°C	30090064
9"	50-500°F/10-260°C	30090104



Model 31 Bottom Connected 90° Angle

Stem Length	Temperature Range	3" Face Part #
2½"	0-250°F/-20-120°C	31025064
4"	50-500°F/10-260°C	31040104



Model 50 Back Connected

Stem Length	Temperature Range	5" Face Part #
2½"	50-500°F/10-260°C	50025104
4"	0-250°F/-20-120°C	50040064



Model 52 Adjustable Angle

Stem Length	Temperature Range	5" Face Part #
2½"	0-250°F/-20-120°C	52025064
4"	0-250°F/-20-120°C	52040064
4"	50-500°F/10-260°C	52040104





Bi-Metal Pocket Thermometers

Features:

- case: 304 stainless steel hermetically sealed
- crystal: extra heavy polycarbonate
- stem: 304 series stainless steel
- external reset with hex nut on back of case
- bi-metal element: responsive actuation by bi-metal helix
- dampening: bi-metal helix is coated with a viscous silicone to minimize pointer oscillation
- scale length: approximately 2-1/8" (54mm)
- accuracy: 1%
- polyethylene carrying case with clip

Temperature Range	Part #
0°F to 220°F (-18°C to 104°C)	PT220
50°F to 550°F (10°C to 288°C)	PT550

Magnetic Surface Mount Thermometers


Features:

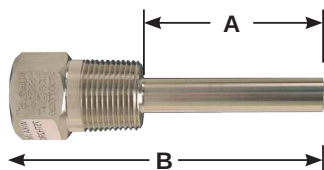
- case: steel, 2" x 1/2"
- dial: polished aluminum
- bi-metal element: responsive actuation by bi-metal helix
- accuracy: $\pm 2\%$

Temperature Range	2" Face Part #
0°F to 250°F (-18°C to 121°C)	MT250
0°F to 500°F (-18°C to 260°F)	MT500

Threaded Thermowells

Features:

- 3/4" male NPT process connection



'A' dimension	'B' dimension	316 Stainless Steel Part #
1 5/8"	2 1/2"	75TH2R015SS
2 1/2"	4"	75TH2R025SS
4 1/2"	6"	75TH2R045SS
7 1/2"	9"	75TH2R075SS

Ball Swivels

Features:

- brass and hardened steel construction
- O-ring seals
- wobble action for increased flexibility with air driven tools

Hose Size	Male NPT	Part #	Optional Qty
1/4"	1/4"	D444S	25
3/8"	1/4"	D446S	25

Pneumatic
Accessories

Push-On Ball Swivels

Feature:

- special barb design for secure grip in push-on type air hoses

Hose Size	Male NPT	Part #	Optional Qty
3/8"	1/4"	D446SL	25



In-Line Swivels

Features:

- for air service only
- rated to **250 PSI** at ambient temperature **70°F (21°C)**, minimum **35 PSI**
- heavy-duty, free turning steel swivel



Male NPT	Female NPT	Steel Part #
3/8"	1/2"	SV17
1/2"	1/2"	SV20
3/4"	3/4"	SV26



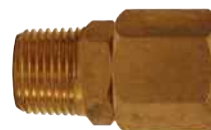
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Features:

- for air service only
- rated to **150 PSI** at ambient temperature **70°F (21°C)**



Male NPT	Female NPT	Brass Part #
1/4"	1/4"	D344R
3/8"	3/8"	D366R



Air Tool Swivels

Features:

- swivels at two locations so air hose can drop directly to the floor
- rated to **150 PSI** at ambient temperature **70°F (21°C)**
- do not use with percussion tools



Size	Aluminum Part #
1/4"	D344U ¹
3/8"	D346U
1/2"	D348U



¹ D344U is a non-marring composite.



Conical Mufflers

Application:

- threads into the exhaust ports of air tool, valves, cylinders and other pneumatic equipment

Features:

- reduces noise levels below 90 dBA to conform with OSHA standards
- 40 micron bronze filter element
- element is bonded directly to the fitting and *is not replaceable*
- maximum operating pressure: **300 PSI**
- temperature range: **35°F to 300°F (2°C to 149°C)**

NPT Thread	Overall Length	Nickel Plated Steel Part #
1/8"	1 1/8"	CMF18
1/4"	1 3/8"	CMF28
3/8"	1 1/2"	CMF38
1/2"	1 7/8"	CMF48
3/4"	2 1/4"	CMF68
1"	2 7/8"	CMF88

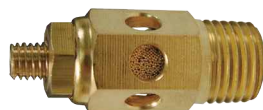
Speed Control Mufflers

Features:

- maximum operating pressure: **300 PSI**
- temperature range: **35°F to 300°F (2°C to 149°C)**
- safe and infinite variations of metering air flow at acceptable sound levels on exhaust ports of air valves
- speed of operating cylinder or air tool may be increased or decreased with adjusting screw, the final position is locked in place by the lock nut
- exhaust air noise is eliminated by a surrounding sleeve of sintered bronze



aluminum



brass

NPT Thread	Approximate Full Oper. Height	Maximum Adjusted SCFM	Brass Part #
1/8"	1-5/16"	20	SCM18
1/4"	1-9/16"	30	SCM28
3/8"	1 5/8"	40	SCM38
1/2"	2"	60	SCM48
3/4"	2 3/8"	70	SCM68
1"	2 1/2"	100	SCM88

Breather Vents

Applications:

- used on single acting cylinders or valves to prevent dirt and foreign particles from entering ports open to the atmosphere
- provides vacuum relief or pressure equalization on gear boxes, oil tanks or reservoirs

Features:

- standard pipe thread connections for quick assembly and removal for cleaning
- nickel plated steel insert with a bronze filter
- 40 micron filter element
- maximum operating pressure: **150 PSI**
- temperature range: **35°F to 300°F (2°C to 148°C)**



NPT Thread	Overall Length	Nickel Plated Steel Part #
1/8"	7/16"	ASP-1BV
1/4"	5/8"	ASP-2BV
3/8"	3/4"	ASP-3BV
1/2"	7/8"	ASP-4BV
3/4"	1"	ASP-6BV
1"	1-5/16"	ASP-8BV

Quick Disconnects..... 450 to 505

H-series	450 to 456
H-BOP series.....	457
HS-series.....	458
K-series	459 to 460
AG-series.....	461 to 462
V-series.....	463 to 471
TR-series	472 to 475
HT-series	476
HTE-series.....	477
HTZ-series.....	478
ST-series	479 to 481
PD-series.....	482
VEP-series.....	483 to 485
VEP-BOP series	486
W-series	487 to 489
WS-series	490 to 492
WS-BOP series	493
T-series.....	494 to 495
CVV-series.....	496 to 497
E-series	498 to 500
EA-series.....	501
CM-series	502 to 505

Adapters..... 506 to 526

Flat Face.....	506 to 507
Unions.....	506
Connectors.....	506
90° elbows	506-507
Tees	507
Caps.....	507
Plugs.....	507
ORB.....	508 to 510
Reducers.....	508
Unions.....	508
O-ring Boss.....	508 to 509
Elbows	509 to 510
Tees	510
Plugs.....	510
37° JIC.....	511 to 517
Flare.....	511
Swivels.....	512
90° elbows	512
90° flare elbows	512
45° elbows	513 to 514
Flare unions	514
Flare tees.....	514
Caps.....	515
Nuts.....	515 to 516
Plugs.....	515

Adapters (cont.)..... 506 to 526

JIC (cont.).....	511 to 517
Sleeves	515
Straight weld end metal hose fittings	517
45° elbow weld end metal hose fittings.....	517
90° elbow weld end metal hose fittings.....	517
NPTF	518 to 522
Pipe nipples	518
Hex reducer bushings.....	518
Swivels.....	519
Swivel nuts.....	519
Hex pipe couplings.....	519
90° elbows	519 to 520
90° elbow swivels	520
45° elbows	520
Tees	521
Hex caps.....	522
Hex plugs	522
Metric parallel thread	523
BSPP (British Standard Pipe Parallel).....	523
Code 61 / 62 flanges	524 to 526
4-bolt NPTF ports.....	524
4-bolt SAE ports.....	524
4-bolt flange pipe socket welds.....	525
Split flange kits.....	526
Straight SAE	526
90° SAE elbows	526
45° SAE elbows	526

Hydraulic Hose Fittings 527 to 528

Suction and return line couplings	527
Double bolt clamps.....	527
Stems	528
Clamps for 1 or 2 wire	528
Inline hydraulic filters	528

Pipe and Tubing Hangers.....529 to 530

Standard series	529
Twin series.....	529
Heavy duty series	530



H-Series Hydraulic Couplings

Features:

- poppet style shut-off valves in both coupler and plug
- meets dimensional requirements of **ISO 7241 Series B**
- interchangeable with Parker-Hannifin 60 series, see Hydraulic Profile Chart on page 454
- Nitrile seals standard providing temperature range of **-40°F to 250°F (-40°C to 121°C)**
- contact Dixon® for pressure ratings and other technical information
- contact Dixon® for additional seal material options

ISO-B Female Threaded Couplers



steel



brass

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	1HF1	---	1HF1-B
	7/16" - 20 ORB	---	1HOF2	---	---
1/4"	1/4" - 18 NPTF	16-263	2HF2	B16-263	2HF2-B
	1/4" - 19 BSPP	---	2HBF2	---	2HBF2-B
	9/16" - 18 ORB	---	2HOF3	---	---
3/8"	3/8" - 18 NPTF	16-363	3HF3	B16-363	3HF3-B
	3/8" - 19 BSPP	---	3HBF3	---	3HBF3-B
	3/4" - 16 ORB	---	3HOF4	---	---
1/2"	1/2" - 14 NPTF	16-463	4HF4	B16-463	4HF4-B
	1/2" - 14 BSPP	---	4HBF4	---	4HBF4-B
	7/8" - 14 ORB	---	4HOF5	---	---
3/4"	3/4" - 14 NPTF	16-663	6HF6	B16-663	6HF6-B
	3/4" - 14 BSPP	---	6HBF6	---	6HBF6-B
	1-1/16" - 12 ORB	---	6HOF6	---	---
1"	1" - 11 1/2 NPTF	16-863	8HF8	B16-863	8HF8-B
	1" - 11 BSPP	---	8HBF8	---	8HBF8-B
	1-5/16" - 12 ORB	---	8HOF8	---	---



303 stainless

Body Size	Threads	Previous Part #	303 Stainless Steel	316 Stainless Steel
			Part #	Part #
1/8"	1/8" - 27 NPTF	---	1HF1-S	1HF1-SS
	7/16" - 20 ORB	---	---	---
1/4"	1/4" - 18 NPTF	SS16-263	2HF2-S	2HF2-SS
	1/4" - 19 BSPP	---	2HBF2-S	2HBF2-SS
	9/16" - 18 ORB	---	---	---
3/8"	3/8" - 18 NPTF	SS16-363	3HF3-S	3HF3-SS
	3/8" - 19 BSPP	---	3HBF3-S	3HBF3-SS
	3/4" - 16 ORB	---	---	---
1/2"	1/2" - 14 NPTF	SS16-463	4HF4-S	4HF4-SS
	1/2" - 14 BSPP	---	4HBF4-S	4HBF4-SS
	7/8" - 14 ORB	---	---	---
3/4"	3/4" - 14 NPTF	SS16-663	6HF6-S	6HF6-SS
	3/4" - 14 BSPP	---	6HBF6-S	6HBF6-SS
	1-1/16" - 12 ORB	---	---	---
1"	1" - 11 1/2 NPTF	SS16-863	8HF8-S	8HF8-SS
	1" - 11 BSPP	---	8HBF8-S	8HBF8-SS
	1-5/16" - 12 ORB	---	---	---

H-Series Hydraulic Couplings

ISO-B Female Threaded Plugs

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	H1F1	---	H1F1-B
	7/16" - 20 ORB	---	H1OF2	---	---
1/4"	1/4" - 18 NPTF	17-263	H2F2	B17-263	H2F2-B
	1/4" - 19 BSPP	---	H2BF2	---	H2BF2-B
	9/16" - 18 ORB	---	H2OF3	---	---
3/8"	3/8" - 18 NPTF	17-363	H3F3	B17-363	H3F3-B
	3/8" - 19 BSPP	---	H3BF3	---	H3BF3-B
	3/4" - 16 ORB	---	H3OF4	---	---
1/2"	1/2" - 14 NPTF	17-463	H4F4	B17-463	H4F4-B
	1/2" - 14 BSPP	---	H4BF4	---	H4BF4-B
	7/8" - 14 ORB	---	H4OF5	---	---
3/4"	3/4" - 14 NPTF	17-663	H6F6	B17-663	H6F6-B
	3/4" - 14 BSPP	---	H6BF6	---	H6BF6-B
	1-1/16" - 12 ORB	---	H6OF6	---	---
1"	1" - 11 1/2 NPTF	17-863	H8F8	B17-863	H8F8-B
	1" - 11 BSPP	---	H8BF8	---	H8BF8-B
	1-5/16" - 12 ORB	---	H8OF8	---	---



steel



brass

Body Size	Threads	Previous Part #	303 Stainless Steel	316 Stainless Steel
			Part #	Part #
1/8"	1/8" - 27 NPTF	---	H1F1-S	H1F1-SS
1/4"	1/4" - 18 NPTF	SS17-263	H2F2-S	H2F2-SS
	1/4" - 19 BSPP	---	H2BF2-S	H2BF2-SS
3/8"	3/8" - 18 NPTF	SS17-363	H3F3-S	H3F3-SS
	3/8" - 19 BSPP	---	H3BF3-S	H3BF3-SS
1/2"	1/2" - 14 NPTF	SS17-463	H4F4-S	H4F4-SS
	1/2" - 14 BSPP	---	H4BF4-S	H4BF4-SS
3/4"	3/4" - 14 NPTF	SS17-663	H6F6-S	H6F6-SS
	3/4" - 14 BSPP	---	H6BF6-S	H6BF6-SS
1"	1" - 11 1/2 NPTF	SS17-863	H8F8-S	H8F8-SS
	1" - 11 BSPP	---	H8BF8-S	H8BF8-SS



303 stainless

ISO-B Male Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	3/8" - 18 NPTF	H2M3



Body Size	Threads	303 Stainless Steel Part #
1/2"	3/4" - 14 NPTF	H4M6-S



H-Series Hydraulic Couplings

ISO-B High Volume Female Threaded Couplers



steel



brass



316 stainless

Body Size	Threads	Steel Part #	Brass Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1¼"	1¼" - 11½ NPTF 1¼" - 11 BSPP	10HF10 10HBF10	10HF10-B ---	10HF10-S ---	10HF10-SS 10HBF10-SS
1½"	1¼" - 11½ NPTF 1⅝" - 12 ORB 1½" - 11½ NPTF 1½" - 11 BSPP 1⅞" - 12 ORB	12HF10 12HOF10 12HF12 12HBF12 12HOF12	12HF10-B --- 12HF12-B 12HBF12-B ---	12HF10-S --- 12HF12-S 12HBF12-S ---	--- --- 12HF12-SS 12HBF12-SS ---
2½"	2" - 11½ NPTF 2½" - 8 NPTF 3" - 8 NPTF	20HF16 20HF20 20HF24	20HF16-B --- ---	--- --- ---	--- --- ---

ISO-B High Volume Female Threaded Plugs



steel



brass



303 stainless

Body Size	Threads	Steel Part #	Brass Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1¼"	1¼" - 11½ NPTF 1¼" - 11 BSPP	H10F10 H10BF10	H10F10-B ---	H10F10-S ---	H10F10-SS H10BF10-SS
1½"	1¼" - 11½ NPTF 1⅝" - 12 ORB 1½" - 11½ NPTF 1½" - 11 BSPP 1⅞" - 12 ORB	H12F10 H12OF10 H12F12 H12BF12 H12OF12	H12F10-B --- H12F12-B H12BF12-B ---	H12F10-S --- H12F12-S H12BF12-S ---	--- --- H12F12-SS H12BF12-SS ---
2½"	2" - 11½ NPTF 2½" - 8 NPTF 3" - 8 NPTF	H20F16 H20F20 H20F24	H20F16-B --- ---	--- --- ---	--- --- ---

H-Series Hydraulic Couplings

ISO-B Steel Mill 'Slide Gate' Female Threaded Couplers

Body Size	Female Threads	Steel Part #
1/2"	1/2" - 14 NPTF	4HF4-HV



Hydraulic Fittings

ISO-B Steel Mill 'Slide Gate' Female Threaded Plugs

Body Size	Female Threads	Steel Part #
1/2"	1/2" - 14 NPTF	H4F4-HV



ISO-B Food Grade Silicone Flanged Female Threaded Couplers

Body Size	Female Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" - 14 NPTF	D-4HF4-S-FSB	D-4HF4-SS-FSB



ISO-B Food Grade Nylon Flanged Female Threaded Couplers

Body Size	Female Threads	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" - 14 NPTF	D-4HF4-S-FNS	D-4HF4-SS-FNS



ISO-B Food Grade Female Threaded Plugs

Body Size	Female Threads	Steel Part #	303 Stainless Steel Part #	316 Stainless Steel Part #
1/2"	1/2" - 14 NPTF	D-H4F4-SV-8	D-H4F4-S	D-H4F4-SS



H-Series Hydraulic Couplings



ISO-B Dust Caps / Plugs

Body Size	Previous Part #		Nitrile Part #
	Plugs	Caps	
1/8"	VHC002	---	1HDP
1/8"	---	---	H1DC
1/4"	16-002	17-002	2HDP-H2DC
3/8"	16-003	17-003	3HDP-H3DC
1/2"	16-004	17-004	4HDP-H4DC
3/4"	16-006	17-004	6HDP-H6DC
1"	16-008	17-008	8HDP-H8DC ¹

¹ 8HDP-H8DC fits both 1" and 1 1/4" body sizes

ISO-B Rigid Dust Plugs



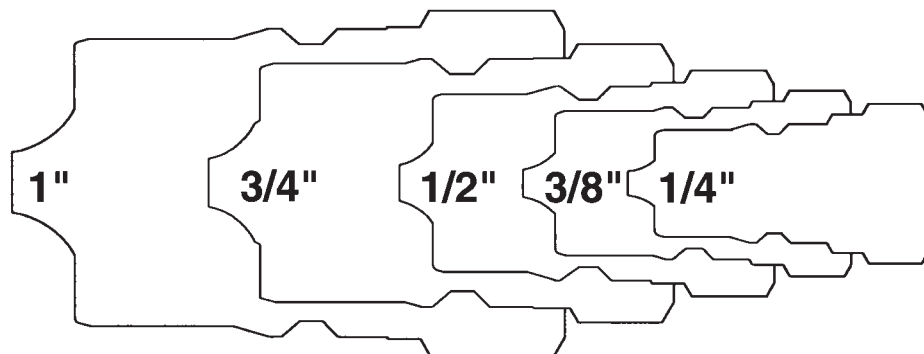
Body Size	Previous Part #	Aluminum body with steel cable Part #
1/4"	16-002A	2HDP-A
3/8"	16-003A	3HDP-A
1/2"	16-004A	4HDP-A
3/4"	16-006A	6HDP-A
1"	16-008A	8HDP-A
1 1/2"	---	12HDP-A
2 1/2"	---	20HDP-A

ISO-B Rigid Dust Caps



Body Size	Previous Part #	Aluminum body with steel cable Part #
1/4"	17-002A	H2DC-A
3/8"	17-003A	H3DC-A
1/2"	17-004A	H4DC-A
3/4"	17-006A	H6DC-A
1"	17-008A	H8DC-A
1 1/2"	---	H12DC-A
2 1/2"	---	H20DC-A

Plug Profiles



Industry/Competitor Interchange

ISO 7241-B
 Hansen HK
 Eaton/Aeroquip FD45
 Parker 60
 Faster HNV
 Stucchi IRB/IRBO/IRBX

H-Series Hydraulic Couplings

ISO-B Coupler Seal Kits

Body Size	Coupler Material	Description	EPDM Part #	FKM Part #	Nitrile Part #
1/8"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-1H-SKIT	F-1H-SKIT	1H-SKIT
1/4"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-2H-SKIT	F-2H-SKIT	2H-SKIT
3/8"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-3H-SKIT	F-3H-SKIT	3H-SKIT
1/2"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-4H-SKIT	F-4H-SKIT	4H-SKIT
3/4"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-6H-SKIT	F-6H-SKIT	6H-SKIT
1"	brass, steel, 303 SS, 316 SS	two O-rings and one PTFE anti-extrusion ring	P-8H-SKIT	F-8H-SKIT	8H-SKIT
1 1/4"	brass, steel, 303 SS, 316 SS	adapter / valve O-ring and two body O-rings	P-10H-SKIT	F-10H-SKIT	10H-SKIT
1 1/2"	brass, steel, 303 SS, 316 SS	adapter / valve O-ring and two body O-rings	P-12H-SKIT	F-12H-SKIT	12H-SKIT



H-Series Hydraulic Couplings

ISO-B Repair Kits

Hydraulic Fittings

Body Size	Coupler Material	Seal Material	Description	Part #
1/4"	steel	nitrile	steel valve assembly and retaining ring	2H-RKIT
	brass	nitrile	brass valve assembly and retaining ring	2H-BRKIT
	303 stainless	nitrile	303 SS valve assembly and retaining ring	2H-SRKIT
	316 stainless	nitrile	316 SS valve assembly and retaining ring	2H-SSRKIT
3/8"	steel	nitrile	steel valve assembly and retaining ring	3H-RKIT
	brass	nitrile	brass valve assembly and retaining ring	3H-BRKIT
	303 stainless	nitrile	303 SS valve assembly and retaining ring	3H-SRKIT
	316 stainless	nitrile	316 SS valve assembly and retaining ring	3H-SSRKIT
1/2"	steel	nitrile	steel valve assembly and retaining ring	4H-RKIT
	brass	nitrile	brass valve assembly and retaining ring	4H-BRKIT
	303 stainless	nitrile	303 SS valve assembly and retaining ring	4H-SRKIT
	316 stainless	nitrile	316 SS valve assembly and retaining ring	4H-SSRKIT
3/4"	steel	nitrile	steel valve assembly and retaining ring	6H-RKIT
	brass	nitrile	brass valve assembly and retaining ring	6H-BRKIT
	303 stainless	nitrile	303 SS valve assembly and retaining ring	6H-SRKIT
	316 stainless	nitrile	316 SS valve assembly and retaining ring	6H-SSRKIT
1"	steel	nitrile	steel valve assembly and retaining ring	8H-RKIT
	brass	nitrile	brass valve assembly and retaining ring	8H-BRKIT
	303 stainless	nitrile	303 SS valve assembly and retaining ring	8H-SRKIT
	316 stainless	nitrile	316 SS valve assembly and retaining ring	8H-SSRKIT
1 1/4"	steel	nitrile	steel valve assembly and adapter O-ring	10H-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	10H-BRKIT
	303 stainless	nitrile	303 SS valve assembly and adapter O-ring	10H-SRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	10H-SSRKIT
1 1/2"	steel	nitrile	steel valve assembly and adapter O-ring	12H-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	12H-BRKIT
	303 stainless	nitrile	303 SS valve assembly and adapter O-ring	12H-SRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	12H-SSRKIT



H-BOP Series Hydraulic Couplings

Application:

- designed specifically for blow-out preventer systems on drilling rigs

Features:

- fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D; certificate available upon request
- pressure rating **5000 PSI at 70°F (21°C)**
- steel coupler sleeves are hardened to resist deformation and maximize service life
- individually marked with the BOP series designation
- interchangeable with ISO7241 Series B, Eaton/Hansen HKFR-Series, DNP HNV-BOP Series

Blowout Preventer Safety Female Couplers

Body Size	Female Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPTF	3HF3-BOP	3HF3-SS-BOP
1/2"	1/2" - 14 NPTF	4HF4-BOP	4HF4-SS-BOP
3/4"	3/4" - 14 NPTF	6HF6-BOP	6HF6-SS-BOP
1"	1" - 11 1/2 NPTF	8HF8-BOP	8HF8-SS-BOP

**Blowout Preventer Safety Female Plugs**

Body Size	Female Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPTF	H3F3-BOP	H3F3-SS-BOP
1/2"	1/2" - 14 NPTF	H4F4-BOP	H4F4-SS-BOP
3/4"	3/4" - 14 NPTF	H6F6-BOP	H6F6-SS-BOP
1"	1" - 11 1/2 NPTF	H8F8-BOP	H8F8-SS-BOP



HS-Series Hydraulic Couplings

Applications:

- designed exclusively for steam applications

Features:

- coupler has a large plated steel sleeve designed for easier gripping with gloves
- special high-temp EPDM O-rings designed for steam service providing a temperature range of -70°F to 400°F (-57°C to 204°C)
- rated to 200 PSI gauge saturated steam 382°F (194°C)



Warning: Do Not Disconnect Under Pressure!

ISO-B Steam Interchange Female Threaded Couplers



brass



303 stainless

Body Size	Threads	Brass		303 Stainless Steel
		Previous Part #	Part #	Part #
1/4"	1/4" - 18 NPTF	B16-200S	2HSF2-B	2HSF2-S
	1/4" - 19 BSPP	---	2HSBF2-B	2HSBF2-S
3/8"	3/8" - 18 NPTF	B16-300S	3HSF3-B	3HSF3-S
	3/8" - 19 BSPP	---	3HSBF3-B	3HSBF3-S
1/2"	1/2" - 14 NPTF	B16-400S	4HSF4-B	4HSF4-S
	1/2" - 14 BSPP	---	4HSBF4-B	4HSBF4-S
3/4"	3/4" - 14 NPTF	B16-600S	6HSF6-B	6HSF6-S
	3/4" - 14 BSPP	---	6HSBF6-B	6HSBF6-S
1"	1" - 11 1/2 NPTF	B16-800S	8HSF8-B	8HSF8-S
	1" - 11 BSPP	---	8HSBF8-B	8HSBF8-S
1 1/2"	1 1/2" - 11 1/2 NPTF	B16-1200S	PS-12HF12-B	---

ISO-B Steam Interchange Female Threaded Plugs



steel



brass



303 stainless

Body Size	Threads	Steel Part #	Brass		303 Stainless Steel
			Previous Part #	Part #	Part #
1/4"	1/4" - 18 NPTF	HS2F2	B17-200S	HS2F2-B	HS2F2-S
	1/4" - 19 BSPP	HS2BF2	---	HS2BF2-B	HS2BF2-S
3/8"	3/8" - 18 NPTF	HS3F3	B17-300S	HS3F3-B	HS3F3-S
	3/8" - 19 BSPP	HS3BF3	---	HS3BF3-B	HS3BF3-S
1/2"	1/2" - 14 NPTF	HS4F4	B17-400S	HS4F4-B	HS4F4-S
	1/2" - 14 BSPP	HS4BF4	---	HS4BF4-B	HS4BF4-S
3/4"	3/4" - 14 NPTF	HS6F6	B17-600S	HS6F6-B	HS6F6-S
	3/4" - 14 BSPP	HS6BF6	---	HS6BF6-B	HS6BF6-S
1"	1" - 11 1/2 NPTF	HS8F8	B17-800S	HS8F8-B	HS8F8-S
	1" - 11 BSPP	HS8BF8	---	HS8BF8-B	HS8BF8-S
1 1/2"	1 1/2" - 11 1/2 NPTF	---	B17-1200S	PS-H12F12-B	---

K-Series Hydraulic Couplings

Features:

- poppet style shut-off valves in both coupler and plug
- interchangeable with Aeroquip/Eaton FD56 (5600), Parker 6600, and **ISO-A 7241 interchange**, see Hydraulic Profile Chart on page 460
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for additional seal material options, pressure ratings and other technical information.

ISO-A Interchange Female Threaded Couplers

Body Size	Threads	Previous Part #	Steel Part #	316 Stainless Steel Part #
1/4"	1/8" - 27 NPTF	56-100	2KF1	---
	1/4" - 18 NPTF	56-200	2KF2	2KF2-SS
	1/4" - 19 BSPP	---	2KBF2	2KBF2-SS
	7/16" - 20 ORB	---	2KOF2	---
3/8"	3/8" - 18 NPTF	56-300	3KF3	3KF3-SS
	3/8" - 19 BSPP	---	3KBF3	3KBF3-SS
	9/16" - 18 ORB	---	3KOF3	---
1/2"	1/2" - 14 NPTF	56-400	4KF4	4KF4-SS
	1/2" - 14 BSPP	---	4KBF4	4KBF4-SS
	3/4" - 16 ORB	---	4KOF4	---
	7/8" - 14 ORB	---	4KOF5	---
	3/4" - 14 NPTF	56-600	4KF6	---
3/4"	3/4" - 14 NPTF	56-660	6KF6	6KF6-SS
	3/4" - 14 BSPP	---	6KBF6	6KBF6-SS
	1-1/16" - 12 ORB	---	6KOF6	---
1"	1" - 11 1/2 NPTF	56-800	8KF8	8KF8-SS
	1" - 11 BSPP	---	8KBF8	8KBF8-SS
	1-5/16" - 12 ORB	---	8KOF8	---
1 1/4"	1 1/4" - 11 1/2 NPT	---	10KF10	---
	1 1/4" - 11 BSPP	---	10KBF10	---
1 1/2"	1 1/2" - 11 1/2 NPT	---	12KF12	---
	1 1/2" - 11 BSPP	---	12KBF12	---
2"	2" - 11 1/2 NPT	---	16KF16	---
	2" - 11 BSPP	---	16KBF16	---



4KF4 - steel



6KF6 - steel



10KF10 - steel

ISO-A Interchange Female Threaded Plugs

Body Size	Threads	Previous Part #	Steel Part #	316 Stainless Steel Part #
1/4"	1/8" - 27 NPTF	57-100	K2F1	---
	1/4" - 18 NPTF	57-200	K2F2	K2F2-SS
	1/4" - 19 BSPP	---	K2BF2	K2BF2-SS
	7/16" - 20 ORB	---	K2OF2	---
3/8"	3/8" - 18 NPTF	57-300	K3F3	K3F3-SS
	3/8" - 19 BSPP	---	K3BF3	K3BF3-SS
	9/16" - 18 ORB	---	K3OF3	---
1/2"	1/2" - 14 NPTF	57-400	K4F4	K4F4-SS
	1/2" - 14 BSPP	---	K4BF4	K4BF4-SS
	3/4" - 16 ORB	---	K4OF4	---
	7/8" - 14 ORB	---	K4OF5	---
	3/4" - 14 NPTF	57-600	K4F6	---
3/4"	3/4" - 14 NPTF	57-660	K6F6	K6F6-SS
	3/4" - 14 BSPP	---	K6BF6	K6BF6-SS
	1-1/16" - 12 ORB	---	K6OF6	---
1"	1" - 11 1/2 NPTF	57-800	K8F8	K8F8-SS
	1" - 11 BSPP	---	K8BF8	K8BF8-SS
	1-5/16" - 12 ORB	---	K8OF8	---
1 1/4"	1 1/4" - 11 1/2 NPT	---	K10F10	---
	1 1/4" - 11 BSPP	---	K10BF10	---
1 1/2"	1 1/2" - 11 1/2 NPT	---	K12F12	---
	1 1/2" - 11 BSPP	---	K12BF12	---
2"	2" - 11 1/2 NPT	---	K16F16	---
	2" - 11 BSPP	---	K16BF16	---



K4F4 - steel



K6F6 - steel

K-Series Hydraulic Couplings

ISO-A Interchange Dust Caps / Plugs

Hydraulic Fittings

Body Size	Previous Part #	Nitrile Part #
1/4"	56-002 / 57-002	2KDP-K2DC
3/8"	56-003 / 57-003 / VHCN004	3KDP-K3DC
3/4"	56-006 / 57-006	6KDP-K6DC
1"	56-008 / 57-008	8KDP-K8DC



ISO-A Interchange Color Coded Dust Plugs



Body Size	Color	Previous Part #	Nitrile Part #
1/2"	black	56-004	4KDP
	red	---	4K-R-DP
	orange	---	4K-O-DP
	yellow	---	4K-Y-DP
	green	---	4K-G-DP
	blue	---	4K-B-DP

ISO-A Interchange Color Coded Dust Caps

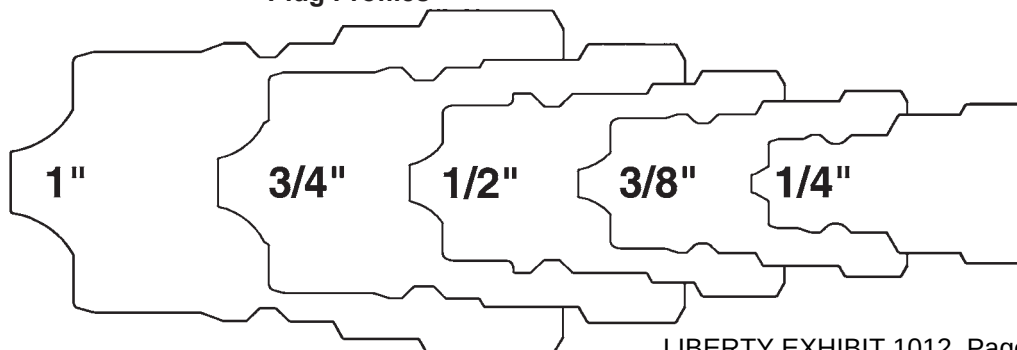


Body Size	Color	Previous Part #	Nitrile Part #
1/2"	black	57-004	K4DC
	red	---	K4-R-DC
	orange	---	K4-O-DC
	yellow	---	K4-Y-DC
	green	---	K4-G-DC
	blue	---	K4-B-DC

ISO-A Interchange Coupler Seal Kits

Body Size	Coupler Style	Description	Nitrile Part #
1/4"	all	O-ring and PTFE anti-extrusion ring	2K-SKIT
3/8"	all	O-ring and PTFE anti-extrusion ring	3K-SKIT
1/2"	all	O-ring and PTFE anti-extrusion ring	4K-SKIT
3/4"	all	O-ring and PTFE anti-extrusion ring	6K-SKIT
1"	all	O-ring and PTFE anti-extrusion ring	8K-SKIT
1 1/4"	all	O-ring and PTFE anti-extrusion ring	10K-SKIT
1 1/2"	all	O-ring and PTFE anti-extrusion ring	12K-SKIT
2"	all	O-ring and PTFE anti-extrusion ring	16K-SKIT

Plug Profiles



Industry/Competitor Interchange

ISO 7241-A
Eaton/Aeroquip 5600
Parker 6600
Faster ANV
Safeway S56
Stucchi BIR



AG-Series Hydraulic Couplings

Application:

- used on construction equipment, farm implements and most other mobile equipment

Features:

- ball valve and poppet valve options available
- interchangeable with Pioneer 4000 series, see Hydraulic Profile Chart on page 462
- nitrile (Buna-N) seal standard, providing a temperature range of -40°F to 250°F (-40°C to 121°C)
- Contact Dixon® for pressure ratings and other technical information.

Agricultural Ball Valve Female Threaded Couplers

Body Size	Threads	Previous Part #	Steel Part #
1/4"	1/4" - 18 NPTF	---	2AGF2
3/8"	3/8" - 18 NPTF	---	3AGF3
1/2"	1/2" - 14 NPTF	18-400	4AGF4
	1/2" - 14 BSPP	---	4AGBF4
	3/4" - 16 ORB	18-415	4AGOF4
	7/8" - 14 ORB	---	4AGOF5
3/4"	3/4" - 14 NPTF	18-600	4AGF6
	3/4" - 14 NPTF	18-660	6AGF6
1"	1" - 11 1/2 NPTF	---	8AGF8



Agricultural Poppet Valve Female Threaded Couplers

Body Size	Threads	Previous Part #	Steel Part #
1/4"	1/4" - 18 NPTF	18-200	2AGF2-PV
3/8"	3/8" - 18 NPTF	18-300	3AGF3-PV
1/2"	1/2" - 14 NPTF	---	4AGF4-PV
	1/2" - 14 BSPP	---	4AGBF4-PV
	3/4" - 16 ORB	---	4AGOF4-PV
	7/8" - 14 ORB	---	4AGOF5-PV
3/4"	3/4" - 14 NPTF	---	4AGF6-PV
	3/4" - 14 NPTF	---	6AGF6-PV
1"	1" - 11 1/2 NPTF	18-800	8AGF8-PV



Agricultural Push-Pull Ball Valve Female Threaded Couplers

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	3AGF3-PS
1/2"	1/2" - 14 NPTF	4AGF4-PS
	3/4" - 16 ORB	4AGOF4-PS
	7/8" - 14 ORB	4AGOF5-PS
	3/4" - 14 NPTF	4AGF6-PS
3/4"	3/4" - 14 NPTF	6AGF6-PS



Agricultural Push-Pull Poppet Valve Female Threaded Couplers

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	3AGF3-PV-PS
1/2"	1/2" - 14 NPTF	4AGF4-PV-PS
	3/4" - 16 ORB	4AGOF4-PV-PS
	7/8" - 14 ORB	4AGOF5-PV-PS
	3/4" - 14 NPTF	4AGF6-PV-PS
3/4"	3/4" - 14 NPTF	6AGF6-PV-PS



AG-Series Hydraulic Couplings

Hydraulic Fittings



Agricultural Ball Valve Female Threaded Plugs

Body Size	Threads	Previous Part #	Steel Part #
1/4"	1/4" - 18 NPTF	---	AG2F2
3/8"	3/8" - 18 NPTF	---	AG3F3
1/2"	1/2" - 14 NPTF	19-400	AG4F4
	1/2" - 14 BSPP	---	AG4BF4
	3/4" - 16 ORB	19-415	AG4OF4
	7/8" - 14 ORB	---	AG4OF5
	3/4" - 14 NPTF	19-600	AG4F6
3/4"	3/4" - 14 NPTF	19-660	AG6F6
1"	1" - 11 1/2 NPTF	---	AG8F8

Agricultural Poppet Valve Female Threaded Plugs

Body Size	Threads	Previous Part #	Steel Part #
1/4"	1/4" - 18 NPTF	---	AG2F2-PV
3/8"	3/8" - 18 NPTF	---	AG3F3-PV
1/2"	1/2" - 14 NPTF	19-400	AG4F4-PV
	1/2" - 14 BSPP	---	AG4BF4-PV
	3/4" - 16 ORB	19-415	AG4OF4-PV
	7/8" - 14 ORB	---	AG4OF5-PV
	3/4" - 14 NPTF	19-600	AG4F6-PV
3/4"	3/4" - 14 NPTF	19-660	AG6F6-PV
1"	1" - 11 1/2 NPTF	---	AG8F8-PV



Agricultural Dust Plugs

Body Size	Previous Part #	Elastomer Part #
1/4"	18-002	2AGDP
3/8"	18-003	3AGDP
1/2"	For 1/2" Please refer to the color coded K-Series Dust Plugs on pg. 460	
3/4"	18-006	6AGDP
1"	18-008	8AGDP

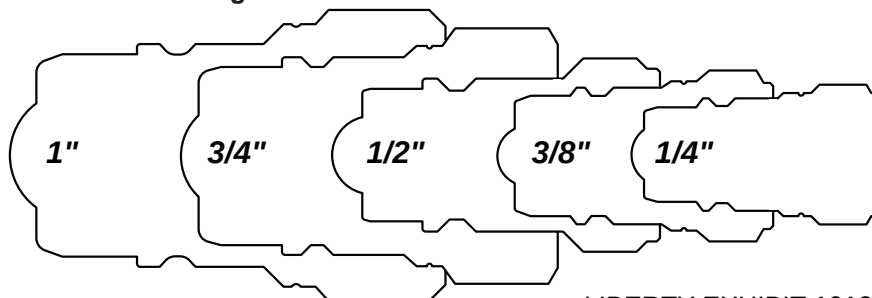


Agricultural Dust Caps

Body Size	Previous Part #	Elastomer Part #
1/4"	19-002	AG2DC
3/8"	19-003	AG3DC
1/2"	For 1/2" Please refer to the color coded K-Series Dust Caps on pg. 460	
3/4"	19-006	AG6DC
1"	19-008	AG8DC



Plug Profiles



Industry/Competitor Interchange

Parker/Pioneer 4000
Safeway S20
Faster NS/NV
Stucchi IR

V-Series Hydraulic Couplings

Features:

- general purpose hydraulic quick-connect provides superior flow characteristics for a variety of applications
- interchangeable with Snap-tite H/IH Series, see Hydraulic Profile Chart on page 469
- nitrile seal standard providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.

Snap-Tite H/IH Interchange Valved Female Threaded Couplers

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/4"	1/8" - 27 NPTF	---	2VF1	---	---
	1/4" - 18 NPTF	VHC200	2VF2	VHC200B	2VF2-B
	1/4" - 19 BSPP	---	2VBF2	---	2VBF2-B
	7/16" - 20 ORB	---	2VOF2	---	---
3/8"	3/8" - 18 NPTF	VHC300	3VF3	VHC300B	3VF3-B
	3/8" - 19 BSPP	---	3VBF3	---	3VBF3-B
	9/16" - 18 ORB	---	3VOF3	---	---
	1/2" - 14 NPTF	---	3VF4	---	---
1/2"	1/2" - 14 NPTF	VHC400	4VF4	VHC400B	4VF4-B
	1/2" - 14 BSPP	---	4VBF4	---	4VBF4-B
	3/4" - 16 ORB	---	4VOF4	---	---
	3/4" - 14 NPTF	---	4VF6	---	---
3/4"	3/4" - 14 NPTF	VHC600	6VF6	VHC600B	6VF6-B
	3/4" - 14 BSPP	---	6VBF6	---	6VBF6-B
	1-1/16" - 12 ORB	---	6VOF6	---	---
	1" - 11 1/2 NPTF	VHC800	8VF8	---	8VF8-B
1"	1" - 11 BSPP	---	8VBF8	---	8VBF8-B
	1-5/16" - 12 ORB	---	8VOF8	---	---
	1 1/4" - 11 1/2 NPTF	VHC1000	10VF10	---	10VF10-B
	1 1/4" - 11 BSPP	---	10VBF10	---	10VBF10-B
1 1/2"	1 5/8" - 12 ORB	---	10VOF10	---	---
	1 1/2" - 11 1/2 NPTF	VHC1200	12VF12	---	12VF12-B
	1 1/2" - 11 BSPP	---	12VBF12	---	12VBF12-B
	1 7/8" - 12 ORB	---	12VOF12	---	---
2"	2" - 11 1/2 NPTF	VHC1600	16VF16	---	16VF16-B
	2" - 11 BSPP	---	16VBF16	---	16VBF16-B



steel



brass

Body Size	Threads	316 Stainless Steel	
		Previous Part #	Part #
1/4"	1/4" - 18 NPTF	VHC200SS	2VF2-SS
	1/4" - 19 BSPP	---	2VBF2-SS
3/8"	3/8" - 18 NPTF	---	3VF3-SS
	3/8" - 19 BSPP	---	3VBF3-SS
1/2"	1/2" - 14 NPTF	VHC400SS	4VF4-SS
	1/2" - 14 BSPP	---	4VBF4-SS
3/4"	3/4" - 14 NPTF	VHC600SS	6VF6-SS
	3/4" - 14 BSPP	---	6VBF6-SS
1"	1" - 11 1/2 NPTF	---	8VF8-SS
	1" - 11 BSPP	---	8VBF8-SS
1 1/4"	1 1/4" - 11 1/2 NPTF	---	10VF10-SS
	1 1/4" - 11 BSPP	---	10VBF10-SS
1 1/2"	1 1/2" - 11 1/2 NPTF	---	12VF12-SS
	1 1/2" - 11 BSPP	---	12VBF12-SS
2"	2" - 11 1/2 NPTF	---	16VF16-SS
	2" - 11 BSPP	---	16VBF16-SS



V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Valved Male Threaded Couplers

Hydraulic Fittings



steel



brass



316 stainless



steel - JIC

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/8" - 27 NPTF	2VM1	---	---
	1/4" - 18 NPTF	2VM2	2VM2-B	2VM2-SS
	7/16" - 20 JIC	2VJM2	---	---
3/8"	3/8" - 18 NPTF	3VM3	3VM3-B	3VM3-SS
	9/16" - 18 JIC	3VJM3	---	---
1/2"	1/2" - 14 NPTF	4VM4	4VM4-B	4VM4-SS
	3/4" - 16 JIC	4VJM4	---	---
3/4"	3/4" - 14 NPTF	6VM6	6VM6-B	6VM6-SS
	1-1/16" - 12 JIC	6VJM6	---	---
1"	1" - 11 1/2 NPTF	8VM8	8VM8-B	8VM8-SS
	1-5/16" - 12 JIC	8VJM8	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	10VM10	10VM10-B	10VM10-SS
	1 5/8" - 12 JIC	10VJM10	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	12VM12	12VM12-B	12VM12-SS
	2" - 11 1/2 NPTF	16VM16	16VM16-B	16VM16-SS

Snap-Tite H/IH Interchange Valved Male Threaded Plugs



steel



brass



316 stainless



steel

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/8" - 27 NPTF	V2M1	---	---
	1/4" - 18 NPTF	V2M2	V2M2-B	V2M2-SS
	7/16" - 20 JIC	V2JM2	---	---
3/8"	3/8" - 18 NPTF	V3M3	V3M3-B	V3M3-SS
	9/16" - 18 JIC	V3JM3	---	---
1/2"	1/2" - 14 NPTF	V4M4	V4M4-B	V4M4-SS
	3/4" - 16 JIC	V4JM4	---	---
3/4"	3/4" - 14 NPTF	V6M6	V6M6-B	V6M6-SS
	1-1/16" - 12 JIC	V6JM6	---	---
1"	1" - 11 1/2 NPTF	V8M8	V8M8-B	V8M8-SS
	1-5/16" - 12 JIC	V8JM8	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	V10M10	V10M10-B	V10M10-SS
	1 5/8" - 12 JIC	V10JM10	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	V12M12	V12M12-B	V12M12-SS
	2" - 11 1/2 NPTF	V16M16	V16M16-B	V16M16-SS

V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Valved Female Threaded Plugs

Hydraulic Fittings

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/4"	1/8" - 27 NPTF	---	V2F1	---	---
	1/4" - 18 NPTF	VHN200	V2F2	VHN200B	V2F2-B
	1/4" - 19 BSPP	---	V2BF2	---	V2BF2-B
	7/16" - 20 ORB	---	V2OF2	---	---
3/8"	3/8" - 18 NPTF	VHN300	V3F3	VHN300B	V3F3-B
	3/8" - 19 BSPP	---	V3BF3	---	V3BF3-B
	9/16" - 18 ORB	---	V3OF3	---	---
	1/2" - 14 NPTF	---	V3F4	---	---
1/2"	1/2" - 14 NPTF	VHN400	V4F4	VHN400B	V4F4-B
	1/2" - 14 BSPP	---	V4BF4	---	V4BF4-B
	3/4" - 16 ORB	---	V4OF4	---	---
	3/4" - 14 NPTF	---	V4F6	---	---
3/4"	3/4" - 14 NPTF	VHN600	V6F6	VHN600B	V6F6-B
	3/4" - 14 BSPP	---	V6BF6	---	V6BF6-B
	1-1/16" - 12 ORB	---	V6OF6	---	---
1"	1" - 11 1/2 NPTF	VHN800	V8F8	---	V8F8-B
	1" - 11 BSPP	---	V8BF8	---	V8BF8-B
	1-5/16" - 12 ORB	---	V8OF8	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	VHN1000	V10F10	---	V10F10-B
	1 1/4" - 11 BSPP	---	V10BF10	---	V10BF10-B
	1 5/8" - 12 ORB	---	V10OF10	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	VHN1200	V12F12	---	V12F12-B
	1 1/2" - 11 BSPP	---	V12BF12	---	V12BF12-B
	1 7/8" - 12 ORB	---	V12OF12	---	---
2"	2" - 11 1/2 NPTF	VHN1600	V16F16	---	V16F16-B
	2" - 11 BSPP	---	V16BF16	---	V16BF16-B



steel



brass

Body Size	Threads	316 Stainless Steel	
		Previous Part #	Part #
1/4"	1/4" - 18 NPTF	VHN200SS	V2F2-SS
	1/4" - 19 BSPP	---	V2BF2-SS
3/8"	3/8" - 18 NPTF	---	V3F3-SS
	3/8" - 19 BSPP	---	V3BF3-SS
1/2"	1/2" - 14 NPTF	VHN400SS	V4F4-SS
	1/2" - 14 BSPP	---	V4BF4-SS
3/4"	3/4" - 14 NPTF	VHN600SS	V6F6-SS
	3/4" - 14 BSPP	---	V6BF6-SS
1"	1" - 11 1/2 NPTF	---	V8F8-SS
	1" - 11 BSPP	---	V8BF8-SS
1 1/4"	1 1/4" - 11 1/2 NPTF	---	V10F10-SS
	1 1/4" - 11 BSPP	---	V10BF10-SS
1 1/2"	1 1/2" - 11 1/2 NPTF	---	V12F12-SS
	1 1/2" - 11 BSPP	---	V12BF12-SS
2"	2" - 11 1/2 NPTF	---	V16F16-SS
	2" - 11 BSPP	---	V16BF16-SS



V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Unvalved Female Threaded Couplers

Hydraulic Fittings



steel



brass

Body Size	Threads	Previous Part #	Steel Part #	Brass Part #
1/4"	1/4" - 18 NPTF	---	2VF2-E	2VF2-B-E
	1/4" - 19 BSPP	---	2VBF2-E	2VBF2-B-E
3/8"	3/8" - 18 NPTF	---	3VF3-E	3VF3-B-E
	3/8" - 19 BSPP	---	3VBF3-E	3VBF3-B-E
1/2"	1/2" - 14 NPTF	VHC400NV	4VF4-E	4VF4-B-E
	1/2" - 14 BSPP	---	4VBF4-E	4VBF4-B-E
3/4"	3/4" - 14 NPTF	VHC600NV	6VF6-E	6VF6-B-E
	3/4" - 14 BSPP	---	6VBF6-E	6VBF6-B-E
1"	1" - 11 1/2 NPTF	---	8VF8-E	8VF8-B-E
	1" - 11 BSPP	---	8VBF8-E	8VBF8-B-E
1 1/4"	1 1/4" - 11 1/2 NPTF	---	10VF10-E	10VF10-B-E
	1 1/4" - 11 BSPP	---	10VBF10-E	10VBF10-B-E
1 1/2"	1 1/2" - 11 1/2 NPTF	---	12VF12-E	12VF12-B-E
2"	2" - 11 1/2 NPTF	---	16VF16-E	16VF16-B-E



Body Size	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	2VF2-SS-E
	1/4" - 19 BSPP	2VBF2-SS-E
3/8"	3/8" - 18 NPTF	3VF3-SS-E
	3/8" - 19 BSPP	3VBF3-SS-E
1/2"	1/2" - 14 NPTF	4VF4-SS-E
	1/2" - 14 BSPP	4VBF4-SS-E
3/4"	3/4" - 14 NPTF	6VF6-SS-E
	3/4" - 14 BSPP	6VBF6-SS-E
1"	1" - 11 1/2 NPTF	8VF8-SS-E
	1" - 11 BSPP	8VBF8-SS-E
1 1/4"	1 1/4" - 11 1/2 NPTF	10VF10-SS-E
	1 1/4" - 11 BSPP	10VBF10-SS-E
1 1/2"	1 1/2" - 11 1/2 NPTF	12VF12-SS-E
2"	2" - 11 1/2 NPTF	16VF16-SS-E

V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Unvalved Male Threaded Couplers

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	2VM2-E	2VM2-B-E	2VM2-SS-E
3/8"	3/8" - 18 NPTF	3VM3-E	3VM3-B-E	3VM3-SS-E
1/2"	1/2" - 14 NPTF	4VM4-E	4VM4-B-E	4VM4-SS-E
3/4"	3/4" - 14 NPTF	6VM6-E	6VM6-B-E	6VM6-SS-E
1"	1" - 11 1/2 NPTF	8VM8-E	8VM8-B-E	8VM8-SS-E
1 1/4"	1 1/4" - 11 1/2 NPTF	10VM10-E	---	10VM10-SS-E
1 1/2"	1 1/2" - 11 1/2 NPTF	12VM12-E	---	12VM12-SS-E
2"	2" - 11 1/2 NPTF	16VM16-E	---	16VM16-SS-E



steel



brass



316 stainless

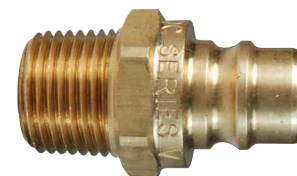
Hydraulic Fittings

Snap-Tite H/IH Interchange Unvalved Male Threaded Plugs

Body Size	Threads	Steel Part #	Brass Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	V2M2-E	V2M2-B-E	V2M2-SS-E
3/8"	3/8" - 18 NPTF	V3M3-E	V3M3-B-E	V3M3-SS-E
1/2"	1/2" - 14 NPTF	V4M4-E	V4M4-B-E	V4M4-SS-E
3/4"	3/4" - 14 NPTF	V6M6-E	V6M6-B-E	V6M6-SS-E
1"	1" - 11 1/2 NPTF	V8M8-E	V8M8-B-E	V8M8-SS-E
1 1/4"	1 1/4" - 11 1/2 NPTF	V10M10-E	---	V10M10-SS-E
1 1/2"	1 1/2" - 11 1/2 NPTF	V12M12-E	---	V12M12-SS-E
2"	2" - 11 1/2 NPTF	V16M16-E	---	V16M16-SS-E



steel



brass



316 stainless

V-Series Hydraulic Couplings

Hydraulic Fittings



steel



brass

Snap-Tite H/IH Interchange Unvalved Female Threaded Plugs

Body Size	Threads	Previous Part #	Steel Part #	Brass Part #
1/4"	1/4" - 18 NPTF	---	V2F2-E	V2F2-B-E
	1/4" - 19 BSPP	---	V2BF2-E	V2BF2-B-E
3/8"	3/8" - 18 NPTF	---	V3F3-E	V3F3-B-E
	3/8" - 19 BSPP	---	V3BF3-E	V3BF3-B-E
1/2"	1/2" - 14 NPTF	VHN400NV	V4F4-E	V4F4-B-E
	1/2" - 14 BSPP	---	V4BF4-E	V4BF4-B-E
3/4"	3/4" - 14 NPTF	VHN600NV	V6F6-E	V6F6-B-E
	3/4" - 14 BSPP	---	V6BF6-E	V6BF6-B-E
1"	1" - 11 1/2 NPTF	---	V8F8-E	V8F8-B-E
	1" - 11 BSPP	---	V8BF8-E	V8BF8-B-E
1 1/4"	1 1/4" - 11 1/2 NPTF	---	V10F10-E	V10F10-B-E
	1 1/4" - 11 BSPP	---	V10BF10-E	V10BF10-B-E
1 1/2"	1 1/2" - 11 1/2 NPTF	---	V12F12-E	V12F12-B-E
2"	2" - 11 1/2 NPTF	---	V16F16-E	V16F16-B-E



Body Size	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	V2F2-SS-E
	1/4" - 19 BSPP	V2BF2-SS-E
3/8"	3/8" - 18 NPTF	V3F3-SS-E
	3/8" - 19 BSPP	V3BF3-SS-E
1/2"	1/2" - 14 NPTF	V4F4-SS-E
	1/2" - 14 BSPP	V4BF4-SS-E
3/4"	3/4" - 14 NPTF	V6F6-SS-E
	3/4" - 14 BSPP	V6BF6-SS-E
1"	1" - 11 1/2 NPTF	V8F8-SS-E
	1" - 11 BSPP	V8BF8-SS-E
1 1/4"	1 1/4" - 11 1/2 NPTF	V10F10-SS-E
	1 1/4" - 11 BSPP	V10BF10-SS-E
1 1/2"	1 1/2" - 11 1/2 NPTF	V12F12-SS-E
2"	2" - 11 1/2 NPTF	V16F16-SS-E

V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Dust Caps / Plugs

Body Size	Nitrile	
	Previous Part #	Part #
1/4"	VHC002	1HDP
1/4"	VHN002	V2DC
3/8"	---	3VDP-V3DC
1/2"	VHCN003	3KDP-K3DC
3/4"	VHCN006	6VDP-V6DC
1"	VHCN008	8VDP-V8DC



Hydraulic Fittings

Snap-Tite H/IH Interchange Dust Plugs

Body Size	Aluminum body with steel cable	
	Previous Part #	Part #
1/4"	---	2VDP-A
3/8"	---	3VDP-A
1/2"	---	4VDP-A
3/4"	---	6VDP-A
1"	---	8VDP-A
1 1/4"	VHC010	10VDP-A
1 1/2"	VHC012	12VDP-A
2"	VHC016	16VDP-A



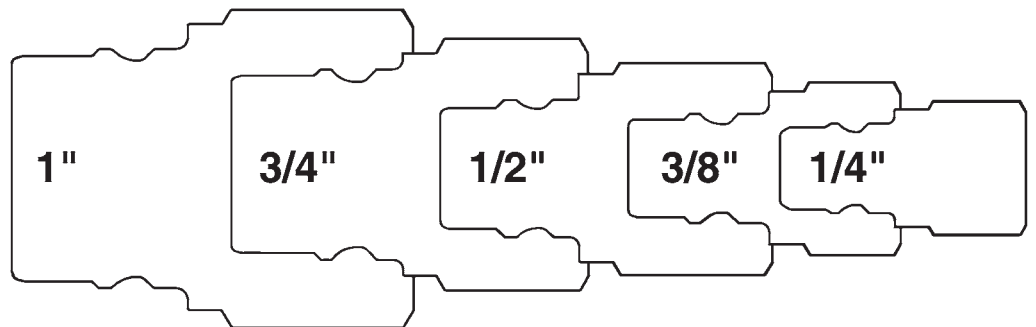
Snap-Tite H/IH Interchange Dust Caps

Body Size	Aluminum body with steel cable	
	Previous Part #	Part #
1/4"	---	V2DC-A
3/8"	---	V3DC-A
1/2"	---	V4DC-A
3/4"	---	V6DC-A
1"	---	V8DC-A
1 1/4"	VHN010	V10DC-A
1 1/2"	VHN012	V12DC-A
2"	VHN016	V16DC-A



H

Plug Profiles

Industry/Competitor
InterchangeSnap-tite H
Faster TNV

V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Coupler Seal Kits

Hydraulic Fittings

Body Size	Coupler Style	Description	Nitrile Part #
1/4"	all	body / adapter O-rings and PTFE back-up	2V-SKIT
3/8"	all	body / adapter O-rings and PTFE back-up	3V-SKIT
1/2"	all	body / adapter O-rings and PTFE back-up	4V-SKIT
3/4"	all	body / adapter O-rings and PTFE back-up	6V-SKIT
1"	all	body / adapter O-rings and PTFE back-up	8V-SKIT
1 1/4"	all	body / adapter/valve O-rings and back-up	10V-SKIT
1 1/2"	all	body / adapter/valve O-rings and back-up	12V-SKIT
2"	all	body / adapter/valve O-rings and back-up	16V-SKIT

Body Size	Coupler Style	Description	FKM Part #
1/4"	all	body / adapter O-rings and PTFE back-up	F-2V-SKIT
3/8"	all	body / adapter O-rings and PTFE back-up	F-3V-SKIT
1/2"	all	body / adapter O-rings and PTFE back-up	F-4V-SKIT
3/4"	all	body / adapter O-rings and PTFE back-up	F-6V-SKIT
1"	all	body / adapter O-rings and PTFE back-up	F-8V-SKIT
1 1/4"	all	body / adapter/valve O-rings and back-up	F-10V-SKIT
1 1/2"	all	body / adapter/valve O-rings and back-up	F-12V-SKIT
2"	all	body / adapter/valve O-rings and back-up	F-16V-SKIT

Body Size	Coupler Style	Description	EPDM Part #
1/4"	all	body / adapter O-rings and PTFE back-up	P-2V-SKIT
3/8"	all	body / adapter O-rings and PTFE back-up	P-3V-SKIT
1/2"	all	body / adapter O-rings and PTFE back-up	P-4V-SKIT
3/4"	all	body / adapter O-rings and PTFE back-up	P-6V-SKIT
1"	all	body / adapter O-rings and PTFE back-up	P-8V-SKIT
1 1/4"	all	body / adapter/valve O-rings and back-up	P-10V-SKIT
1 1/2"	all	body / adapter/valve O-rings and back-up	P-12V-SKIT
2"	all	body / adapter/valve O-rings and back-up	P-16V-SKIT



V-Series Hydraulic Couplings

Snap-Tite H/IH Interchange Coupler Repair Kits

Body Size	Coupler Material	Seal Material	Description	Part #
1/4"	steel	nitrile	steel valve assembly and adapter O-ring	2V-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	2V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	2V-SSRKIT
3/8"	steel	nitrile	steel valve assembly and adapter O-ring	3V-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	3V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	3V-SSRKIT
1/2"	steel	nitrile	steel valve assembly and adapter O-ring	4V-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	4V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	4V-SSRKIT
3/4"	steel	nitrile	steel valve assembly and adapter O-ring	6V-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	6V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	6V-SSRKIT
1"	steel	nitrile	steel valve assembly and adapter O-ring	8V-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	8V-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	8V-SSRKIT
1 1/4"	steel	nitrile	steel valve assembly and adapter O-ring	140030-10
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-10
1 1/2"	steel	nitrile	steel valve assembly and adapter O-ring	140030-12
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-12
2"	steel	nitrile	steel valve assembly and adapter O-ring	140030-16
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-16

Hydraulic Fittings

Snap-Tite H/IH Interchange Plug Repair Kits

Body Size	Coupler Material	Seal Material	Description	Part #
1/4"	steel	nitrile	steel valve assembly and adapter O-ring	V2-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	V2-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V2-SSRKIT
3/8"	steel	nitrile	steel valve assembly and adapter O-ring	V3-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	V3-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V3-SSRKIT
1/2"	steel	nitrile	steel valve assembly and adapter O-ring	V4-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	V4-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V4-SSRKIT
3/4"	steel	nitrile	steel valve assembly and adapter O-ring	V6-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	V6-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V6-SSRKIT
1"	steel	nitrile	steel valve assembly and adapter O-ring	V8-RKIT
	brass	nitrile	brass valve assembly and adapter O-ring	V8-BRKIT
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	V8-SSRKIT
1 1/4"	steel	nitrile	steel valve assembly and adapter O-ring	140030-10
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-10
1 1/2"	steel	nitrile	steel valve assembly and adapter O-ring	140030-12
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-12
2"	steel	nitrile	steel valve assembly and adapter O-ring	140030-16
	316 stainless	nitrile	316 SS valve assembly and adapter O-ring	140032-16



TR-Series Hydraulic Couplings

Features:

- interchangeable with TEMA European, 3800, 5000, 7500, 10000 series
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- valve seals are crimped in place to maintain integrity during excessive flow conditions and pressurized connection
- Contact Dixon® for pressure ratings and other technical information.



Tema European Female Threaded Couplers

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	3TRF3
	3/8" - 19 BSPP	3TRBF3
1/2"	1/2" - 14 NPTF	4TRF4
	1/2" - 14 BSPP	4TRBF4
3/4"	3/4" - 14 NPTF	6TRF6
	3/4" - 14 BSPP	6TRBF6
1"	1" - 11 1/2 NPTF	8TRF8
	1" - 11 BSPP	8TRBF8

Tema European Female Threaded Plugs



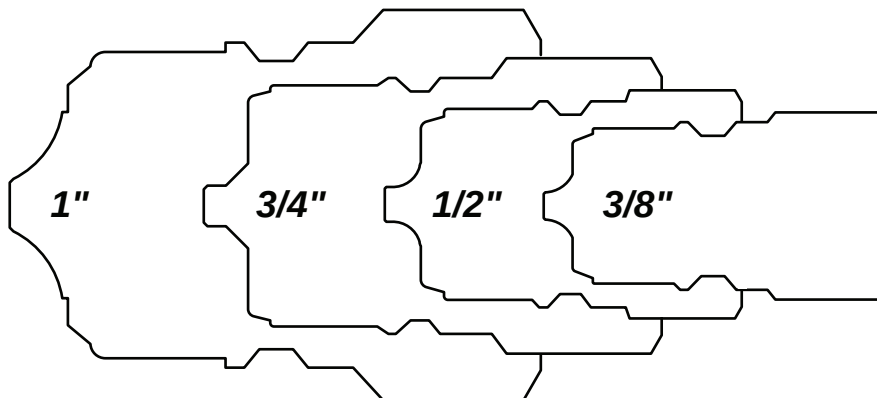
Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	TR3F3
	3/8" - 19 BSPP	TR3BF3
1/2"	1/2" - 14 NPTF	TR4F4
	1/2" - 14 BSPP	TR4BF4
3/4"	3/4" - 14 NPTF	TR6F6
	3/4" - 14 BSPP	TR6BF6
1"	1" - 11 1/2 NPTF	TR8F8
	1" - 11 BSPP	TR8BF8

Tema European Coupler Seal Kits



Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
3/8"	all	two O-rings and one PTFE back-up ring	3TR-SKIT
1/2"	all	two O-rings and one PTFE back-up ring	4TR-SKIT
3/4"	all	two O-rings and one PTFE back-up ring	6TR-SKIT
1"	all	two O-rings and one PTFE back-up ring	8TR-SKIT

Plug Profiles



Industry/Competitor Interchange

TEMA European Interchange
TEMA 3800, 5000, 7500,
1000 Series
CEJN Series 525

Please contact Dixon for dust caps and dust plugs.

LIBERTY EXHIBIT 1012, Page 474

HT-Series Hydraulic Couplings

Features:

- minimizes fluid loss resulting in a cleaner, safer work environment
- Automatic, push-to-connect couplings provide high flow with low pressure drop assuring maximum hydraulic system performance.
- To reduce the possibility of accidental disconnect, the sleeve lock safety feature requires turning the collar to unlock the coupling.
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- conforms to ISO16028 interchange standard interchangeable with Eaton/Hansen FF, Parker FEM, Snap-tite 74, Faster FFH/2FFN/2FFI, Stucchi A/FIRG and Holmbury HQ/A/FIMC

Flushface Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	2HTF2	---
	1/4" - 19 BSPP	2HTBF2	---
	9/16" - 18 ORB	2HTOF3	---
3/8"	3/8" - 18 NPTF	3HTF3	3HTF3-SS
	3/8" - 19 BSPP	3HTBF3	3HTBF3-SS
	9/16" - 18 ORB	3HTOF3	---
	1/2" - 14 NPTF	3HTF4	3HTF4-SS
	1/2" - 14 BSPP	3HTBF4	3HTBF4-SS
	3/4" - 16 ORB	3HTOF4	---
1/2"	1/2" - 14 NPTF	4HTF4	4HTF4-SS
	1/2" - 14 BSPP	4HTBF4	4HTBF4-SS
	3/4" - 16 ORB	4HTOF4	---
	7/8" - 14 ORB	4HTOF5	---
	3/4" - 14 NPTF	4HTF6	4HTF6-SS
	3/4" - 14 BSPP	4HTBF6	4HTBF6-SS
	1-1/16" - 12 ORB	4HTOF6	---
5/8"	7/8" - 14 ORB	5HTOF5	---
	3/4" - 14 NPTF	5HTF6	5HTF6-SS
	3/4" - 14 BSPP	5HTBF6	5HTBF6-SS
	1-1/16" - 12 ORB	5HTOF6	---
3/4"	7/8" - 14 ORB	6HTOF5	---
	3/4" - 14 NPTF	6HTF6	6HTF6-SS
	3/4" - 14 BSPP	6HTBF6	6HTBF6-SS
	1-1/16" - 12 ORB	6HTOF6	---
	1" - 11 1/2 NPTF	6HTF8	6HTF8-SS
	1" - 11 BSPP	6HTBF8	6HTBF8-SS
	1-5/16" - 12 ORB	6HTOF8	---
1"	1" - 11 1/2 NPTF	8HTF8	8HTF8-SS
	1" - 11 BSPP	8HTBF8	8HTBF8-SS
	1-5/16" - 12 ORB	8HTOF8	---
	1 1/4" - 11 1/2 NPTF	8HTF10	8HTF10-SS
	1 1/4" - 11 BSPP	8HTBF10	8HTBF10-SS
	1 5/8" - 12 ORB	8HTOF10	---
1 1/2"	1 1/2" - 11 1/2 NPTF	12HTF12	---
	1 1/2" - 11 BSPP	12HTBF12	---
	1 7/8" - 12 ORB	12HTOF12	---
2"	2" - 11 1/2 NPTF	16HTF16	---
	2" - 11 BSPP	16HTBF16	---
	2 1/2" - 12 ORB	16HTOF16	---



steel



316 stainless

Flushface Male Threaded Couplers

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	3HTM3
	1/2" - 14 NPTF	3HTM4
	9/16" - 18 ORB	3HTOM3
	3/4" - 16 ORB	3HTOM4
1/2"	1/2" - 14 NPTF	4HTM4



4HTM4



3HTOM4



HT-Series Hydraulic Couplings

Flushface Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	HT2F2	---
	1/4" - 19 BSPP	HT2BF2	---
	9/16" - 18 ORB	HT2OF3	---
3/8"	3/8" - 18 NPTF	HT3F3	HT3F3-SS
	3/8" - 19 BSPP	HT3BF3	HT3BF3-SS
	9/16" - 18 ORB	HT3OF3	---
	1/2" - 14 NPTF	HT3F4	HT3F4-SS
	1/2" - 14 BSPP	HT3BF4	HT3BF4-SS
	3/4" - 16 ORB	HT3OF4	---
1/2"	1/2" - 14 NPTF	HT4F4	HT4F4-SS
	1/2" - 14 BSPP	HT4BF4	HT4BF4-SS
	3/4" - 16 ORB	HT4OF4	---
	7/8" - 14 ORB	HT4OF5	---
	3/4" - 14 NPTF	HT4F6	HT4F6-SS
	3/4" - 14 BSPP	HT4BF6	HT4BF6-SS
	1-1/16" - 12 ORB	HT4OF6	---
5/8"	7/8" - 14 ORB	HT5OF5	---
	3/4" - 14 NPTF	HT5F6	HT5F6-SS
	3/4" - 14 BSPP	HT5BF6	HT5BF6-SS
	1-1/16" - 12 ORB	HT5OF6	---
3/4"	7/8" - 14 ORB	HT6OF5	---
	3/4" - 14 NPTF	HT6F6	HT6F6-SS
	3/4" - 14 BSPP	HT6BF6	HT6BF6-SS
	1-1/16" - 12 ORB	HT6OF6	---
	1" - 11 1/2 NPTF	HT6F8	HT6F8-SS
	1" - 11 BSPP	HT6BF8	HT6BF8-SS
	1-5/16" - 12 ORB	HT6OF8	---
1"	1" - 11 1/2 NPTF	HT8F8	HT8F8-SS
	1" - 11 BSPP	HT8BF8	HT8BF8-SS
	1-5/16" - 12 ORB	HT8OF8	---
	1 1/4" - 11 1/2 NPTF	HT8F10	HT8F10-SS
	1 1/4" - 11 BSPP	HT8BF10	HT8BF10-SS
	1 5/8" - 12 ORB	HT8OF10	---
1 1/2"	1 1/2" - 11 1/2 NPTF	HT12F12	---
	1 1/2" - 11 BSPP	HT12BF12	---
	1 7/8" - 12 ORB	HT12OF12	---
2"	2" - 11 1/2 NPTF	HT16F16	---
	2" - 11 BSPP	HT16BF16	---
	2 1/2" - 12 ORB	HT16OF16	---



steel



316 stainless

Flushface Male Threaded Plugs



HT4M4



HT30M4

Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	HT3M3
	1/2" - 14 NPTF	HT3M4
	9/16" - 18 ORB	HT3OM3
	3/4" - 16 ORB	HT3OM4
1/2"	1/2" - 14 NPTF	HT4M4

HT-Series Hydraulic Couplings

Flushface Male Threaded Bulkhead Couplers

Body Size	Threads	Steel Part #
1/2"	7/8" - 14 JIC BH 1" - 14 ORFS BH 1-1/16" - 12 JIC BH	4HTJB5 4HTRB5 4HTJB6



4HTJB5



4HTRB5

Hydraulic Fittings

Flushface Male Threaded Bulkhead Plugs

Body Size	Threads	Steel Part #
1/2"	7/8" - 14 JIC BH 1" - 14 ORFS BH 1-1/16" - 12 JIC BH	HT4JB5 HT4RB5 HT4JB6



HT4JB5



HT4RB5

Flushface Coupler Dust Plugs

Body Size	Nitrile Part #
1/4"	2HTDP
3/8"	3HTDP
1/2"	4HTDP
5/8"	5HTDP
3/4"	6HTDP
1"	8HTDP



Flushface Plug Dust Caps

Body Size	Nitrile Part #
1/4"	HT2DC
3/8"	HT3DC
1/2"	HT4DC
5/8"	HT5DC
3/4"	HT6DC
1"	HT8DC



HT-Series Hydraulic Couplings

Hydraulic Fittings

Flushface Interchange Coupler Bulkhead Kits

Body Size	Mounting Hole	Description	Steel Part #
1/4"	1.125"	Two 360° retaining rings	2HT-BMK
3/8"	1.250"	Two 360° retaining rings	3HT-BMK
1/2"	1.560"	Two 360° retaining rings	4HT-BMK
5/8"	1.685"	Two 360° retaining rings	5HT-BMK
3/4"	1.870"	Two 360° retaining rings	6HT-BMK
1"	2.310"	Two 360° retaining rings	8HT-BMK

Flushface Interchange Coupler Seal Kits

Body Size	Coupler Style	Description	Nitrile Part #
1/4"	all	Stem/adaptor/gland O-ring, gland B.U.	2HT-SKIT
3/8"	all	Stem/adaptor/gland O-ring, gland B.U.	3HT-SKIT
1/2"	all	Stem/adaptor/gland O-ring, gland B.U.	4HT-SKIT
5/8"	all	Stem/adaptor/gland O-ring, gland B.U.	5HT-SKIT
3/4"	all	Stem/adaptor/gland O-ring, gland B.U.	6HT-SKIT
1"	all	Stem/adaptor/gland O-ring, gland B.U.	8HT-SKIT

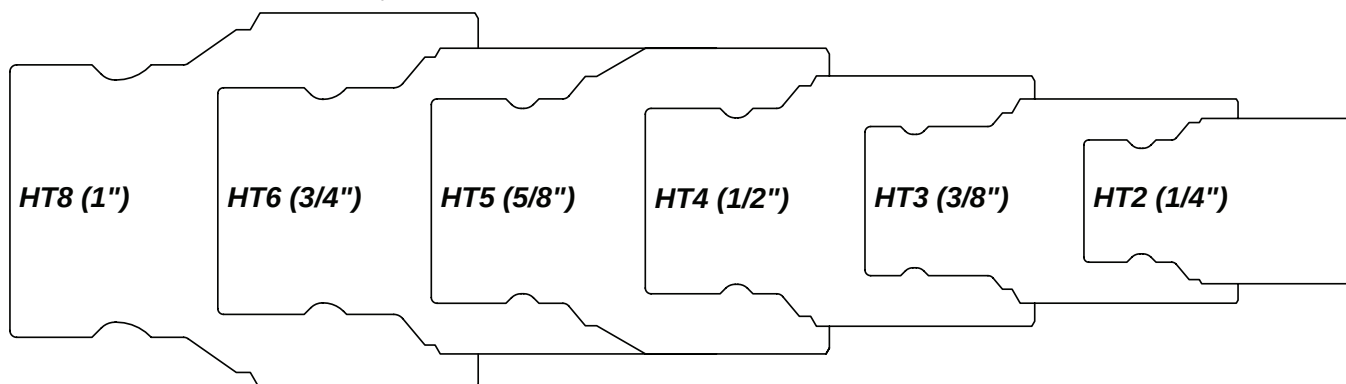
Flushface Interchange Nipple Seal Kits

Body Size	Nipple Style	Description	Nitrile Part #
1/4"	all	Main valve seal and adapter O-ring	HT2-SKIT-V2
3/8"	all	Main valve seal and adapter O-ring	HT3-SKIT-V2
1/2"	all	Main valve seal and adapter O-ring	HT4-SKIT-V2
5/8"	all	Main valve seal and adapter O-ring	HT5-SKIT-V2
3/4"	all	Main valve seal and adapter O-ring	HT6-SKIT-V2
1"	all	Main valve seal and adapter O-ring	HT8-SKIT-V2

Profiles

Industry/Competitor Interchange

Parker FEM-Series, Snap-Tite 74-Series, Hansen FF, Aeroquip/Eaton FD89, Stucchi FIRG/Series 'A', Faster FFN/FFI/2FFN/2FFI, Safeway FF49-Series



HTE-Series Hydraulic Couplings

Features:

- non-linear connection force at all pressures
- no maximum connection-pressure restrictions, up to **5000 PSI**
- head pressure or valve bleed-by has minimal effect on connection force
- less susceptible to system contamination
- design is scalable performing similarly in all sizes
- smooth connection action
- connectable with trapped pressure on HTE half only
- pressure rating **5000 PSI at 70°F (21°C)**
- conforms to ISO 16028

Connect Under Pressure Flushface Female Threaded Plug**Feature:**

- for use with HTZ or HT series couplers

Body Size	Threads	Steel Part #
3/8"	1/2"-14 NPTF	HTE3F4
	1/2"-14 BSPP	HTE3BF4
	3/4"-16 ORB	HTE3OF4
1/2"	1/2"-14 NPTF	HTE4F4
	1/2"-14 BSPP	HTE4BF4
	3/4"-16 ORB	HTE4OF4
	7/8"-14 ORB	HTE4OF5
	3/4"-14 NPTF	HTE4F6
	3/4"-14 BSPP	HTE4BF6
	1-1/16"-12 ORB	HTE4OF6
5/8"	7/8"-14 ORB	HTE5OF5
	3/4"-14 NPTF	HTE5F6
	3/4"-14 BSPP	HTE5BF6
	1-1/16"-12 ORB	HTE5OF6
3/4"	3/4"-14 NPTF	HTE6F6
	3/4"-14 BSPP	HTE6BF6
	1-1/16"-12 ORB	HTE6OF6
	1"-11 1/2 NPTF	HTE6F8
	1"-11 BSPP	HTE6BF8
	1-5/16"-12 ORB	HTE6OF8
1"	1"-11 1/2 NPTF	HTE8F8
	1"-11 BSPP	HTE8BF8
	1-5/16"-12 ORB	HTE8OF8
	1 1/4"-11 1/2 NPTF	HTE8F10
	1 1/4"-11 BSPP	HTE8BF10
	1 5/8"-12 ORB	HTE8OF10



HTZ-Series Hydraulic Couplings

Flush Face Female Threaded Coupler

Hydraulic Fittings

NEW**Features:**

- for use with HT or HTE series plugs
- connectable with trapped pressure on HTE half only
- connect under pressure up to **1500 PSI at 70°F (21°C)**
- pressure rating **5000 PSI at 70°F (21°C)**

Body Size	Threads	Steel Part #
1/2"	1/2"-14 NPTF	4HTZF4
	3/4"-14 NPTF	4HTZF6
	3/4"-16 ORB	4HTZOF4
	7/8"-14 ORB	4HTZOF5
	1-1/16"-12 ORB	4HTZOF6



ST-Series Hydraulic Couplings

Features:

- interchangeable with Snap-Tite 71-Series
- Nitrile (Buna-N) seals standard, providing a temperature range of -40°F to 250°F (-40°C to 121°C)
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- steel coupler sleeves are hardened to resist deformation and maximize service life
- steel nipples are hardened to provide heavy duty performance

Snap-Tite 71 Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	2STF2	2STF2-SS
	1/4" - 19 BSPP	2STBF2	2STBF2-SS
3/8"	1/4" - 18 NPTF	3STF2	---
	3/8" - 18 NPTF	3STF3	3STF3-SS
	3/8" - 19 BSPP	3STBF3	3STBF3-SS
	1/2" - 14 NPTF	3STF4	3STF4-SS
	1/2" - 14 BSPP	3STBF4	3STBF4-SS
1/2"	1/2" - 14 NPTF	4STF4	4STF4-SS
	1/2" - 14 BSPP	4STBF4	4STBF4-SS
	3/4" - 16 ORB	4STOF4	---
3/4"	3/4" - 14 NPTF	6STF6	6STF6-SS
	3/4" - 14 BSPP	6STBF6	6STBF6-SS
	1-1/16" - 12 ORB	6STOF6	---
1"	1" - 11 1/2 NPTF	8STF8	8STF8-SS
	1" - 11 BSPP	8STBF8	8STBF8-SS
	1-5/16" - 12 ORB	8STOF8	---
	1 1/4" - 11 1/2 NPTF	8STF10	8STF10-SS
	1 1/4" - 11 BSPP	8STBF10	8STBF10-SS
	1 5/8" - 12 ORB	8STOF10	---



steel



316 stainless

Snap-Tite 71 Old Style Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1"	1" - 11 1/2 NPTF	8STF8-V2	---
	1" - 11 BSPP	8STBF8-V2	---
	1 1/4" - 11 1/2 NPTF	8STF10-V2	---
2"	1 1/2" - 11 1/2 NPTF	16STF12	---
	1 1/2" - 11 BSPP	16STBF12	---
	1-7/8" - 12 ORB	16STOF12	---
	2" - 11 1/2 NPTF	16STF16	16STF16-SS
	2" - 11 BSPP	16STBF16	---
	2 1/2" - 12 ORB	16STOF16	---



steel



316 stainless

ST-Series Hydraulic Couplings

Hydraulic Fittings



steel



316 stainless

Snap-Tite 71 Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	ST2F2	ST2F2-SS
	1/4" - 19 BSPP	ST2BF2	ST2BF2-SS
3/8"	1/4" - 18 NPTF	ST3F2	---
	3/8" - 18 NPTF	ST3F3	ST3F3-SS
	3/8" - 19 BSPP	ST3BF3	ST3BF3-SS
	1/2" - 14 NPTF	ST3F4	ST3F4-SS
	1/2" - 14 BSPP	ST3BF4	ST3BF4-SS
1/2"	1/2" - 14 NPTF	ST4F4	ST4F4-SS
	1/2" - 14 BSPP	ST4BF4	ST4BF4-SS
	3/4" - 16 ORB	ST4OF4	---
3/4"	3/4" - 14 NPTF	ST6F6	ST6F6-SS
	3/4" - 14 BSPP	ST6BF6	ST6BF6-SS
	1-1/16" - 12 ORB	ST6OF6	---
1"	1" - 11 1/2 NPTF	ST8F8	ST8F8-SS
	1" - 11 BSPP	ST8BF8	ST8BF8-SS
	1-5/16" - 12 ORB	ST8OF8	---
	1 1/4" - 11 1/2 NPTF	ST8F10	ST8F10-SS
	1 1/4" - 11 BSPP	ST8BF10	ST8BF10-SS
	1 5/8" - 12 ORB	ST8OF10	---

Snap-Tite 71 Old Style Female Threaded Plugs



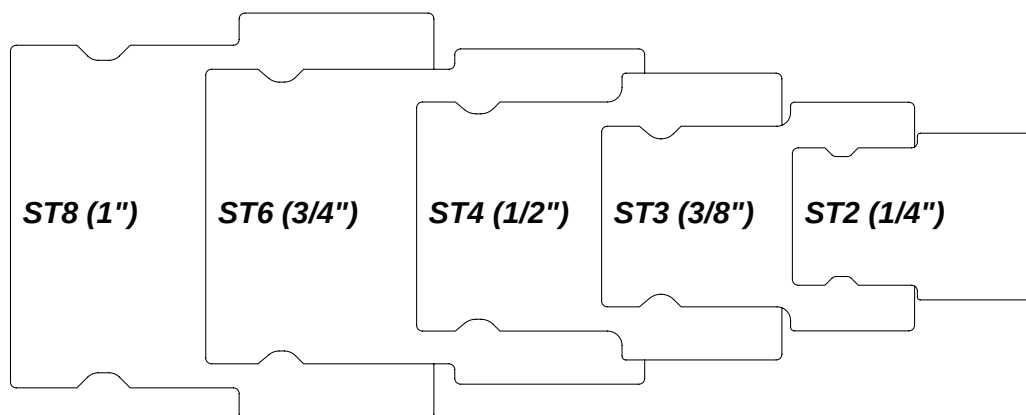
steel



316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
1"	1" - 11 1/2 NPTF	ST8F8-V2	---
	1" - 11 BSPP	ST8BF8-V2	---
	1 1/4" - 11 1/2 NPTF	ST8F10-V2	---
2"	1 1/2" - 11 1/2 NPTF	ST16F12	---
	1 1/2" - 11 BSPP	ST16BF12	---
	1-7/8" - 12 ORB	ST16OF12	---
	2" - 11 1/2 NPTF	ST16F16	ST16F16-SS
	2" - 11 BSPP	ST16BF16	---
	2 1/2" - 12 ORB	ST16OF16	---

Plug Profiles



ST-Series Hydraulic Couplings

Dust Plugs

Body Size	Aluminum body with steel cable Part #
1/4"	2STDP-A
3/8"	3STDP-A
1/2"	4STDP-A
3/4"	6STDP-A
1"	8STDP-A
1"	8STDP-A-V2
2"	16STDP-A



Dust Caps

Body Size	Aluminum body with steel cable Part #
1/4"	ST2DC-A
3/8"	ST3DC-A
1/2"	ST4DC-A
3/4"	ST6DC-A
1"	ST8DC-A
1"	ST8DC-A-V2
2"	ST16DC-A



Snap-Tite 71 Bulkhead Kits

Body Size	Mounting Hole ID	Seal Kit Contents	Steel Part #
1/4"	1.250"	two 360° retaining rings	2ST-BMK
3/8"	1.625"	two 360° retaining rings	3ST-BMK
1/2"	2.000"	two 360° retaining rings	4ST-BMK
3/4"	2.375"	two 360° retaining rings	6ST-BMK

Snap-Tite 71 Coupler Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
1/4"	all	two seals and anti-extrusion rings	2ST-SKIT
3/8"	all	two seals and anti-extrusion rings	3ST-SKIT
1/2"	all	two seals and anti-extrusion rings	4ST-SKIT
3/4"	all	two seals and anti-extrusion rings	6ST-SKIT
1"	all	two seals and anti-extrusion rings	8ST-SKIT
1"	all	three seals and two anti-extrusion rings	8ST-SKIT-V2
2"	all	three seals and two anti-extrusion rings	16ST-SKIT

Snap-Tite 71 Plug Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
1/4"	all	valve O-ring / back-up and adapter O-ring	ST2-SKIT
3/8"	all	valve O-ring / back-up and adapter O-ring	ST3-SKIT
1/2"	all	valve O-ring / back-up and adapter O-ring	ST4-SKIT
3/4"	all	valve O-ring / back-up and adapter O-ring	ST6-SKIT
1"	all	valve O-ring / back-up and adapter O-ring	ST8-SKIT
2"	all	main valve seal	ST16-SKIT



PD-Series Diagnostic Interchange Couplings

Features:

- interchangeable with ISO15171-1, Parker PD-Series, Aeroquip FD90, Tomco Series DK
- steel componentry is plated using ROHS Compliant Trivalent Chrome
- PTFE anti-extrusion ring protects main coupler O-ring from dynamic impulse pressure damage
- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- pressure rating **6000 PSI at 70°F (21°C)**



Female NPT Couplers

Body Size	Threads	Steel Part #
1/8"	1/8" - 27 NPT	1PDF1
	1/4" - 18 NPT	1PDF2



Male NPT Couplers

Body Size	Threads	Steel Part #
1/8"	1/4" - 18 NPT	1PDM2



Female NPT Plugs

Body Size	Threads	Steel Part #
1/8"	1/8" - 27 NPT	PD1F1
	1/4" - 18 NPT	PD1F2



Male Threaded Plugs

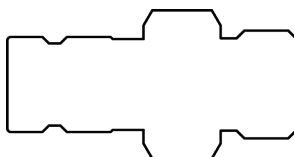
Body Size	Threads	Steel Part #
1/8"	1/8" - 27 NPT	PD1M1
	1/4" - 18 NPT	PD1M2
	7/16" - 20 ORB	PD1OM2
	9/16" - 18 ORB	PD1OM3



Dust Caps

Body Size	Nitrile Part #
1/8"	H1DC

Plug Profile



VEP-Series Hydraulic Couplings

Features:

- no-spill, flush face valve minimizes air inclusion during connection and spillage during disconnection
- thread-to-connect design and dual valve system in the plug allow for connecting under pressure
- design eliminates premature wear or brinelling commonly found with locking ball designs when subjected to high impulse pressures
- Zinc nickel plating provides superior corrosion resistance
- interchangeable with Parker FET, Stucchi VEP, DNP PST 4/FSI, Holmbury HFT
- Contact Dixon® for pressure ratings and other technical information.

Female Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPTF	2VEPF2
	1/4" - 19 BSPP	2VEPBF2
	9/16" - 18 ORB	2VEPOF3
3/8"	3/8" - 18 NPTF	3VEPF3
	3/8" - 19 BSPP	3VEPBF3
	3/4" - 16 ORB	3VEPOF4
	1/2" - 14 NPTF	3VEPF4
	1/2" - 14 BSPP	3VEPBF4
1/2"	1/2" - 14 NPTF	4VEPF4
	1/2" - 14 BSPP	4VEPBF4
	3/4" - 16 ORB	4VEPOF4
	7/8" - 14 ORB	4VEPOF5
	3/4" - 14 NPTF	4VEPF6
	3/4" - 14 BSPP	4VEPBF6
	1-1/16" - 12 ORB	4VEPOF6
3/4"	3/4" - 14 NPTF	6VEPF6
	3/4" - 14 BSPP	6VEPBF6
	1-1/16" - 12 ORB	6VEPOF6
1"	1" - 11 1/2 NPTF	8VEPF8
	1" - 11 BSPP	8VEPBF8
	1-5/16" - 12 ORB	8VEPOF8
1 1/4"	1 1/4" - 11 1/2 NPTF	10VEPF10
	1 1/4" - 11 BSPP	10VEPBF10
	1-5/8" - 12 ORB	10VEPOF10
1 1/2"	1 1/2" - 11 1/2 NPTF	12VEPF12
	1 1/2" - 11 BSPP	12VEPBF12
	1-7/8" - 12 ORB	12VEPOF12
2"	2" - 11 1/2 NPTF	16VEPF16
	2" - 11 BSPP	16VEPBF16
	2 1/2" - 12 ORB	16VEPOF16



VEP-Series Hydraulic Couplings



Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPTF	VEP2F2
	1/4" - 19 BSPP	VEP2BF2
	9/16" - 18 ORB	VEP2OF3
3/8"	3/8" - 18 NPTF	VEP3F3
	3/8" - 19 BSPP	VEP3BF3
	3/4" - 16 ORB	VEP3OF4
	1/2" - 14 NPTF	VEP3F4
	1/2" - 14 BSPP	VEP3BF4
1/2"	1/2" - 14 NPTF	VEP4F4
	1/2" - 14 BSPP	VEP4BF4
	3/4" - 16 ORB	VEP4OF4
	7/8" - 14 ORB	VEP4OF5
	3/4" - 14 NPTF	VEP4F6
	3/4" - 14 BSPP	VEP4BF6
	1-1/16" - 12 ORB	VEP4OF6
3/4"	3/4" - 14 NPTF	VEP6F6
	3/4" - 14 BSPP	VEP6BF6
	1-1/16" - 12 ORB	VEP6OF6
1"	1" - 11 1/2 NPTF	VEP8F8
	1" - 11 BSPP	VEP8BF8
	1-5/16" - 12 ORB	VEP8OF8
1 1/4"	1 1/4" - 11 1/2 NPTF	VEP10F10
	1 1/4" - 11 BSPP	VEP10BF10
	1-5/8" - 12 ORB	VEP10OF10
1 1/2"	1 1/2" - 11 1/2 NPTF	VEP12F12
	1 1/2" - 11 BSPP	VEP12BF12
	1-7/8" - 12 ORB	VEP12OF12
2"	2" - 11 1/2 NPTF	VEP16F16
	2" - 11 BSPP	VEP16BF16
	2 1/2" - 12 ORB	VEP16OF16

Dust Plugs



Body Size	Aluminum body with steel cable Part #
1/4"	2VEPDP-A
3/8"	3VEPDP-A
1/2"	4VEPDP-A
3/4"	6VEPDP-A
1"	8VEPDP-A
1 1/4"	10VEPDP-A
1 1/2"	12VEPDP-A
2"	16VEPDP-A

Dust Caps



Body Size	Aluminum body with steel cable Part #
1/4"	VEP2DC-A
3/8"	VEP3DC-A
1/2"	VEP4DC-A
3/4"	VEP6DC-A
1"	VEP8DC-A
1 1/4"	VEP10DC-A
1 1/2"	VEP12DC-A
2"	VEP16DC-A

VEP-Series Hydraulic Couplings

Code 62 Flange Head Coupler

Body Size	Port Size	Steel Part #
3/4"	3/4"	6VEPFH6
1"	1"	8VEPFH8
1 1/4"	1 1/4"	10VEPFH10
1 1/2"	1 1/2"	12VEPFH12
2"	2"	16VEPFH16



flange head coupler

Hydraulic Fittings

Code 62 Flange Head Plug

Body Size	Port Size	Steel Part #
3/4"	3/4"	VEP6FH6
1"	1"	VEP8FH8
1 1/4"	1 1/4"	VEP10FH10
1 1/2"	1 1/2"	VEP12FH12
2"	2"	VEP16FH16



flange head plug

Code 62 Flange Pad Coupler

Body Size	Port Size	Steel Part #
3/4"	3/4"	6VEFPF6
1"	1"	8VEFPF8
1 1/4"	1 1/4"	10VEFPF10
1 1/2"	1 1/2"	12VEFPF12
2"	2"	16VEFPF16



flange pad coupler

H

Code 62 Flange Pad Plug

Body Size	Port Size	Steel Part #
3/4"	3/4"	VEP6FP6
1"	1"	VEP8FP8
1 1/4"	1 1/4"	VEP10FP10
1 1/2"	1 1/2"	VEP12FP12
2"	2"	VEP16FP16



flange pad plug

VEP-BOP Series Hydraulic Couplings

Features:

- red powder coated components and external O-rings for easy BOP service identification
- steel components are plated using ROHS compliant zinc nickel
- blow-out preventer (BOP) coupling critical seals are severe service FKM
- interchangeable with VEP/VEP-HD Series, DNP FSI-BOP Series
- pressure rating **5000 PSI at 70°F (21°C)**
- BOP couplings have been fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D. Certificate available upon request.

Female Threaded Couplers



Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	3VEPF3-BOP
1/2"	1/2" - 14 NPTF	4VEPF4-BOP
3/4"	3/4" - 14 NPTF	6VEPF6-BOP
1"	1" - 11 1/2 NPTF	8VEPF8-BOP
1 1/4"	1 1/4" - 11 1/2 NPTF	10VEPF10-BOP
1 1/2"	1 1/2" - 11 1/2 NPTF	12VEPF12-BOP

Female Threaded Plugs



Body Size	Threads	Steel Part #
3/8"	3/8" - 18 NPTF	VEP3F3-BOP
1/2"	1/2" - 14 NPTF	VEP4F4-BOP
3/4"	3/4" - 14 NPTF	VEP6F6-BOP
1"	1" - 11 1/2 NPTF	VEP8F8-BOP
1 1/4"	1 1/4" - 11 1/2 NPTF	VEP10F10-BOP
1 1/2"	1 1/2" - 11 1/2 NPTF	VEP12F12-BOP

W-Series Hydraulic Couplings

Applications:

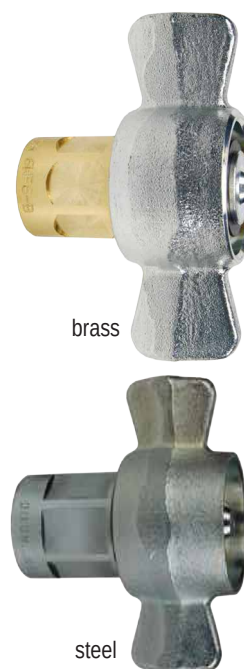
- Designed for applications requiring a coupling that can be connected under residual pressure with minimum spillage and air inclusion. Widely used on dump trailer wet-line hydraulic systems and oil field equipment. Not recommended for continuous hydraulic impulse applications.

Features:

- interchangeable with Aeroquip 5100 series, Parker 6100 series and Snap-Tite 78 series
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F** (**-40°C to 121°C**)
- Contact Dixon® for pressure ratings and other technical information.

Female Threaded Couplers

Body Size	Threads	Previous Part #	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	---	2WF1-B	---
3/8"	1/4" - 18 NPTF	---	3WF2-B	---
	3/8" - 18 NPTF	---	3WF3-B	---
3/4"	1/2" - 14 NPTF	---	6WF4-B	---
	1/2" - 14 BSPP	---	6WBF4-B	---
	3/4" - 14 NPTF	78-600	6WF6-B	---
	3/4" - 14 BSPP	---	6WBF6-B	---
1"	1" - 11 1/2 NPTF	78-800	8WF8-B	8WF8
	1" - 11 BSPP	---	8WBF8-B	---
1 1/4"	1 1/4" - 11 1/2 NPTF	78-1000	10WF10-B	---
	1 1/4" - 11 BSPP	---	10WBF10-B	---
1 1/2"	1 1/2" - 11 1/2 NPTF	78-1200	12WF12-B	---
	1 1/2" - 11 BSPP	---	12WBF12-B	---



Hex-Nut Female Threaded Couplers

Body Size	Threads	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	2WF1-B-HN	---
3/8"	1/4" - 18 NPTF	3WF2-B-HN	---
	3/8" - 18 NPTF	3WF3-B-HN	---
3/4"	1/2" - 14 NPTF	6WF4-B-HN	---
	1/2" - 14 BSPP	6WBF4-B-HN	---
	3/4" - 14 NPTF	6WF6-B-HN	---
	3/4" - 14 BSPP	6WBF6-B-HN	---
1"	1" - 11 1/2 NPTF	8WF8-B-HN	8WF8-HN
	1" - 11 BSPP	8WBF8-B-HN	---
1 1/4"	1 1/4" - 11 1/2 NPTF	10WF10-B-HN	---
	1 1/4" - 11 BSPP	10WBF10-B-HN	---
1 1/2"	1 1/2" - 11 1/2 NPTF	12WF12-B-HN	---
	1 1/2" - 11 BSPP	12WBF12-B-HN	---



W-Series Hydraulic Couplings

Hydraulic Fittings



brass



steel

Female Threaded Plugs

Body Size	Threads	Previous Part #	Brass Part #	Steel Part #
1/4"	1/8" - 27 NPTF	---	W2F1-B	---
3/8"	1/4" - 18 NPTF 3/8" - 18 NPTF	---	W3F2-B W3F3-B	---
3/4"	1/2" - 14 NPTF 1/2" - 14 BSPP 3/4" - 14 NPTF 3/4" - 14 BSPP	---	W6F4-B W6BF4-B W6F6-B W6BF6-B	---
1"	1" - 11 1/2 NPTF 1" - 11 BSPP	79-600 ---	W8F8-B W8BF8-B	W8F8 ---
1 1/4"	1 1/4" - 11 1/2 NPTF 1 1/4" - 11 BSPP	79-1000 ---	W10F10-B W10BF10-B	---
1 1/2"	1 1/2" - 11 1/2 NPTF 1 1/2" - 11 BSPP	79-1200 ---	W12F12-B W12BF12-B	---

Flanges



Body Size	Bolt Hole Size	Previous Part #	Steel Part #
3/4"	0.201"	77-600	W6-BMF
1"	0.201"	77-800	W8-BMF
1 1/4"	0.201"	77-1000	W10-BMF
1 1/2"	0.201"	77-1200	W12-BMF

Dust Plugs



Body Size	Previous Part #	Steel body with steel cable Part #
1/4"	---	2WDP
3/8"	---	3WDP
3/4"	78-006	6WDP
1"	78-008	8WDP
1 1/4"	78-010	10WDP
1 1/2"	78-012	12WDP

Dust Caps



Body Size	Previous Part #	Steel body with steel cable Part #
1/4"	---	W2DC
3/8"	---	W3DC
3/4"	79-006	W6DC
1"	79-008	W8DC
1 1/4"	79-010	W10DC
1 1/2"	79-012	W12DC

W-Series Hydraulic Couplings

Coupler Repair Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
3/4"	all	bonded valve, O-rings, and PTFE backup	6W-RKIT-V2
1"	all	bonded valve, O-rings, and PTFE backup	8W-RKIT-V2
1 1/4"	all	bonded valve, O-rings, and PTFE backup	10W-RKIT-V2
1 1/2"	all	bonded valve, O-rings, and PTFE backup	12W-RKIT-V2



Hydraulic Fittings

Plug Repair Kits

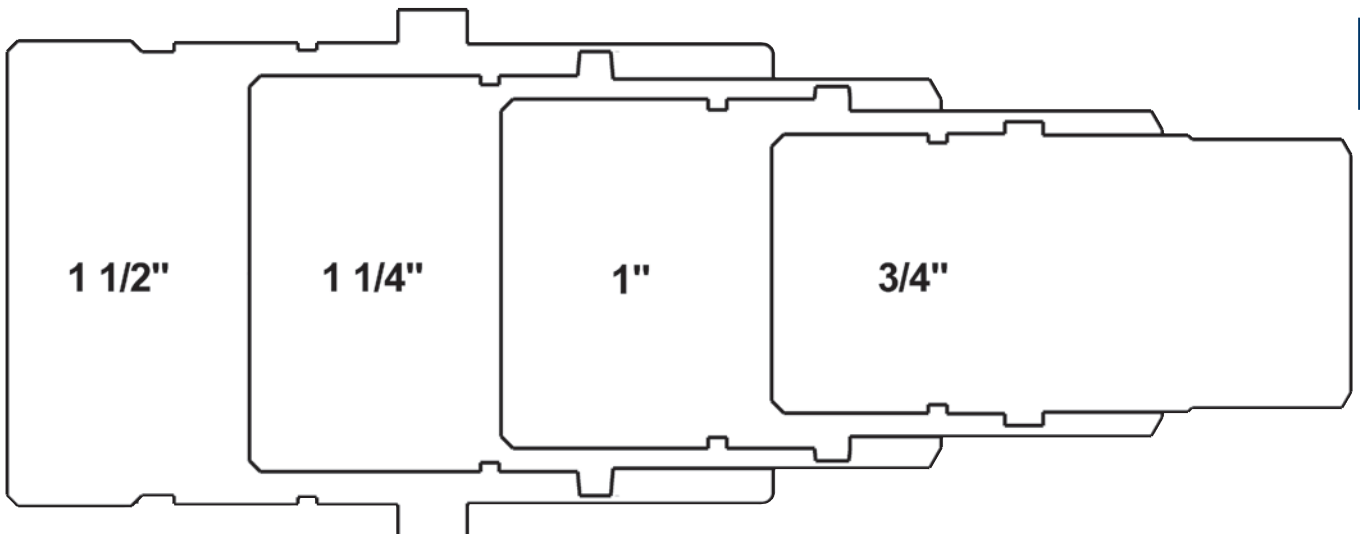
Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
3/4"	all	valve assembly and O-ring	W6-RKIT-V2
1"	all	valve assembly and O-ring	W8-RKIT-V2
1 1/4"	all	valve assembly and O-ring	W10-RKIT-V2
1 1/2"	all	valve assembly and O-ring	W12-RKIT-V2



Profiles

Industry/Competitor Interchange

Aeroquip 5100
Parker 6100



WS-Series Hydraulic Couplings

Application:

- used extensively in oil field and off shore oil rig applications

Features:

- interchanges with Snap-Tite 75 series
- Nitrile (Buna-N) seals standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for pressure ratings and other technical information.

High Pressure Wingstyle Female Threaded Couplers

steel



316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/4"	1/2" - 14 NPTF	6WSF4	---
	3/4" - 14 NPTF	6WSF6	6WSF6-SS
	3/4" - 14 BSPP	6WSBF6	6WSBF6-SS
	1-1/16" - 12 ORB	6WSOF6	---
1"	1" - 11 1/2 NPTF	8WSF8	8WSF8-SS
	1" - 11 BSPP	8WSBF8	8WSBF8-SS
	1-5/16" - 12 ORB	8WSOF8	---
1 1/4"	1 1/4" - 11 1/2 NPTF	10WSF10	10WSF10-SS
	1 1/4" - 11 BSPP	10WSBF10	10WSBF10-SS
	1 5/8" - 12 ORB	10WSOF10	---
1 1/2"	1 1/2" - 11 1/2 NPTF	12WSF12	12WSF12-SS
	1 1/2" - 11 BSPP	12WSBF12	12WSBF12-SS
	1 7/8" - 12 ORB	12WSOF12	---
2"	2" - 11 1/2 NPTF	16WSF16	16WSF16-SS
	2" - 11 BSPP	16WSBF16	16WSBF16-SS
	2 1/2" - 12 ORB	16WSOF16	---

High Pressure Wingstyle Female Threaded Plugs

steel



316 stainless

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/4"	1/2" - 14 NPTF	WS6F4	---
	3/4" - 14 NPTF	WS6F6	WS6F6-SS
	3/4" - 14 BSPP	WS6BF6	WS6BF6-SS
	1-1/16" - 12 ORB	WS6OF6	---
1"	1" - 11 1/2 NPTF	WS8F8	WS8F8-SS
	1" - 11 BSPP	WS8BF8	WS8BF8-SS
	1-5/16" - 12 ORB	WS8OF8	---
1 1/4"	1 1/4" - 11 1/2 NPTF	WS10F10	WS10F10-SS
	1 1/4" - 11 BSPP	WS10BF10	WS10BF10-SS
	1 5/8" - 12 ORB	WS10OF10	---
1 1/2"	1 1/2" - 11 1/2 NPTF	WS12F12	WS12F12-SS
	1 1/2" - 11 BSPP	WS12BF12	WS12BF12-SS
	1 7/8" - 12 ORB	WS12OF12	---
2"	2" - 11 1/2 NPTF	WS16F16	WS16F16-SS
	2" - 11 BSPP	WS16BF16	WS16BF16-SS
	2 1/2" - 12 ORB	WS16OF16	---

WS-Series Hydraulic Couplings

High Pressure Wingstyle Code 62 Flange Head Coupler

Body Size	Port Size	Steel Part #
3/4"	3/4"	6WSFH6
1"	1"	8WSFH8
1 1/4"	1 1/4"	10WSFH10
1 1/2"	1 1/2"	12WSFH12
2"	2"	16WSFH16



Hydraulic Fittings

High Pressure Wingstyle Code 62 Flange Head Plug

Body Size	Port Size	Steel Part #
3/4"	3/4"	WS6FH6
1"	1"	WS8FH8
1 1/4"	1 1/4"	WS10FH10
1 1/2"	1 1/2"	WS12FH12
2"	2"	WS16FH16



High Pressure Wingstyle Code 62 Flange Pad Coupler

Body Size	Port Size	Steel Part #
3/4"	3/4"	6WSFP6
1"	1"	8WSFP8
1 1/4"	1 1/4"	10WSFP10
1 1/2"	1 1/2"	12WSFP12
2"	2"	16WSFP16



H

High Pressure Wingstyle Code 62 Flange Pad Plug

Body Size	Port Size	Steel Part #
3/4"	3/4"	WS6FP6
1"	1"	WS8FP8
1 1/4"	1 1/4"	WS10FP10
1 1/2"	1 1/2"	WS12FP12
2"	2"	WS16FP16



WS-Series Hydraulic Couplings

Hydraulic Fittings



High Pressure Wingstyle Rigid Dust Plugs

Body Size	Aluminum body with steel cable Part #
3/4"	6WSDP-A
1"	8WSDP-A
1 1/4"	10WSDP-A
1 1/2"	12WSDP-A
2"	16WSDP-A

High Pressure Wingstyle Rigid Dust Caps



Body Size	Aluminum body with steel cable Part #
3/4"	WS6DC-A
1"	WS8DC-A
1 1/4"	WS10DC-A
1 1/2"	WS12DC-A
2"	WS16DC-A

High Pressure Wingstyle Coupler Seal Kits



Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
3/4"	all	body / valve seals and retaining rings	6WS-SKIT
1"	all	body / valve seals and retaining rings	8WS-SKIT
1 1/4"	all	body / valve seals and retaining rings	10WS-SKIT
1 1/2"	all	body / valve seals and retaining rings	12WS-SKIT
2"	all	body / valve seals and retaining rings	16WS-SKIT

High Pressure Wingstyle Coupler Repair Kits



Body Size	Coupler Style	Repair Kit Contents	Nitrile Part #
3/4"	all	valve assembly, O-ring, and PTFE B.U.	6WS-RKIT
1"	all	valve assembly, O-ring, and PTFE B.U.	8WS-RKIT
1 1/4"	all	valve assembly, O-ring, and PTFE B.U.	10WS-RKIT
1 1/2"	all	valve assembly, O-ring, and PTFE B.U.	12WS-RKIT
2"	all	valve assembly, O-ring, and PTFE B.U.	16WS-RKIT

WS-BOP Series Hydraulic Couplings

Applications:

- designed for use in oil rig BOP systems where couplings are required to operate under fire conditions in an emergency

Features:

- fire tested and Lloyd's certified to **1300°F (700°C)** in accordance with API 16D (Certificate #NAO 0601041/1)
- Contact Dixon® for pressure ratings and other technical information.
- Sleeve is cast using a process that provides better surface finishes, tighter tolerance control, and excellent repeatability.
- Blowout Preventer Couplings are individually marked with the BOP series designation.

High Pressure Wingstyle Female Threaded Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/4"	1/2" - 14 NPTF 3/4" - 14 NPTF	6WSF4-BOP 6WSF6-BOP	--- 6WSF6-SS-BOP
1"	1" - 11 1/2 NPTF	8WSF8-BOP	8WSF8-SS-BOP
1 1/4"	1 1/4" - 11 1/2 NPTF	10WSF10-BOP	10WSF10-SS-BOP
1 1/2"	1 1/2" - 11 1/2 NPTF	12WSF12-BOP	12WSF12-SS-BOP
2"	2" - 11 1/2 NPTF	16WSF16-BOP	16WSF16-SS-BOP



High Pressure Wingstyle Female Threaded Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/4"	1/2" - 14 NPTF 3/4" - 14 NPTF	WS6F4-BOP WS6F6-BOP	--- WS6F6-SS-BOP
1"	1" - 11 1/2 NPTF	WS8F8-BOP	WS8F8-SS-BOP
1 1/4"	1 1/4" - 11 1/2 NPTF	WS10F10-BOP	WS10F10-SS-BOP
1 1/2"	1 1/2" - 11 1/2 NPTF	WS12F12-BOP	WS12F12-SS-BOP
2"	2" - 11 1/2 NPTF	WS16F16-BOP	WS16F16-SS-BOP



High Pressure Wingstyle Seal Kits

Body Size	Coupler Style	Repair Kit Contents	FR FKM Part #
3/4"	all	body / valve seals and retaining rings	6BOP-SKIT
1"	all	body / valve seals and retaining rings	8BOP-SKIT
1 1/4"	all	body / valve seals and retaining rings	10BOP-SKIT
1 1/2"	all	body / valve seals and retaining rings	12BOP-SKIT
2"	all	body / valve seals and retaining rings	16BOP-SKIT



T-Series Hydraulic Couplings

Applications:

- Designed for high pressure applications including hydraulic rams and pumps where low flow and pressures up to 10,000 PSI are encountered.

Features:

- interchangeable with Parker 3000 and Enerpac C 604
- nitrile O-ring with TPC-ET back up ring standard providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- both poppet valve and ball valve styles available



Female NPTF Ball Coupler

Body Size	Threads	Previous Part #	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPTF	30-300F	3TF3	



Male NPTF Ball Couplers

Body Size	Threads	Previous Part #	Steel Part #	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	30-200	2TM2	---	---
3/8"	3/8" - 18 NPTF	30-300	3TM3	3/8" - 18 NPT	3TM3-SS



Male NPTF Poppet Couplers

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPT	3TM3-PV	3TM3-SS-PV



Female NPTF Ball Plugs

Body Size	Threads	Previous Part #	Steel Part #	Threads	316 Stainless Steel Part #
1/4"	1/4" - 18 NPTF	31-200	T2F2	---	---
3/8"	3/8" - 18 NPTF	31-300	T3F3	3/8" - 18 NPT	T3F3-SS



Female NPTF Poppet Plugs

Body Size	Threads	Steel Part #	316 Stainless Steel Part #
3/8"	3/8" - 18 NPT	T3F3-PV	T3F3-SS-PV

T-Series Hydraulic Couplings

Dust Plugs

Body Size	Previous Part #	Steel body with rubber lanyard Part #
1/4"	30-200DP	2TDP
3/8"	30-300DP	3TDP



Hydraulic Fittings

Dust Caps

Body Size	Previous Part #	Steel body with steel cable Part #
1/4"	31-200DC	T2DC
3/8"	31-300DC	T3DC



Ball Coupler Seal Kits

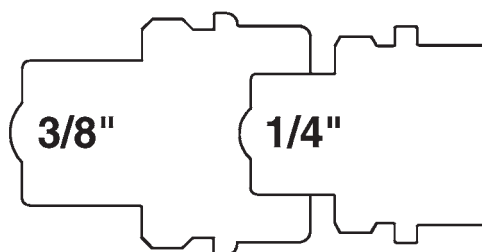
Body Size	Coupler Style	Seal Kit Contents	Urethane Part #
1/4"	ball valve	body seal	2T-SKIT
3/8"	ball valve	body seal	3T-SKIT



Plug Profiles

Industry/Competitor
Interchange

Parker 3000
Enerpac C604



CVV-Series Hydraulic Couplings

Features:

- nitrile (Buna-N) seal standard, providing a temperature range of **-40°F to 250°F (-40°C to 121°C)**
- Contact Dixon® for pressure ratings and other technical information.
- interchangeable with European Screw-Together, Inteva STG-Series, Faster CVV-Series, DNP PVV3, Voswinkel Type-HS

European Female Threaded Couplers

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPTF	2CVVF2
	1/4" - 19 BSPP	2CVVBF2
	M14X1.5	2CVVFM1415
3/8"	3/8" - 18 NPTF	3CVVF3
	3/8" - 19 BSPP	3CVVBF3
	M16X1.5	3CVVFM1615
1/2"	1/2" - 14 NPTF	4CVVF4
	3/4" - 16 ORB	4CVVOF4
	1/2" - 14 BSPP	4CVVBF4
	M18X1.5	4CVVFM1815
	7/8" - 14 ORB	4CVVOF5
	M22X1.5	4CVVFM2215
3/4"	3/4" - 14 NPTF	6CVVF6
	3/4" - 14 BSPP	6CVVBF6
	M22X1.5	6CVVFM2215
1"	1" - 11 1/2 NPTF	8CVVF8
	1" - 11 BSPP	8CVVBF8
1 1/4"	1 1/4" - 11 1/2 NPTF	10CVVF10
	1 1/4" - 11 BSPP	10CVVBF10



European Female Threaded Plugs

Body Size	Threads	Steel Part #
1/4"	1/4" - 18 NPTF	CVV2F2
	1/4" - 19 BSPP	CVV2BF2
	M14X1.5	CVV2FM1415
3/8"	3/8" - 18 NPTF	CVV3F3
	3/8" - 19 BSPP	CVV3BF3
	M16X1.5	CVV3FM1615
1/2"	1/2" - 14 NPTF	CVV4F4
	3/4" - 16 ORB	CVV4OF4
	1/2" - 14 BSPP	CVV4BF4
	M18X1.5	CVV4FM1815
	7/8" - 14 ORB	CVV4OF5
	M22X1.5	CVV4FM2215
3/4"	3/4" - 14 NPTF	CVV6F6
	3/4" - 14 BSPP	CVV6BF6
	M22X1.5	CVV6FM2215
1"	1" - 11 1/2 NPTF	CVV8F8
	1" - 11 BSPP	CVV8BF8
1 1/4"	1 1/4" - 11 1/2 NPTF	CVV10F10
	1 1/4" - 11 BSPP	CVV10BF10



CVV-Series Hydraulic Couplings

European Dust Plugs

Body Size	Plastic Part #
1/4"	2CVVDP
3/8"	3CVVDP
1/2"	4CVVDP
3/4"	6CVVDP
1"	8CVVDP
1 1/4"	10CVVDP



Hydraulic Fittings

European Dust Caps

Body Size	Plastic Part #
1/4"	CVV2DC
3/8"	CVV3DC
1/2"	CVV4DC
3/4"	CVV6DC
1"	CVV8DC
1 1/4"	CVV10DC



E-Series Hydraulic Couplings

Features:

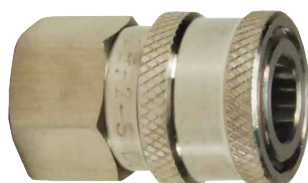
- couplers have no internal valves which provide maximum flow with minimum pressure drop
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F** (**-40°C to 121°C**)
- Contact Dixon® for additional seal material options.
- Contact Dixon® for pressure ratings and other technical information.
- interchanges with Parker ST, Hannifin SST/BST, Foster FST, Hansen ST, and Tomco ST couplings
- Do not disconnect with pressure in line.*



Straight Through Female Threaded Couplers



brass



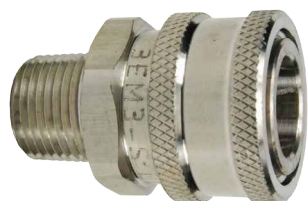
303 stainless

Body Size	Threads	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	1EF1-B	---	1EF1-S
1/4"	1/4" - 18 NPTF	STFC2	2EF2-B	STFC2SS	2EF2-S
	1/4" - 19 BSPP	---	2EBF2-B	---	---
3/8"	3/8" - 18 NPTF	STFC3	3EF3-B	STFC3SS	3EF3-S
	3/8" - 19 BSPP	---	3EBF3-B	---	---
1/2"	1/2" - 14 NPTF	STFC4	4EF4-B	STFC4SS	4EF4-S
	1/2" - 14 BSPP	---	4EBF4-B	---	---
3/4"	3/4" - 14 NPTF	STFC6	6EF6-B	STFC6SS	6EF6-S
	3/4" - 14 BSPP	---	6EBF6-B	---	---
1"	1" - 11 1/2 NPTF	STFC8	8EF8-B	STFC8SS	8EF8-S
	1" - 11 BSPP	---	8EBF8-B	---	---
1 1/4"	1 1/4" - 11 1/2 NPTF	STFC10	10EF10-B	---	10EF10-S
1 1/2"	1 1/2" - 11 1/2 NPTF	STFC12	12EF12-B	---	12EF12-S
2"	2" - 11 1/2 NPTF	STFC16	16EF16-B	---	16EF16-S

Straight Through Male Threaded Couplers



brass



303 stainless

Body Size	Threads	Brass		303 Stainless Steel	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	1EM1-B	---	1EM1-S
1/4"	1/4" - 18 NPTF	STMC2	2EM2-B	STMC2SS	2EM2-S
3/8"	3/8" - 18 NPTF	STMC3	3EM3-B	STMC3SS	3EM3-S
1/2"	1/2" - 14 NPTF	STMC4	4EM4-B	STMC4SS	4EM4-S
3/4"	3/4" - 14 NPTF	STMC6	6EM6-B	STMC6SS	6EM6-S
1"	1" - 11 1/2 NPTF	STMC8	8EM8-B	STMC8SS	8EM8-S
1 1/4"	1 1/4" - 11 1/2 NPTF	STMC10	10EM10-B	---	---
1 1/2"	1 1/2" - 11 1/2 NPTF	STMC12	12EM12-B	---	---
2"	2" - 11 1/2 NPTF	STMC16	16EM16-B	---	---

Straight Through Hose Barb Couplers



Body Size	Hose ID	Brass Part #
1/4"	1/4"	2ES2-B
3/8"	3/8"	3ES3-B
1/2"	1/2"	4ES4-B
3/4"	3/4"	6ES6-B
1"	1"	8ES8-B

E-Series Hydraulic Couplings

Straight Through Female Threaded Plugs

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	E1F1	---	E1F1-B
1/4"	1/4" - 18 NPTF	STFP2	E2F2	STFP2B	E2F2-B
	1/4" - 19 BSPP	---	---	---	E2BF2-B
3/8"	3/8" - 18 NPTF	STFP3	E3F3	STFP3B	E3F3-B
	3/8" - 19 BSPP	---	---	---	E3BF3-B
1/2"	1/2" - 14 NPTF	STFP4	E4F4	STFP4B	E4F4-B
	1/2" - 14 BSPP	---	---	---	E4BF4-B
3/4"	3/4" - 14 NPTF	---	E6F6	---	E6F6-B
	3/4" - 14 BSPP	---	---	---	E6BF6-B
1"	1" - 11 1/2 NPTF	STFP8	E8F8	STFP8B	E8F8-B
	1" - 11 BSPP	---	---	---	E8BF8-B
1 1/4"	1 1/4" - 11 1/2 NPTF	STFP10	E10F10	---	E10F10-B
1 1/2"	1 1/2" - 11 1/2 NPTF	STFP12	E12F12	---	E12F12-B
2"	2" - 11 1/2 NPTF	STFP16	E16F16	---	E16F16-B



steel



brass

Hydraulic Fittings

Body Size	Threads	303 Stainless Steel	
		Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	E1F1-S
1/4"	1/4" - 18 NPTF	STFP2SS	E2F2-S
3/8"	3/8" - 18 NPTF	STFP3SS	E3F3-S
1/2"	1/2" - 14 NPTF	STFP4SS	E4F4-S
3/4"	3/4" - 14 NPTF	---	E6F6-S
1"	1" - 11 1/2 NPTF	STFP8SS	E8F8-S
1 1/4"	1 1/4" - 11 1/2 NPTF	---	E10F10-S
1 1/2"	1 1/2" - 11 1/2 NPTF	---	E12F12-S
2"	2" - 11 1/2 NPTF	---	E16F16-S



Straight Through Male Threaded Plugs

Body Size	Threads	Steel		Brass	
		Previous Part #	Part #	Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	E1M1	---	E1M1-B
1/4"	1/4" - 18 NPTF	STMP2	E2M2	STMP2B	E2M2-B
3/8"	3/8" - 18 NPTF	STMP3	E3M3	STMP3B	E3M3-B
1/2"	1/2" - 14 NPTF	STMP4	E4M4	STMP4B	E4M4-B
3/4"	3/4" - 14 NPTF	STMP6	E6M6	STMP6B	E6M6-B
1"	1" - 11 1/2 NPTF	STMP8	E8M8	STMP8B	E8M8-B
1 1/4"	1 1/4" - 11 1/2 NPTF	STMP10	E10M10	---	E10M10-B
1 1/2"	1 1/2" - 11 1/2 NPTF	STMP12	E12M12	---	E12M12-B
2"	2" - 11 1/2 NPTF	STMP16	E16M16	---	E16M16-B



steel



brass

Body Size	Threads	303 Stainless Steel	
		Previous Part #	Part #
1/8"	1/8" - 27 NPTF	---	E1M1-S
1/4"	1/4" - 18 NPTF	STMP2SS	E2M2-S
3/8"	3/8" - 18 NPTF	STMP3SS	E3M3-S
1/2"	1/2" - 14 NPTF	STMP4SS	E4M4-S
3/4"	3/4" - 14 NPTF	STMP6SS	E6M6-S
1"	1" - 11 1/2 NPTF	STMP8SS	E8M8-S



E-Series Hydraulic Couplings

Hydraulic Fittings



steel



brass

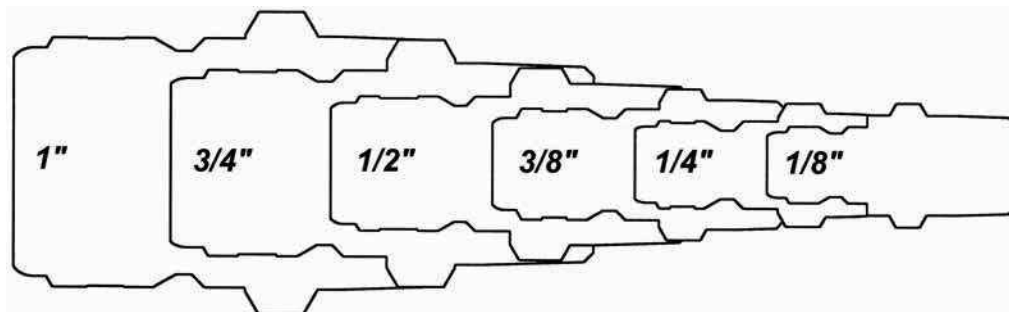
Straight Through Hose Barb Plugs

Body Size	Hose ID	Steel Part #	Brass Part #
1/4"	1/4"	E2S2	E2S2-B
3/8"	3/8"	E3S3	E3S3-B
1/2"	1/2"	E4S4	E4S4-B
3/4"	3/4"	E6S6	E6S6-B
1"	1"	E8S8	E8S8-B

Straight Through Coupler Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #	FKM Part #	EPDM Part #
1/4"	all	body O-ring	2E-SKIT	F-2E-SKIT	P-2E-SKIT
3/8"	all	body O-ring	3E-SKIT	F-3E-SKIT	P-3E-SKIT
1/2"	all	body O-ring	4E-SKIT	F-4E-SKIT	P-4E-SKIT
3/4"	all	body O-ring	6E-SKIT	F-6E-SKIT	P-6E-SKIT
1"	all	body O-ring	8E-SKIT	F-8E-SKIT	P-8E-SKIT
1 1/4"	all	body O-ring	10E-SKIT	F-10E-SKIT	P-10E-SKIT
1 1/2"	all	body O-ring	12E-SKIT	F-12E-SKIT	P-12E-SKIT
2"	all	body O-ring	16E-SKIT	F-16E-SKIT	P-16E-SKIT

Plug Profiles



Industry/Competitor Interchange

Foster FST
Parker ST
Hansen ST

EA-Series Hydraulic Couplings

Features:

- plug mounted sleeve guard protects against accidental disconnection
- smooth bore full-flow design ensures maximum flow with minimal pressure drop
- steel body components maximize service life by resisting the effects of brinelling and internal erosion
- heavy duty knurled sleeve with locking pin provides maximum protection against brinelling and accidental disconnection
- nitrile (Buna-N) seals are standard, providing a temperature range of **-40°F to 250°F** (**-40°C to 121°C**)
- interchangeable with Parker WB, Aeroquip FD69, and Snap Tite 56
- pressure rating **10000 PSI at 70°F (21°C)**

Water-Blast Couplers

Body Size	Female Threads	Steel Part #
1/2"	3/8" - 18 NPTF	4EAF3
1/2"	1/2" - 14 NPTF	4EAF4



Water-Blast Plugs

Body Size	Female Threads	Steel Part #
1/2"	3/8" - 18 NPTF	EA4F3
1/2"	1/2" - 14 NPTF	EA4F4



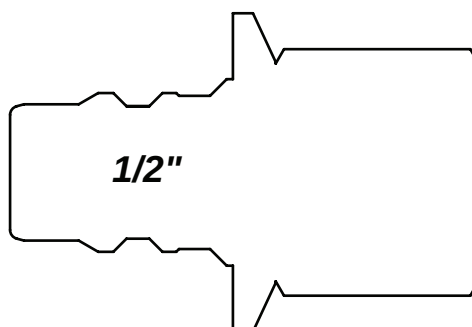
Water-Blast Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Nitrile Part #
1/2"	all	body O-ring and PTFE back-up	4EA-SKIT

Body Size	Coupler Style	Seal Kit Contents	FKM Part #
1/2"	all	body O-ring and PTFE back-up	F-4EA-SKIT

Body Size	Coupler Style	Seal Kit Contents	EPDM Part #
1/2"	all	body O-ring and PTFE back-up	P-4EA-SKIT

Plug Profile



CM-Series Hydraulic Couplings

Features:

- interchangeable with Foster Series- FJT, Hansen Flo-Temp, Tomco MC-Series, Parker Moldmate, DME Jiffy-Tite
- silicone gaskets and valve O-rings standard providing a temperature range **-90°F to 400°F (-68°C to 205°C)**
- Contact Dixon® for pressure ratings and other technical information.



steel



brass

Industrial Mold Plug Female NPTF

Body Size	Threads	Steel Part #	Brass Part #
1/4"	1/8" - 27 NPTF	CM2F1	CM2F1-B
	1/4" - 18 NPTF	CM2F2	CM2F2-B
	3/8" - 18 NPTF	CM2F3	CM2F3-B
3/8"	1/4" - 18 NPTF	CM3F2	CM3F2-B
	3/8" - 18 NPTF	CM3F3	CM3F3-B
1/2"	1/2" - 14 NPTF	---	CM4F4-B
	3/4" - 14 NPTF	---	CM4F6-B

Industrial Mold Plug Male NPTF



Body Size	Threads	Brass Part #
1/4"	1/8" - 27 NPTF	CM2M1-B
	1/4" - 18 NPTF	CM2M2-B
	3/8" - 18 NPTF	CM2M3-B
3/8"	1/4" - 18 NPTF	CM3M2-B
	3/8" - 18 NPTF	CM3M3-B
	1/2" - 14 NPTF	CM3M4-B
1/2"	1/2" - 14 NPTF	CM4M4-B
	3/4" - 14 NPTF	CM4M6-B

Industrial Mold Extension Plug Male NPTF



Body Size	Threads	Brass Part #
1/4"	1/8" - 27 NPTF	CM2M1-B-L2.5
	1/8" - 27 NPTF	CM2M1-B-L4
	1/8" - 27 NPTF	CM2M1-B-L5.5
	1/4" - 18 NPTF	CM2M2-B-L2.5
	1/4" - 18 NPTF	CM2M2-B-L4
	1/4" - 18 NPTF	CM2M2-B-L5.5
	1/4" - 18 NPTF	CM2M2-B-L7
3/8"	1/8" - 27 NPTF	CM3M1-B-L2.5
	1/8" - 27 NPTF	CM3M1-B-L4
	1/8" - 27 NPTF	CM3M1-B-L5.5
	1/8" - 27 NPTF	CM3M1-B-L7
	1/4" - 18 NPTF	CM3M2-B-L2.5
	1/4" - 18 NPTF	CM3M2-B-L4
	1/4" - 18 NPTF	CM3M2-B-L5.5
	1/4" - 18 NPTF	CM3M2-B-L7
	1/4" - 18 NPTF	CM3M2-B-L8.5
	1/4" - 18 NPTF	CM3M2-B-L11.5
	1/4" - 18 NPTF	CM3M2-B-L11.5

CM-Series Hydraulic Couplings

Industrial Mold Unvalved Coupler Female NPTF

Body Size	Threads	Brass Part #
1/4"	1/8" - 27 NPTF	2CMF1-B-E
	1/4" - 18 NPTF	2CMF2-B-E
3/8"	1/4" - 18 NPTF	3CMF2-B-E
	3/8" - 18 NPTF	3CMF3-B-E
1/2"	1/2" - 14 NPTF	4CMF4-B-E



Hydraulic Fittings

Industrial Mold Valved Coupler Female NPTF

Body Size	Threads	Brass Part #
1/4"	1/8" - 27 NPTF	2CMF1-B
3/8"	1/4" - 18 NPTF	3CMF2-B



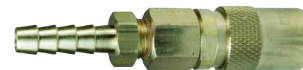
Industrial Mold Unvalved Coupler Hose Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CMS2-B-E
	5/16"	2CMS2.5-B-E
	3/8"	2CMS3-B-E
3/8"	3/8"	3CMS3-B-E
	1/2"	3CMS4-B-E
1/2"	1/2"	4CMS4-B-E
	3/4"	4CMS6-B-E



Industrial Mold Valved Coupler Hose Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CMS2-B
	5/16"	2CMS2.5-B
	3/8"	2CMS3-B
3/8"	3/8"	3CMS3-B
	1/2"	3CMS4-B



Industrial Mold Unvalved Coupler Push-Loc Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CMB2-B-E
	3/8"	2CMB3-B-E
3/8"	3/8"	3CMB3-B-E
	1/2"	3CMB4-B-E
1/2"	1/2"	4CMB4-B-E
	3/4"	4CMB6-B-E



Industrial Mold Valved Coupler Push-Loc Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CMB2-B
	3/8"	2CMB3-B
3/8"	3/8"	3CMB3-B
	1/2"	3CMB4-B



CM-Series Hydraulic Couplings

Industrial Mold Unvalved Coupler 45° Hose Barb



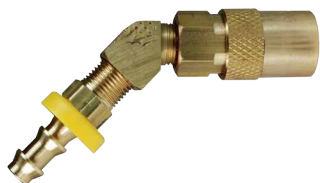
Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM4S2-B-E
	5/16"	2CM4S2.5-B-E
	3/8"	2CM4S3-B-E
3/8"	3/8"	3CM4S3-B-E
	1/2"	3CM4S4-B-E
1/2"	1/2"	4CM4S4-B-E
	3/4"	4CM4S6-B-E

Industrial Mold Valved Coupler 45° Hose Barb



Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM4S2-B
	3/8"	2CM4S3-B
3/8"	3/8"	3CM4S3-B
	1/2"	3CM4S4-B

Industrial Mold Unvalved Coupler 45° Push-Loc Barb



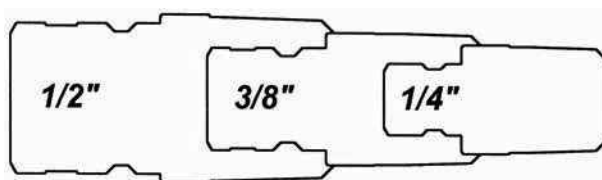
Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM4B2-B-E
	3/8"	2CM4B3-B-E
3/8"	3/8"	3CM4B3-B-E
	1/2"	3CM4B4-B-E
1/2"	1/2"	4CM4B4-B-E
	3/4"	4CM4B6-B-E

Industrial Mold Valved Coupler 45° Push-Loc Barb



Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM4B2-B
	3/8"	2CM4B3-B
3/8"	3/8"	3CM4B3-B
	1/2"	3CM4B4-B

Plug Profiles



CM-Series Hydraulic Couplings

Industrial Mold Unvalved Coupler 90° Hose Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM9S2-B-E
	5/16"	2CM9S2.5-B-E
	3/8"	2CM9S3-B-E
3/8"	3/8"	3CM9S3-B-E
	1/2"	3CM9S4-B-E
1/2"	1/2"	4CM9S4-B-E
	3/4"	4CM9S6-B-E



Hydraulic Fittings

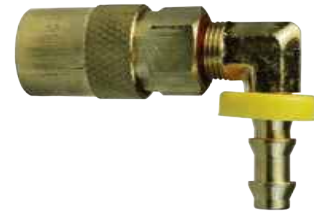
Industrial Mold Valved Coupler 90° Hose Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM9S2-B
	5/16"	2CM9S2.5-B
	3/8"	2CM9S3-B
3/8"	3/8"	3CM9S3-B
	1/2"	3CM9S4-B



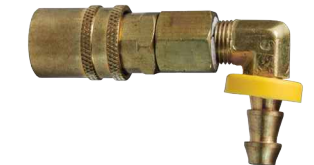
Industrial Mold Unvalved Coupler 90° Push-Loc Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM9B2-B-E
	3/8"	2CM9B3-B-E
3/8"	3/8"	3CM9B3-B-E
	1/2"	3CM9B4-B-E
1/2"	1/2"	4CM9B4-B-E
	3/4"	4CM9B6-B-E



Industrial Mold Valved Coupler 90° Push-Loc Barb

Body Size	Hose ID	Brass Part #
1/4"	1/4"	2CM9B2-B
	3/8"	2CM9B3-B
3/8"	3/8"	3CM9B3-B
	1/2"	3CM9B4-B



Industrial Mold Interchange Dust Plugs

Body Size	Lanyard	Brass Part #
1/4"	N/A	2CMPC-B
3/8"	N/A	3CMPC-B
1/2"	N/A	4CMPC-B



Industrial Mold Coupler Seal Kits

Body Size	Coupler Style	Seal Kit Contents	Silicone Part #
1/4"	all	body seal	2CM-SKIT
3/8"	all	body seal	3CM-SKIT
1/2"	all	body seal	4CM-SKIT



Flat Face

Male Unions

Features:

- reference SAE 520101
- pressure rating at 70°F (21°C)



Male Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	6000	FS2403-4
11/16"-16	6000	FS2403-6
13/16"-16	6000	FS2403-8
1"-14	6000	FS2403-10
1-3/16"-12	6000	FS2403-12
1-7/16"-12	6000	FS2403-16

Male x Male SAE O-ring Boss Connectors

Features:

- reference SAE 520120
- pressure rating at 70°F (21°C)



Male Flat Face	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
9/16"-18	7/16"-20	5000	FS6400-4-4
11/16"-16	9/16"-18	5000	FS6400-6-6
13/16"-16	3/4"-16	4500	FS6400-8-8
1"-14	7/8"-14	3500	FS6400-10-10
1-3/16"-12	1-1/16"-12	3500	FS6400-12-12
1-7/16"-12	1-5/16"-12	3000	FS6400-16-16

Male x Male NPTF Connectors

Features:

- reference SAE 520102
- pressure rating at 70°F (21°C)



Male Flat Face	Male NPTF	PSI	Zinc Plated Steel Part #
9/16"-18	1/4"-18	5000	FS2404-4-4
11/16"-16	3/8"-18	4000	FS2404-6-6
13/16"-16	1/2"-14	3000	FS2404-8-8
1-3/16"-12	3/4"-14	2500	FS2404-12-12
1-7/16"-12	1"-11 1/2	2000	FS2404-16-16

Male x Female Swivel Nut 90° Elbows

Features:

- reference SAE 520221
- pressure rating at 70°F (21°C)



Male Flat Face	Female Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	9/16"-18	6000	FS6500-4-4
11/16"-16	11/16"-16	6000	FS6500-6-6
13/16"-16	13/16"-16	6000	FS6500-8-8
1"-14	1"-14	6000	FS6500-10-10
1-3/16"-12	1-3/16"-12	6000	FS6500-12-12
1-7/16"-12	1-7/16"-12	6000	FS6500-16-16

Male x Male SAE O-ring Boss 90° Elbows

Features:

- reference SAE 520220
- pressure rating at 70°F (21°C)



Male Flat Face	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
9/16"-18	7/16"-20	5000	FS6801-4-4
11/16"-16	9/16"-18	5000	FS6801-6-6
13/16"-16	3/4"-16	4500	FS6801-8-8
1"-14	7/8"-14	3500	FS6801-10-10
1-3/16"-12	1-1/16"-12	3500	FS6801-12-12
1-7/16"-12	1-5/16"-12	3000	FS6801-16-16

Flat Face

Male x Male NPTF 90° Elbows

Features:

- reference SAE 520202
- pressure rating at 70°F (21°C)

Male Flat Face	Male NPTF	PSI	Zinc Plated Steel Part #
9/16"-18	¼"-18	5000	FS2501-4-4
11/16"-16	¾"-18	4000	FS2501-6-6
13/16"-16	½"-14	3000	FS2501-8-8
1-3/16"-12	¾"-14	2500	FS2501-12-12
1-7/16"-12	1"-11½	2000	FS2501-16-16



Hydraulic Fittings

Male Union Tees

Features:

- reference SAE 520401
- pressure rating at 70°F (21°C)

Male Flat Face	Male Flat Face	Male Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	9/16"-18	9/16"-18	6000	FS2603-4
11/16"-16	11/16"-16	11/16"-16	6000	FS2603-6
13/16"-16	13/16"-16	13/16"-16	6000	FS2603-8
1"-14	1"-14	1"-14	6000	FS2603-10
1-3/16"-12	1-3/16"-12	1-3/16"-12	6000	FS2603-12
1-7/16"-12	1-7/16"-12	1-7/16"-12	6000	FS2603-16



Male x Female Swivel x Male Run Tees

Features:

- reference SAE 520432
- pressure rating at 70°F (21°C)

Male Flat Face	Female Flat Face Swivel	Male Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	9/16"-18	9/16"-18	4500	FS6602-4
11/16"-16	11/16"-16	11/16"-16	4000	FS6602-6
13/16"-16	13/16"-16	13/16"-16	4000	FS6602-8
1"-14	1"-14	1"-14	3000	FS6602-10
1-3/16"-12	1-3/16"-12	1-3/16"-12	3000	FS6602-12
1-7/16"-12	1-7/16"-12	1-7/16"-12	2500	FS6602-16



Caps

Features:

- reference SAE 520112
- pressure rating at 70°F (21°C)

Female Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	6000	FS304C-4
11/16"-16	6000	FS304C-6
13/16"-16	6000	FS304C-8
1"-14	6000	FS304C-10
1-3/16"-12	6000	FS304C-12
1-7/16"-12	6000	FS304C-16



Plugs

Features:

- reference SAE 520109
- pressure rating at 70°F (21°C)

Male Flat Face	PSI	Zinc Plated Steel Part #
9/16"-18	6000	FS2408-4
11/16"-16	6000	FS2408-6
13/16"-16	6000	FS2408-8
1"-14	6000	FS2408-10
1-3/16"-12	6000	FS2408-12
1-7/16"-12	6000	FS2408-16



O-ring Boss Port Reducers

Feature:

- pressure rating at 70°F (21°C)



Male SAE O-ring Boss	Female O-ring Port	PSI	Zinc Plated Steel Part #
9/16"-18	7/16"-20	5000	6410-6-4
9/16"-18	3/4"-16	4500	6410-6-8
3/4"-16	7/8"-14	3500	6410-8-10
3/4"-16	9/16"-18	4500	6410-8-6
7/8"-14	1-1/16"-12	3500	6410-10-12
7/8"-14	3/4"-16	3500	6410-10-8
1-1/16"-12	7/8"-14	3000	6410-12-10
1-1/16"-12	1-5/16"-12	3000	6410-12-16

Adjustable Unions

Feature:

- pressure rating at 70°F (21°C)

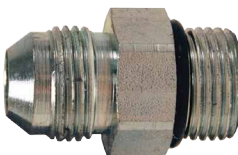


Male O-ring Boss	Adjustable O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	4500	6403-4
9/16"-18	9/16"-18	4000	6403-6
3/4"-16	3/4"-16	4000	6403-8
7/8"-14	7/8"-14	3000	6403-10
1-1/16"-12	1-1/16"-12	3000	6403-12
1-5/16"-12	1-5/16"-12	2500	6403-16

Male JIC x Male SAE

Features:

- reference SAE 070120
- pressure rating at 70°F (21°C)



Male JIC	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1231-04-04
7/16"-20	9/16"-18	5000	1231-04-06
7/16"-20	3/4"-16	4500	1231-04-08
1/2"-20	1/2"-20	5000	1231-05-05
9/16"-18	7/16"-20	5000	1231-06-04
9/16"-18	9/16"-18	5000	1231-06-06
9/16"-18	3/4"-16	4500	1231-06-08
9/16"-18	7/8"-14	3500	1231-06-10
3/4"-16	9/16"-18	4500	1231-08-06
3/4"-16	3/4"-16	4500	1231-08-08
3/4"-16	7/8"-14	3500	1231-08-10
3/4"-16	1-1/16"-12	3500	1231-08-12
7/8"-14	3/4"-16	3500	1231-10-08
7/8"-14	7/8"-14	3500	1231-10-10
7/8"-14	1-1/16"-12	3500	1231-10-12
1-1/16"-12	7/8"-14	3500	1231-12-10
1-1/16"-12	1-1/16"-12	3500	1231-12-12
1-1/16"-12	1-5/16"-12	3000	1231-12-16
1-5/16"-12	1-1/16"-12	3000	1231-16-12
1-5/16"-12	1-5/16"-12	3000	1231-16-16
1-5/16"-12	1 5/8"-12	2500	1231-16-20
1 5/8"-12	1-5/16"-12	2500	1231-20-16
1 5/8"-12	1 5/8"-12	2500	1231-20-20

Male x Male NPTF

Feature:

- pressure rating at 70°F (21°C)



Male SAE O-ring Boss	Male NPTF Pipe Adapter	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-18	5000	6401-4-4
9/16"-18	1/4"-18	4000	6401-6-4
9/16"-18	3/8"-18	4000	6401-6-6
9/16"-18	1/2"-14	3000	6401-6-8
3/4"-16	3/8"-18	3000	6401-8-6
3/4"-16	1/2"-14	3000	6401-8-8
7/8"-14	1/2"-14	3000	6401-10-8
1-1/16"-12	3/4"-14	2500	6401-12-12
1-5/16"-12	1"-11 1/2	2000	6401-16-16

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O-ring Boss (ORB)

Male x Female NPTF

Feature:

- pressure rating at 70°F (21°C)

Male SAE O-ring Boss	Female NPTF Pipe	PSI	Zinc Plated Steel Part #
7/16"-20	1/8"-27	5000	6405-4-2
7/16"-20	1/4"-18	5000	6405-4-4
7/16"-20	3/8"-18	4000	6405-4-6
9/16"-18	1/4"-18	4000	6405-6-4
9/16"-18	3/8"-18	4000	6405-6-6
9/16"-18	1/2"-14	3000	6405-6-8
3/4"-16	3/8"-18	4000	6405-8-6
3/4"-16	1/2"-14	3000	6405-8-8
7/8"-14	1/4"-18	3000	6405-10-4
7/8"-14	1/2"-14	3000	6405-10-8
7/8"-14	3/4"-14	2500	6405-10-12
1-1/16"-12	1/2"-14	3000	6405-12-8
1-1/16"-12	3/4"-14	2500	6405-12-12
1-1/16"-12	1"-11 1/2	2000	6405-12-16
1-5/16"-12	3/4"-14	2500	6405-16-12
1-5/16"-12	1"-11 1/2	2000	6405-16-16
1-5/16"-12	1 1/4"-11 1/2	1150	6405-16-20
1 5/8"-12	1"-11 1/2	2000	6405-20-16
1 5/8"-12	1 1/4"-11 1/2	1150	6405-20-20



Hydraulic Fittings

90° Male SAE x Male JIC Elbows

Features:

- reference SAE 070220
- pressure rating at 70°F (21°C)

Male SAE O-ring Boss	Male JIC	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1238-04-04
7/16"-20	9/16"-18	5000	1238-04-06
9/16"-18	7/16"-20	5000	1238-06-04
9/16"-18	9/16"-18	5000	1238-06-06
3/4"-16	9/16"-18	4500	1238-08-06
3/4"-16	3/4"-16	4500	1238-08-08
3/4"-16	7/8"-14	3500	1238-08-10
7/8"-14	3/4"-16	3500	1238-10-08
7/8"-14	7/8"-14	3500	1238-10-10
7/8"-14	1-1/16"-12	3500	1238-10-12
1-1/16"-12	7/8"-14	3500	1238-12-10
1-1/16"-12	1-1/16"-12	3500	1238-12-12
1-1/16"-12	1-5/16"-12	3000	1238-12-16
1-5/16"-16	1-1/16"-12	3000	1238-16-12
1-5/16"-12	1-5/16"-12	3000	1238-16-16
1 5/8"-12	1-5/16"-12	2500	1238-20-16
1 5/8"-12	1 5/8"-12	2500	1238-20-20
1 7/8"-12	1 7/8"-12	2000	1238-24-24



90° SAE x Female NPSM Swivel Nut Elbows

Features:

- reference SAE 140257
- pressure rating at 70°F (21°C)

Male SAE O-ring Boss	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-18	4500	6901-4-4
7/16"-20	3/8"-18	4000	6901-4-6
9/16"-18	1/4"-18	4000	6901-6-4
9/16"-18	3/8"-18	4000	6901-6-6
9/16"-18	1/2"-14	4000	6901-6-8
3/4"-16	3/8"-18	3500	6901-8-6
3/4"-16	1/2"-14	4000	6901-8-8
3/4"-16	3/4"-14	3000	6901-8-12
7/8"-14	1/2"-14	3500	6901-10-8
7/8"-14	3/4"-14	3000	6901-10-12
1-1/16"-12	1/2"-14	3500	6901-12-8
1-1/16"-12	3/4"-14	3000	6901-12-12
1-1/16"-12	1"-11 1/2	2500	6901-12-16
1-5/16"-12	3/4"-14	3000	6901-16-12
1-5/16"-12	1"-11 1/2	2500	6901-16-16
1-5/16"-12	1 1/4"-11 1/2	2000	6901-16-20
1 5/8"-12	1 1/4"-11 1/2	2000	6901-20-20



O-ring Boss (ORB)

45° Male SAE x Male JIC Elbows

Features:

- reference SAE 070320
- pressure rating at 70°F (21°C)



Male SAE O-ring Boss	Male JIC	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1240-04-04
9/16"-18	9/16"-18	5000	1240-06-06
9/16"-18	3/4"-16	4500	1240-06-08
3/4"-16	9/16"-18	4500	1240-08-06
3/4"-16	3/4"-16	4500	1240-08-08
3/4"-16	7/8"-14	3500	1240-08-10
7/8"-14	3/4"-16	3500	1240-10-08
7/8"-14	7/8"-14	3500	1240-10-10
7/8"-14	1-1/16"-12	3500	1240-10-12
1-1/16"-12	7/8"-14	3500	1240-12-10
1-1/16"-12	1-1/16"-12	3500	1240-12-12
1-1/16"-12	1-5/16"-12	3000	1240-12-16
1-5/16"-12	1-5/16"-12	3000	1240-16-16
1 5/8"-12	1-5/16"-12	2500	1240-20-16
1 5/8"-12	1 5/8"-12	2500	1240-20-20

Male 37° Flare x Male Branch Tees

Features:

- reference SAE 070429
- pressure rating at 70°F (21°C)



(2) Male JIC 37°	Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	6803-4
9/16"-18	9/16"-18	5000	6803-6
3/4"-16	3/4"-16	4500	6803-8
7/8"-14	7/8"-14	3500	6803-10
1-1/16"-12	1-1/16"-12	3500	6803-12
1-5/16"-12	1-5/16"-12	3000	6803-16

SAE Plugs

Features:

- reference SAE 090109A
- pressure rating at 70°F (21°C)



Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	5000	1255-04H
9/16"-18	5000	1255-06H
3/4"-16	4500	1255-08H
7/8"-14	3500	1255-10H
1-1/16"-12	3500	1255-12H
1-5/16"-12	3000	1255-16H
1 5/8"-12	2500	1255-20H
1 7/8"-12	2000	1255-24H
2 1/2"-12	1500	1255-32H

Hollow Hex Plugs

Features:

- reference SAE 090109B
- requires Allen wrench
- pressure rating at 70°F (21°C)



Male SAE O-ring Boss	PSI	Zinc Plated Steel Part #
7/16"-20	5000	6408HHP-4
9/16"-18	5000	6408HHP-6
3/4"-16	4500	6408HHP-8
7/8"-14	3500	6408HHP-10
1-1/16"-12	3500	6408HHP-12
1-5/16"-12	3000	6408HHP-16
1 5/8"-12	2500	6408HHP-20
1 7/8"-12	1500	6408HHP-24
2 1/2"-12	1500	6408HHP-32

37° JIC

Male x Male

Features:

- reference SAE 070101
- pressure rating at 70°F (21°C)

Male JIC 37°	Male JIC 37°	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1204-04-04
9/16"-18	9/16"-18	5000	1204-06-06
3/4"-16	7/16"-20	4500	1204-08-04
3/4"-16	3/4"-16	4500	1204-08-08
7/8"-14	3/4"-16	3500	1204-10-08
7/8"-14	7/8"-14	3500	1204-10-10
1-1/16"-12	3/4"-16	3500	1204-12-08
1-1/16"-12	7/8"-14	3500	1204-12-10
1-1/16"-12	1-1/16"-12	3500	1204-12-12
1-5/16"-12	1-1/16"-12	3000	1204-16-12
1-5/16"-12	1-5/16"-12	3000	1204-16-16
1 5/8"-12	1 5/8"-12	2500	1204-20-20
1 7/8"-12	1 7/8"-12	2000	1204-24-24



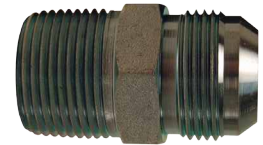
Hydraulic Fittings

Male Flare x Male NPTF

Features:

- reference SAE 070102
- pressure rating at 70°F (21°C)

Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16"-20	1/8"-27	4500	2404-4-2	---
7/16"-20	1/4"-18	4500	2404-4-4	SS2404-4-4
7/16"-20	3/8"-18	4000	2404-4-6	---
7/16"-20	1/2"-18	3000	2404-4-8	---
1/2"-20	1/8"-27	4000	2404-5-2	---
9/16"-18	1/8"-27	4000	2404-6-2	---
9/16"-18	1/4"-18	4000	2404-6-4	---
9/16"-18	3/8"-18	4000	2404-6-6	SS2404-6-6
9/16"-18	1/2"-14	3000	2404-6-8	---
3/4"-16	1/4"-18	4000	2404-8-4	---
3/4"-16	3/8"-18	4000	2404-8-6	---
3/4"-16	1/2"-14	3000	2404-8-8	SS2404-8-8
3/4"-16	3/4"-14	2500	2404-8-12	---
7/8"-14	1/2"-14	3000	2404-10-8	---
7/8"-14	3/4"-14	2500	2404-10-12	---
1-1/16"-12	1/2"-14	3000	2404-12-8	---
1-1/16"-12	3/4"-14	2500	2404-12-12	SS2404-12-12
1-1/16"-12	1"-11 1/2	2000	2404-12-16	---
1-5/16"-12	3/4"-14	2500	2404-16-12	---
1-5/16"-12	1"-11 1/2	2000	2404-16-16	SS2404-16-16
1 5/8"-12	1 1/4"-11 1/2	1150	2404-20-20	---
1 7/8"-12	1 1/2"-11 1/2	1000	2404-24-24	---
2 1/2"-12	2"-11 1/2	1000	2404-32-32	---



Male Flare x Female NPTF

Features:

- reference SAE 070103
- pressure rating at 70°F (21°C)

Male JIC 37° Flare	Female NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16"-20	1/8"-27	4500	2405-4-2	---
7/16"-20	1/4"-18	4500	2405-4-4	SS2405-4-4
9/16"-18	1/4"-18	4000	2405-6-4	---
9/16"-18	3/8"-18	4000	2405-6-6	SS2405-6-6
9/16"-18	1/2"-14	3000	2405-6-8	---
3/4"-16	3/8"-18	4000	2405-8-6	---
3/4"-16	1/2"-14	3000	2405-8-8	SS2405-8-8
3/4"-16	3/4"-14	2500	2405-8-12	---
7/8"-14	1/2"-14	3000	2405-10-8	---
1-1/16"-12	3/4"-14	2500	2405-12-12	SS2405-12-12
1-1/16"-12	1"-11 1/2	2000	2405-12-16	---
1-5/16"-12	1"-11 1/2	2000	2405-16-16	SS2405-16-16
1 5/8"-12	1 1/4"-11 1/2	1150	2405-20-20	---



37° JIC

Female Swivel x Male NPTF

Feature:

- pressure rating at 70°F (21°C)

Female JIC 37° Swivel	Male NPTF Pipe	PSI	Zinc Plated Steel Part #
7/16"-20	1/8"-27	4500	6505-4-2
7/16"-20	1/4"-18	4500	6505-4-4
1/2"-20	1/4"-18	4000	6505-5-4
9/16"-18	1/4"-18	4000	6505-6-4
9/16"-18	3/8"-18	4000	6505-6-6
3/4"-16	3/8"-18	4000	6505-8-6
3/4"-16	1/2"-14	3000	6505-8-8
7/8"-14	1/2"-14	3000	6505-10-8
7/8"-14	3/4"-14	2500	6505-10-12
1-1/16"-12	1/2"-14	3000	6505-12-8
1-1/16"-12	3/4"-14	2500	6505-12-12
1-5/16"-12	3/4"-14	2500	6505-16-12
1-5/16"-12	1"-1/2	2000	6505-16-16
1 5/8"-12	1 1/4"-11 1/2	1150	6505-20-20
1 7/8"-12	1 1/2"-11 1/2	1000	6505-24-24
2 1/2"-12	2"-11 1/2	1000	6505-32-32



Female Swivel x Female NPTF

Feature:

- pressure rating at 70°F (21°C)

Female JIC 37° Swivel	Female NPTF	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-18	4500	6506-4-4
7/16"-20	3/8"-18	4000	6506-4-6
9/16"-18	1/4"-18	4000	6506-6-4
9/16"-18	3/8"-18	4000	6506-6-6
3/4"-16	1/2"-14	3000	6506-8-8
7/8"-14	1/2"-14	3000	6506-10-8
1-1/16"-12	3/4"-14	2500	6506-12-12
1-5/16"-12	1" 11 1/2	2000	6506-16-16



90° Male Flare Elbows

Features:

- reference SAE 070201
- pressure rating at 70°F (21°C)

Male JIC 37° Flare	Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	1234-04-04
9/16"-18	9/16"-18	5000	1234-06-06
3/4"-16	3/4"-16	4500	1234-08-08
7/8"-14	7/8"-14	3500	1234-10-10
1-1/16"-12	1-1/16"-12	3500	1234-12-12
1-5/16"-12	1-5/16"-12	3000	1234-16-16
1 5/8"-12	1 5/8"-12	2500	1234-20-20



90° Male Flare x Female Flare Swivel Elbows

Features:

- reference SAE 070221
- pressure rating at 70°F (21°C)

Male 37° JIC Flare	Female 37° JIC Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	5000	6500-4
9/16"-18	9/16"-18	5000	6500-6
9/16"-18	7/16"-20	5000	6500-6-4
9/16"-18	3/4"-16	4500	6500-6-8
3/4"-16	3/4"-16	4500	6500-8
3/4"-16	9/16"-18	4500	6500-8-6
3/4"-16	7/8"-14	3500	6500-8-10
7/8"-14	7/8"-14	3500	6500-10
1-1/16"-12	1-1/16"-12	3500	6500-12
1-1/16"-12	7/8"-14	3500	6500-12-10
1-5/16"-12	1-5/16"-12	3000	6500-16
1 5/8"-12	1 5/8"-12	2500	6500-20



37° JIC

90° Male Flare x Male NPTF Elbows

Features:

- reference SAE 070202
- pressure rating at **70°F (21°C)**

Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #	316 Stainless Steel Part #
7/16"-20	1/8"-27	4500	2501-4-2	---
7/16"-20	1/4"-18	4500	2501-4-4	SS2501-4-4
7/16"-20	3/8"-18	4000	2501-4-6	---
9/16"-18	1/8"-27	4000	2501-6-2	---
9/16"-18	1/4"-18	4000	2501-6-4	---
9/16"-18	3/8"-18	4000	2501-6-6	SS2501-6-6
9/16"-18	1/2"-14	3000	2501-6-8	---
3/4"-16	1/4"-18	4000	2501-8-4	---
3/4"-16	3/8"-18	4000	2501-8-6	---
3/4"-16	1/2"-14	3000	2501-8-8	SS2501-8-8
3/4"-16	3/4"-14	2500	2501-8-12	---
7/8"-14	1/2"-14	3000	2501-10-8	---
7/8"-14	3/4"-14	2500	2501-10-12	---
1-1/16"-12	1/2"-14	3000	2501-12-8	---
1-1/16"-12	3/4"-14	2500	2501-12-12	SS2501-12-12
1-1/16"-12	1"-11 1/2	2000	2501-12-16	---
1-5/16"-12	3/4"-14	2500	2501-16-12	---
1-5/16"-12	1"-11 1/2	2000	2501-16-16	SS2501-16-16
1 5/8"-12	1"-11 1/2	2000	2501-20-16	---
1 5/8"-12	1 1/4"-11 1/2	1150	2501-20-20	---
1 7/8"-12	1 1/2"-11 1/2	1000	2501-24-24	---
2 1/2"-12	2"-11 1/2	1000	2501-32-32	---



90° Female Swivel x Male NPTF Elbows

Feature:

- pressure rating at **70°F (21°C)**

Female JIC 37° Swivel	Male NPTF	PSI	Zinc Plated Steel Part #
7/16"-20	1/8"-27	4500	6501-4-2
7/16"-20	1/4"-18	4500	6501-4-4
1/2"-20	1/8"-27	4000	6501-5-2
9/16"-18	1/4"-18	4000	6501-6-4
9/16"-18	3/8"-18	4000	6501-6-6
3/4"-16	3/8"-18	4000	6501-8-6
3/4"-16	1/2"-14	3000	6501-8-8
7/8"-14	1/2"-14	3000	6501-10-8
1-1/16"-12	3/4"-14	2500	6501-12-12
1-3/16"-12	3/4"-14	2500	6501-14-12
1-5/16"-12	1"-11 1/2	2000	6501-16-16
1 5/8"-12	1 1/4"-11 1/2	1150	6501-20-20
1 7/8"-12	1 1/2"-11 1/2	1000	6501-24-24
2 1/2"-12	2"-11 1/2	1000	6501-32-32



45° Male Flare x Female Swivel Elbows

Features:

- reference SAE 070321
- pressure rating at **70°F (21°C)**

Male JIC 37°	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	4500	6502-4
9/16"-18	9/16"-18	4000	6502-6
3/4"-16	3/4"-16	4000	6502-8
7/8"-14	7/8"-14	3000	6502-10
1 1/16"-12	1 1/16"-12	3000	6502-12
1 5/16"-12	1 5/16"-12	2500	6502-16
1 5/8"-12	1 5/8"-12	2000	6502-20



37° JIC

45° Male Flare x Male NPTF Elbows

Features:

- reference SAE 070302
- pressure rating at 70°F (21°C)



Male JIC 37° Flare	Male NPTF	PSI	Zinc Plated Steel Part #
7/16"-20	1/8"-27	4500	2503-4-2
7/16"-20	1/4"-18	4500	2503-4-4
9/16"-18	1/4"-18	4000	2503-6-4
9/16"-18	3/8"-18	4000	2503-6-6
3/4"-16	1/4"-18	4000	2503-8-4
3/4"-16	3/8"-18	4000	2503-8-6
3/4"-16	1/2"-14	3000	2503-8-8
7/8"-14	1/2"-14	3000	2503-10-8
7/8"-14	3/4"-14	2500	2503-10-12
1-1/16"-12	3/4"-14	2500	2503-12-12
1-5/16"-12	3/4"-14	2500	2503-16-12
1-5/16"-12	1"-11 1/2	2000	2503-16-16

Male Flare Union Tees

Features:

- reference SAE 070401
- pressure rating at 70°F (21°C)



Male JIC 37° Flare (3)	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2603-4
9/16"-18	5000	2603-6
3/4"-16	4500	2603-8
7/8"-14	3500	2603-10
1-1/16"-12	3500	2603-12
1-5/16"-12	3000	2603-16

Male Flare x Female Swivel Tees

Features:

- reference SAE 070433
- pressure rating at 70°F (21°C)



Male JIC 37° Flare (2)	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	4500	6600-4
9/16"-18	9/16"-18	4000	6600-6
3/4"-16	3/4"-16	4000	6600-8
1 1/16"-12	1 1/16"-12	3000	6600-12
1 5/16"-12	1 5/16"-12	2500	6600-16

Male Flare x Female Swivel Branch Tees

Features:

- reference SAE 070432
- pressure rating at 70°F (21°C)



Male JIC 37° Flare (2)	Female JIC 37° Swivel	PSI	Zinc Plated Steel Part #
7/16"-20	7/16"-20	4500	6602-4
9/16"-18	9/16"-18	4000	6602-6
3/4"-16	3/4"-16	4000	6602-8
7/8"-14	7/8"-14	3000	6602-10
1-1/16"-12	1-1/16"-12	3000	6602-12
1-5/16"-12	1-5/16"-12	2500	6602-16
1 5/8"-12	1 5/8"-12	2000	6602-20

Male Flare x Male NPTF Branch Tees

Features:

- reference SAE 070425
- pressure rating at 70°F (21°C)



Male JIC 37° Flare (2)	Male NPTF	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"-18	5000	2601-4-4-4
9/16"-18	1/4"-18	5000	2601-6-6-4
9/16"-18	3/8"-18	4000	2601-6-6-6
3/4"-16	1/2"-14	3000	2601-8-8-8
7/8"-14	1/2"-14	3000	2601-10-10-8
1-1/16"-12	3/4"-14	2500	2601-12-12-12
1-5/16"-12	1"-11 1/2	2000	2601-16-16-16

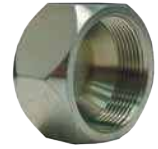
37° JIC

Flare Caps

Features:

- reference SAE 070112
- pressure rating at 70°F (21°C)

Female JIC 37° Flare	Tube OD	PSI	Zinc Plated Steel Part #
5/16"-24	1/8"	5000	0304C-2
7/16"-20	1/4"	5000	0304C-4
9/16"-18	3/8"	5000	0304C-6
3/4"-16	1/2"	4500	0304C-8
7/8"-14	5/8"	3500	0304C-10
1-1/16"-12	3/4"	3500	0304C-12
1-5/16"-12	1"	3000	0304C-16
1 5/8"-12	1 1/4"	2500	0304C-20
1 7/8"-12	1 1/2"	2000	0304C-24
2 1/2"-12	2"	1500	0304C-32



Flare Tube Nuts

Features:

- reference SAE 070110
- pressure rating at 70°F (21°C)

Female JIC 37° Flare	Tube OD	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"	5000	0318-4
9/16"-18	3/8"	5000	0318-6
3/4"-16	1/2"	4500	0318-8
7/8"-14	5/8"	3500	0318-10
1-1/16"-12	3/4"	3500	0318-12
1-5/16"-12	1"	3000	0318-16



Screw Thread Plugs

Features:

- reference SAE 070109
- pressure rating at 70°F (21°C)

Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
5/16"-24	5000	1254-02H
7/16"-20	5000	1254-04H
9/16"-18	5000	1254-06H
3/4"-16	4500	1254-08H
7/8"-14	3500	1254-10H
1-1/16"-12	3500	1254-12H
1-5/16"-12	3000	1254-16H
1 5/8"-12	2500	1254-20H



Flare Tube Sleeves

Features:

- reference SAE 070115
- pressure rating at 70°F (21°C)

Female JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	5000	0319-4
9/16"-18	5000	0319-6
3/4"-16	4500	0319-8
7/8"-14	3500	0319-10
1-1/16"-12	3500	0319-12
1-5/16"-12	3000	0319-16



Flare Bulkhead Unions with Lock Nut

Features:

- reference SAE 070601
- pressure rating at 70°F (21°C)

Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2700LN-4
9/16"-18	5000	2700LN-6
3/4"-16	4500	2700LN-8
7/8"-14	3500	2700LN-10
1-1/16"-12	3500	2700LN-12
1-5/16"-12	3000	2700LN-16



37° JIC

Flare 90° Bulkhead Elbow with Lock Nuts

Features:

- reference SAE 070701
- pressure rating at **70°F (21°C)**



Male JIC 37° Flare	PSI	Zinc Plated Steel Part #
7/16"-20	5000	2701LN-4
9/16"-18	5000	2701LN-6
3/4"-16	4500	2701LN-8
7/8"-14	3500	2701LN-10
1-1/16"-12	3500	2701LN-12
1-5/16"-12	3000	2701LN-16

Flare Bulkhead Lock Nuts

Features:

- reference SAE 070118
- pressure rating at **70°F (21°C)**



Female JIC 37° Bulkhead	Tube OD	PSI	Zinc Plated Steel Part #
7/16"-20	1/4"	5000	0306-4
9/16"-18	3/8"	5000	0306-6
3/4"-16	1/2"	4500	0306-8
7/8"-14	5/8"	3500	0306-10
1-1/16"-12	3/4"	3500	0306-12
1-5/16"-12	1"	3000	0306-16

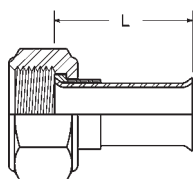
Weld End Metal Hose Fittings

Straight Female

All fittings have 316 seamless stainless steel tubes

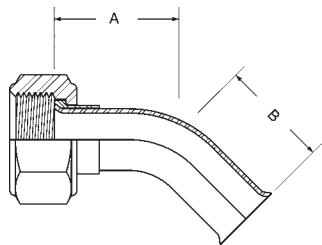
Feature:

- pressure rating at 70°F (21°C)



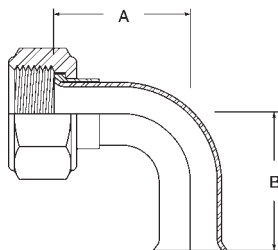
Female SAE 37° JIC	Tube OD	Pressure Rating PSI at 70°F (21°)	Dimension L	Tube Wall	304 Stainless Steel Nut & Sleeve Part #	Carbon Steel Nut & Sleeve Part #
7/16" - 20	1/4"	8650	1.500"	.049"	SFMF250	FMF250
9/16" - 18	3/8"	5550	1.500"	.049"	SFMF375	FMF375
3/4" - 16	1/2"	4050	1.500"	.049"	SFMF500	FMF500
1-1/16" - 12	3/4"	2600	1.500"	.049"	SFMF750	FMF750
1-5/16" - 12	1"	1950	2.000"	.049"	SFMF1000	FMF1000
1 5/8" - 12	1 1/4"	2050	2.375"	.065"	SFMF1250	FMF1250
1 7/8" - 12	1 1/2"	1700	2.375"	.065"	SFMF1500	FMF1500
2 1/2" - 12	2"	1250	2.500"	.065"	SFMF2000	FMF2000

45° Elbow Female



Female SAE 37° JIC	Tube OD	Pressure Rating PSI at 70°F (21°)	Dimension A	Dimension B	Bend Radius	Tube Wall	304 Stainless Steel Nut & Sleeve Part #	Carbon Steel Nut & Sleeve Part #
7/16" - 20	1/4"	5000	0.750"	0.750"	0.380"	.049"	---	FMF250-45
9/16" - 18	3/8"	4500	1.000"	1.000"	0.500"	.049"	---	FMF375-45
3/4" - 16	1/2"	4000	1.250"	1.250"	1.000"	.049"	SFMF500-45	FMF500-45
1-1/16" - 12	3/4"	2600	1.450"	1.450"	1.500"	.049"	SFMF750-45	---
1-5/16" - 12	1"	2500	1.800"	1.800"	2.000"	.049"	SFMF1000-45	FMF1000-45
1 5/8" - 12	1 1/4"	2050	2.100"	2.100"	2.000"	.065"	---	FMF1250-45
1 7/8" - 12	1 1/2"	1700	2.300"	2.300"	2.000"	.065"	SFMF1500-45	FMF1500-45
2 1/2" - 12	2"	1250	3.000"	3.000"	3.000"	.065"	SFMF2000-45	FMF2000-45

90° Elbow Female



Female SAE 37° JIC	Tube OD	Pressure Rating PSI at 70°F (21°)	Dimension A	Dimension B	Bend Radius	Tube Wall	304 Stainless Steel Nut & Sleeve Part #	Carbon Steel Nut & Sleeve Part #
7/16" - 20	1/4"	5000	1.000"	1.000"	0.375"	.049"	SFMF250-90	FMF250-90
9/16" - 18	3/8"	4500	1.250"	1.250"	0.500"	.049"	SFMF375-90	FMF375-90
3/4" - 16	1/2"	4000	1.830"	1.830"	1.000"	.049"	SFMF500-90	FMF500-90
1-1/16" - 12	3/4"	2600	2.350"	2.350"	1.500"	.049"	SFMF750-90	FMF750-90
1-5/16" - 12	1"	2500	3.100"	3.100"	2.000"	.049"	SFMF1000-90	FMF1000-90
1 5/8" - 12	1 1/4"	2050	3.500"	3.500"	2.000"	.065"	SFMF1250-90	FMF1250-90
1 7/8" - 12	1 1/2"	1700	3.750"	3.750"	2.000"	.065"	SFMF1500-90	FMF1500-90
2 1/2" - 12	2"	1250	4.900"	4.900"	2.000"	.065"	SFMF2000-90	FMF2000-90

NPTF



Male Hex Pipe Nipples

Features:

- reference SAE 140137
- pressure rating at 70°F (21°C)

Male NPTF	Male NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	5404-2
1/4"-18	1/4"-18	5000	5404-4
3/8"-18	3/8"-18	4000	5404-6
3/8"-18	1/4"-18	4000	5404-6-4
1/2"-14	1/2"-14	3000	5404-8
1/2"-14	3/8"-18	3000	5404-8-6
3/4"-14	3/4"-14	2500	5404-12
3/4"-14	1/2"-14	2500	5404-12-8
1"-11 1/2	1"-11 1/2	2000	5404-16
1"-11 1/2	3/4"-14	2000	5404-16-12
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	5404-20

Male x Female Hex Reducer Bushings

Features:

- reference SAE 140140
- pressure rating at 70°F (21°C)

Male NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/4"-18	1/8"-27	5000	5406-4-2
3/8"-18	1/8"-27	4000	5406-6-2
3/8"-18	1/4"-18	4000	5406-6-4
1/2"-14	1/8"-27	3000	5406-8-2
1/2"-14	1/4"-18	3000	5406-8-4
1/2"-14	3/8"-18	3000	5406-8-6
3/4"-14	1/8"-27	2500	5406-12-2
3/4"-14	1/4"-18	2500	5406-12-4
3/4"-14	3/8"-18	2500	5406-12-6
3/4"-14	1/2"-14	2500	5406-12-8
1"-11 1/2	1/4"-18	2000	5406-16-4
1"-11 1/2	3/8"-18	2000	5406-16-6
1"-11 1/2	1/2"-14	2000	5406-16-8
1"-11 1/2	3/4"-14	2000	5406-16-12
1 1/4"-11 1/2	3/8"-18	1150	5406-20-6
1 1/4"-11 1/2	1/2"-14	1150	5406-20-8
1 1/4"-11 1/2	3/4"-14	1150	5406-20-12
1 1/4"-11 1/2	1"-11 1/2	1150	5406-20-16
1 1/2"-11 1/2	1/2"-14	1000	5406-24-8
1 1/2"-11 1/2	3/4"-14	1000	5406-24-12
1 1/2"-11 1/2	1"-11 1/2	1000	5406-24-16
1 1/2"-11 1/2	1 1/4"-11 1/2	1000	5406-24-20
2"-11 1/2"	1/2"-14	1000	5406-32-8
2"-11 1/2"	3/4"-14	1000	5406-32-12
2"-11 1/2"	1"-11 1/2	1000	5406-32-16
2"-11 1/2"	1 1/4"-11 1/2	1000	5406-32-20
2"-11 1/2"	1 1/2"-11 1/2	1000	5406-32-24



NPTF

Features:

- compact design provides ease of assembly in confining areas
- designed to prevent hose stress due to twisting during assembly
- female NPSM swivel seals on a 30° seat
- male NPTF must have a 30° chamfer to seal

Male x Female NPSM Swivel Adapters

Features:

- reference SAE 140130
- pressure rating at 70°F (21°C)

Male NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	1404-2-2
1/8"-27	1/4"-18	4500	1404-2-4
1/4"-18	1/4"-18	4500	1404-4-4
1/4"-18	3/8"-18	4000	1404-4-6
3/8"-18	1/4"-18	4000	1404-6-4
3/8"-18	3/8"-18	4000	1404-6-6
3/8"-18	1/2"-14	4000	1404-6-8
1/2"-14	3/8"-18	3000	1404-8-6
1/2"-14	1/2"-14	3000	1404-8-8
1/2"-14	3/4"-14	3000	1404-8-12
3/4"-14	1/2"-14	2500	1404-12-8
3/4"-14	3/4"-14	2500	1404-12-12
1"-11 1/2	1"-11 1/2	2000	1404-16-16
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	1404-20-20
1 1/2"-11 1/2	1 1/2"-11 1/2	1000	1404-24-24
2"-11 1/2	2"-11 1/2	1000	1404-32-32



Female Hex Pipe Couplings

Features:

- reference SAE 140138
- pressure rating at 70°F (21°C)

Female NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	5000-2
1/4"-18	1/4"-18	5000	5000-4
3/8"-18	1/4"-18	4000	5000-6-4
3/8"-18	3/8"-18	4000	5000-6
1/2"-14	3/8"-18	3000	5000-8-6
1/2"-14	1/2"-14	3000	5000-8
3/4"-14	3/4"-14	2500	5000-12
1"-11 1/2	3/4"-14	2000	5000-16-12
1"-11 1/2	1"-11 1/2	2000	5000-16
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	5000-20



Female x Female NPSM Swivel Nuts

Features:

- reference SAE 140131
- pressure rating at 70°F (21°C)

Female NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	1405-2-2
1/4"-18	1/4"-18	4500	1405-4-4
3/8"-18	1/4"-18	4000	1405-6-4
3/8"-18	3/8"-18	4000	1405-6-6
3/8"-18	1/2"-14	4000	1405-6-8
1/2"-14	1/2"-14	3000	1405-8-8
3/4"-14	1/2"-14	2500	1405-12-8
3/4"-14	3/4"-14	2500	1405-12-12
1"-11 1/2	1"-11 1/2	2000	1405-16-16
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	1405-20-20
1 1/2"-11 1/2	1 1/2"-11 1/2	1000	1405-24-24
2"-11 1/2	2"-11 1/2	1000	1405-32-32



90° Male x Male Elbows

Features:

- reference SAE 140237
- pressure rating at 70°F (21°C)

Male NPTF	Male NPTF	PSI	Zinc Plated Steel Part #
1/4"-18	1/4"-18	5000	5500-4
3/8"-18	3/8"-18	4000	5500-6
1/2"-14	1/2"-14	3000	5500-8
3/4"-14	3/4"-14	2500	5500-12
1"-11 1/2	1"-11 1/2	2000	5500-16



NPTF

90° Male x Female Street Elbows

Features:

- reference 140239
- pressure rating at 70°F (21°C)



Male NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/4"-18	1/4"-18	5000	5502-4
3/8"-18	3/8"-18	4000	5502-6
1/2"-14	1/2"-14	3000	5502-8
3/4"-14	3/4"-14	2500	5502-12
1"-11 1/2	1"-11 1/2	2000	5502-16
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	5502-20

90° Male x Female NPSM Swivel Nut Elbows

Features:

- reference SAE 140230
- pressure rating at 70°F (21°C)



Male NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	1501-2-2
1/4"-18	1/4"-18	4500	1501-4-4
1/4"-18	3/8"-18	4000	1501-4-6
3/8"-18	1/4"-18	4000	1501-6-4
3/8"-18	3/8"-18	4000	1501-6-6
3/8"-18	1/2"-14	4000	1501-6-8
1/2"-14	3/8"-18	3000	1501-8-6
1/2"-14	1/2"-14	3000	1501-8-8
1/2"-14	3/4"-14	3000	1501-8-12
3/4"-14	1/2"-14	2500	1501-12-8
3/4"-14	3/4"-14	2500	1501-12-12
3/4"-14	1"-11 1/2	2000	1501-12-16
1"-11 1/2	3/4"-14	2000	1501-16-12
1"-11 1/2	1"-11 1/2	2000	1501-16-16
1"-11 1/2	1 1/4"-11 1/2	1150	1501-16-20
1 1/4"-11 1/2	1 1/4"-11 1/2	1150	1501-20-20

90° Female Pipe Elbows

Features:

- reference SAE 140237
- pressure rating at 70°F (21°C)



Female NPTF	Female NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	1/8"-27	5000	5504-2
1/4"-18	1/4"-18	5000	5504-4
3/8"-18	3/8"-18	4000	5504-6
1/2"-14	1/2"-14	3000	5504-8
3/4"-14	3/4"-14	2500	5504-12
1"-11 1/2	1"-11 1/2	2000	5504-16

90° Female x Female NPSM Swivel Nut Elbows

Features:

- reference SAE 140251
- pressure rating at 70°F (21°C)



Female NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/4"-18	1/4"-18	4500	1502-4-4
3/8"-18	3/8"-18	4000	1502-6-6
1/2"-14	1/2"-14	3000	1502-8-8
3/4"-14	3/4"-14	2500	1502-12-12
1"-11 1/2	1"-11 1/2	2000	1502-16-16

45° Male x Female NPSM Swivel Nut Elbows

Features:

- reference SAE 140330
- pressure rating at 70°F (21°C)



Male NPTF	Female NPSM Swivel	PSI	Zinc Plated Steel Part #
1/4"-18	1/4"-18	4500	1503-4-4
3/8"-18	3/8"-18	4000	1503-6-6
1/2"-14	1/2"-14	3000	1503-8-8
3/4"-14	3/4"-14	2500	1503-12-12
1"-11 1/2	1"-11 1/2	2000	1503-16-16

NPTF Male Pipe Tees

Features:

- reference SAE 140437
- pressure rating at **70°F (21°C)**

Male NPTF (3)	PSI	Zinc Plated Steel Part #
¼"-18	5000	5600-4
⅜"-18	4000	5600-6
½"-14	3000	5600-8
¾"-14	2500	5600-12
1"-11½	2000	5600-16



Hydraulic Fittings

Male x Female Pipe Tees

Features:

- reference SAE 140427
- pressure rating at **70°F (21°C)**

Male NPTF (2)	Female NPTF	PSI	Zinc Plated Steel Part #
¼"-18	¼"-18	5000	5601-4
⅜"-18	⅜"-18	4000	5601-6
½"-14	½"-14	3000	5601-8
¾"-14	¾"-14	2500	5601-12
1"-11½	1"-11½	2000	5601-16



Female x Male Branch Tees

Features:

- reference SAE 140425
- pressure rating at **70°F (21°C)**

Female NPTF (2)	Male NPTF	PSI	Zinc Plated Steel Part #
¼"-18	¼"-18	5000	5604-4
⅜"-18	⅜"-18	4000	5604-6
½"-14	½"-14	3000	5604-8
¾"-14	¾"-14	2500	5604-12
1"-11½	1"-11½	2000	5604-16



Female Pipe Tees

Features:

- reference 140438
- pressure rating at **70°F (21°C)**

Female NPTF (3)	PSI	Zinc Plated Steel Part #
¼"-18	5000	5605-4
⅜"-18	4000	5605-6
½"-14	3000	5605-8
¾"-14	2500	5605-12
1"-11½	2000	5605-16



Male x Female Run Tees

Features:

- reference 140424
- pressure rating at **70°F (21°C)**

Male NPTF	Female NPTF (2)	PSI	Zinc Plated Steel Part #
⅛"-27	⅛"-27	5000	5602-2
¼"-18	¼"-18	5000	5602-4
⅜"-18	⅜"-18	4000	5602-6
½"-14	½"-14	3000	5602-8
¾"-14	¾"-14	2500	5602-12
1"-11½	1"-11½	2000	5602-16
1-¼"-11½	1-¼"-11½	1150	5602-20
1-½"-11½	1-½"-11½	1000	5602-24



NPTF

Female Hex Caps

Feature:

- pressure rating at 70°F (21°C)



Female NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	5000	5406C-2
1/4"-18	5000	5406C-4
3/8"-18	4000	5406C-6
1/2"-14	3000	5406C-8
3/4"-14	2500	5406C-12
1"-11 1/2	2000	5406C-16
1 1/4"-11 1/2	1150	5406C-20
1 1/2"-11 1/2	1000	5406C-24

Male Hex Plugs

Features:

- reference SAE 130109C
- pressure rating at 70°F (21°C)



Male NPTF	PSI	Zinc Plated Steel Part #
1/8"-27	5000	1251-02H
1/4"-18	5000	1251-04H
3/8"-18	4000	1251-06H
1/2"-14	3000	1251-08H
3/4"-14	2500	1251-12H
1"-11 1/2	2000	1251-16H
1 1/4"-11 1/2	1150	1251-20H

Male JIC 37° Flare x Male Metric Parallel Thread

Feature:

- pressure rating at 70°F (21°C)



Male JIC 37° Flare	Male Metric Parallel	Zinc Plated Steel Part #
7/16"-20	M10X1.0	M7400-4-10
7/16"-20	M12X1.5	M7400-4-12
9/16"-18	M14X1.5	M7400-6-14
9/16"-18	M16X1.5	M7400-6-16
3/4"-16	M16X1.5	M7400-8-16
3/4"-16	M18X1.5	M7400-8-18
1-1/16"-12	M22X1.5	M7400-12-22
1-1/16"-12	M27X2.0	M7400-12-27
1-5/16"-12	M33X2.0	M7400-16-33

Female Pipe x Male Metric Parallel Thread

Feature:

- pressure rating at 70°F (21°C)



Female NPTF	Male Metric Parallel	Zinc Plated Steel Part #
1/4"-18	M12X1.5	M7455-4-12
1/4"-18	M14X1.5	M7455-4-14
3/8"-18	M16X1.5	M7455-6-16
3/8"-18	M18X1.5	M7455-6-18
1/2"-14	M16X1.5	M7455-8-16
1/2"-14	M18X1.5	M7455-8-18
1/2"-14	M22X1.5	M7455-8-22
3/4"-14	M27X2.0	M7455-12-27
1"-11 1/2	M33X2.0	M7455-16-33

British Standard Pipe Parallel (BSPP)

Male JIC 37° Flare x Male

Feature:

- pressure rating at 70°F (21°C)

Male JIC 37° Flare	Male BSPP	PSI	Zinc Plated Steel Part #
7/16"-20	¼"-19	5000	B3800-4-4
9/16"-18	⅜"-19	4000	B3800-6-6
¾"-16	½"-14	3000	B3800-8-8
1-1/16"-12	¾"-14	2500	B3800-12-12
1-5/16"-12	1"-11	2000	B3800-16-16



Male NPTF x Male

Feature:

- pressure rating at 70°F (21°C)

Male NPTF	Male BSPP	PSI	Zinc Plated Steel Part #
¼"-18	¼"-19	5000	B3401-4-4
⅜"-18	⅜"-19	4000	B3401-6-6
½"-14	½"-14	3000	B3401-8-8
¾"-14	¾"-14	2500	B3401-12-12
1"-11½	1"-11	2000	B3401-16-16



Female NPTF x Male

Feature:

- pressure rating at 70°F (21°C)

Female NPTF	Male BSPP	PSI	Zinc Plated Steel Part #
¼"-18	¼"-19	5000	B3455-4-4
⅜"-18	⅜"-19	4000	B3455-6-6
½"-14	½"-14	3000	B3455-8-8
¾"-14	¾"-14	2500	B3455-12-12
1"-11½	1"-11	2000	B3455-16-16



Male JIC 37° Flare x Male 90° Elbow

Feature:

- pressure rating at 70°F (21°C)

Male JIC 37° Flare	Male BSPP	PSI	Zinc Plated Steel Part #
7/16"-20	¼"-19	5000	B3801-4-4
9/16"-18	⅜"-19	4000	B3801-6-6
¾"-16	½"-14	3000	B3801-8-8
1-1/16"-12	¾"-14	2500	B3801-12-12
1-5/16"-12	1"-11	2000	B3801-16-16



Bonded Dowty Seal for British Thread

Feature:

- pressure rating at 70°F (21°C)

Size	Plated Carbon Steel with Buna O-ring Part #
¼"-19	BDS04
⅜"-19	BDS06
½"-14	BDS08
¾"-14	BDS12
1"-11	BDS16



Hydraulic 4-Bolt Flanges

Features:

- flat face flange must be used with O-ring flange
- code 61 - standard pressure; code 62 - high pressure
- makes installation of components easier, especially in applications with limited space
- bolt kit with Buna O-ring included with O-ring flange
- no bolt kit is included with flat face flange
- also available in 316L stainless, contact Dixon® for more information

Hydraulic 4-Bolt Flange NPTF Port

Port Size	Pad Size	NPTF Thread	Code 61 Carbon Steel			
			O-ring		Flat Face	
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	1/2"-14	W43-8-8-U	C6143K0808NPT	W104-8-8	C611040808NPT
3/4"	3/4"	3/4"-14	W43-12-12-U	C6143K1212NPT	W104-12-12	C611041212NPT
1"	1"	1"-11 1/2	W43-16-16-U	C6143K1616NPT	W104-16-16	C611041616NPT
1 1/4"	1 1/4"	1 1/4"-11 1/2	W43-20-20-U	C6143K2020NPT	W104-20-20	C611042020NPT
1 1/2"	1 1/2"	1 1/2"-11 1/2	W43-24-24-U	C6143K2424NPT	W104-24-24	C611042424NPT
2"	2"	2"-11 1/2	W43-32-32-U	C6143K3232NPT	W104-32-32	C611043232NPT
2 1/2"	2 1/2"	2 1/2"-8	W43-40-40-U	C6143K4040NPT	W104-40-40	C611044040NPT
3"	3"	3"-8	W43-48-48-U	C6143K4848NPT	W104-48-48	C611044848NPT



Port Size	Pad Size	NPTF Thread	Code 62 Carbon Steel			
			O-ring		Flat Face	
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	1/2"-14	W44-8-8-U	C6244K0808NPT	W45-8-8	C62450808NPT
3/4"	3/4"	3/4"-14	W44-12-12-U	C6244K1212NPT	W45-12-12	C62451212NPT
1"	1"	1"-11 1/2	W44-16-16-U	C6244K1616NPT	W45-16-16	C62451616NPT
1 1/4"	1 1/4"	1 1/4"-11 1/2	W44-20-20-U	C6244K2020NPT	W45-20-20	C62452020NPT
1 1/2"	1 1/2"	1 1/2"-11 1/2	W44-24-24-U	C6244K2424NPT	W45-24-24	C62452424NPT
2"	2"	2"-11 1/2	W44-32-32-U	C6244K3232NPT	W45-32-32	C62453232NPT

Hydraulic 4-Bolt Flange SAE Port

Port Size	Pad Size	UN/UNF-2B Thread	Code 61 Carbon Steel			
			O-ring		Flat Face	
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	3/4"-16	W46-8-8-U	C6146K0808SAE	W106-8-8	C611060808SAE
3/4"	3/4"	1 1/16"-12	W46-12-12-U	C6146K1212SAE	W106-12-12	C611061212SAE
1"	1"	1 5/16"-12	W46-16-16-U	C6146K1616SAE	W106-16-16	C611061616SAE
1 1/4"	1 1/4"	1 5/8"-12	W46-20-20-U	C6146K2020SAE	W106-20-20	C611062020SAE
1 1/2"	1 1/2"	1 7/8"-12	W46-24-24-U	C6146K2424SAE	W106-24-24	C611062424SAE
2"	2"	2 1/2"-12	W46-32-32-U	C6146K3232SAE ¹	W106-32-32	C611063232SAE

¹ 1000 PSI maximum

Port Size	Pad Size	UN/UNF-2B Thread	Code 62 Carbon Steel			
			O-ring		Flat Face	
			Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	3/4"-16	W48-8-8-U	C6248K0808SAE	W49-8-8	C62490808SAE
3/4"	3/4"	1 1/16"-12	W48-12-12-U	C6248K1212SAE	W49-12-12	C62491212SAE
1"	1"	1 5/16"-12	W48-16-16-U	C6248K1616SAE	W49-16-16	C62491616SAE
1 1/4"	1 1/4"	1 5/8"-12	W48-20-20-U	C6248K2020SAE	W49-20-20	C62492020SAE
1 1/2"	1 1/2"	1 7/8"-12	W48-24-24-U	C6248K2424SAE	W49-24-24	C62492424SAE
2"	2"	2 1/2"-12	W48-32-32-U	C6248K3232SAE	W49-32-32	C62493232SAE

• For flange dimensions, diagrams and additional information please reference dixonvalve.com.



Hydraulic 4-Bolt Flanges

Hydraulic 4-Bolt Flange Pipe Socket Weld

Port Size	Pad Size	Code 61 Carbon Steel			
		O-ring		Flat Face	
		Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	W4-8-8-U	C614K0808PSW	W61-8-8	C61610808PSW
3/4"	3/4"	W4-12-12-U	C614K1212PSW	W61-12-12	C61611212PSW
1"	1"	W4-16-16-U	C614K1616PSW	W61-16-16	C61611616PSW
1 1/4"	1 1/4"	W4-20-20-U	C614K2020PSW	W61-20-20	C61612020PSW
1 1/2"	1 1/2"	W4-24-24-U	C614K2424PSW	W61-24-24	C61612424PSW
2"	2"	W4-32-32-U	C614K3232PSW	W61-32-32	C61613232PSW
2 1/2"	2 1/2"	W4-40-40-U	C614K4040PSW	W61-40-40	C61614040PSW
3"	3"	W4-48-48-U	C614K4848PSW	W61-48-48	C61614848PSW

Port Size	Pad Size	Code 62 Carbon Steel			
		O-ring		Flat Face	
		Previous Part #	Part #	Previous Part #	Part #
1/2"	1/2"	W59-8-8-U	C6259K0808PSW	W60-8-8	C62600808PSW
3/4"	3/4"	W59-12-12-U	C6259K1212PSW	W60-12-12	C62601212PSW
1"	1"	W59-16-16-U	C6259K1616PSW	W60-16-16	C62601616PSW
1 1/4"	1 1/4"	W59-20-20-U	C6259K2020PSW	W60-20-20	C62602020PSW
1 1/2"	1 1/2"	W59-24-24-U	C6259K2424PSW	W60-24-24	C62602424PSW
2"	2"	W59-32-32-U	C6259K3232PSW	W60-32-32	C62603232PSW
2 1/2"	2 1/2"	W59-40-40-U	C6259K4040PSW	W60-40-40	C62604040PSW
3"	3"	W59-48-48-U	C6259K4848PSW	W60-48-48	C62604848PSW



Hydraulic Fittings

Pressure Ratings of SAE Flanges

Code 61 SAE J518-1 / ISO 6162-1

Dash Size	Size	Maximum Working Pressure		Fastener Torque Value
		PSI	MPa	Grade 8 UNC (lb-ft)
-8	1/2"	5000	35	24
-12	3/4"	5000	35	44
-16	1"	4600	32	44
-20	1 1/4"	4000	28	68
-24	1 1/2"	3000	21	111
-32	2"	3000	21	111
-40	2 1/2"	2500	17.5	111
-48	3"	2300	16	218
-56	3 1/2"	500	3.5	218
-64	4"	500	3.5	218
-80	5"	500	3.5	218

- Connection type opposite 4-bolt flange connection can de-rate maximum working pressure.

Code 62 SAE J518-2 / ISO 6162-2

Dash Size	Size	Maximum Working Pressure		Fastener Torque Value
		PSI	MPa	Grade 8 UNC (lb-ft)
-8	1/2"	6000	40	24
-12	3/4"	6000	40	44
-16	1"	6000	40	68
-20	1 1/4"	6000	40	111
-24	1 1/2"	6000	40	218
-32	2"	6000	40	332
-40	2 1/2"	6000	40	380
-48	3"	6000	40	667

- For flange dimensions, diagrams and additional information please reference dixonvalve.com LIBERTY EXHIBIT 1012, Page 527





Code 61 / Code 62 Split Flange Kits

Features:

- for tube, hose end and split flange adapter connections
- kits include 2 split flange halves, 4 hex head screws and lockwashers, 1 Buna O-ring
- silver trivalent finish for high corrosion resistance
- also available in forged 316L stainless, contact Dixon® for more information

Flange Size	Code 61 Forged Carbon Steel		Code 62 Forged Carbon Steel	
	Previous Part #	Part #	Previous Part #	Part #
1/2"	8SFO	C6108-SFKIT	8SF XO	C6208-SFKIT
3/4"	12SFO	C6112-SFKIT	12SF XO	C6212-SFKIT
1"	16SFO	C6116-SFKIT	16SF XO	C6216-SFKIT
1 1/4"	20SFO	C6120-SFKIT	20SF XO	C6220-SFKIT
1 1/2"	24SFO	C6124-SFKIT	24SF XO	C6224-SFKIT
2"	32SFO	C6132-SFKIT	32SF XO	C6232-SFKIT
2 1/2"	40SFO	C6140-SFKIT	---	---
3"	48SFO	C6148-SFKIT	---	---

Code 61 / Code 62 Flange Adapters

Straight Flange x Male JIC Hydraulic Adapter



JIC Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Previous Part #	Part #	Previous Part #	Part #
3/4"-16	1/2"	1/2"	300-8-8	C6100F0808	---	---
3/4"-16	1/2"	3/4"	300-8-12	C6100F0812	---	---
1 1/16"-12	3/4"	3/4"	300-12-12	C6100F1212	600-12-12	C6200F1212
1 1/16"-12	3/4"	1"	300-12-16	C6100F1216	600-12-16	C6200F1216
1 5/16"-12	1"	3/4"	300-16-12	C6100F1612	600-16-12	C6200F1612
1 5/16"-12	1"	1"	300-16-16	C6100F1616	600-16-16	C6200F1616
1 5/16"-12	1"	1 1/4"	300-16-20	C6100F1620	600-16-20	C6200F1620
1 5/8"-12	1 1/4"	1"	300-20-16	C6100F2016	600-20-16	C6200F2016
1 5/8"-12	1 1/4"	1 1/4"	300-20-20	C6100F2020	600-20-20	C6200F2020
1 5/8"-12	1 1/4"	1 1/2"	300-20-24	C6100F2024	600-20-24	C6200F2024
1 7/8"-12	1 1/2"	1 1/2"	300-24-20	C6100F2420	600-24-20	C6200F2420
1 7/8"-12	1 1/2"	1 1/2"	300-24-24	C6100F2424	600-24-24	C6200F2424
1 7/8"-12	1 1/2"	2"	300-24-32	C6100F2432	600-24-32	C6200F2432
2 1/2"-12	2"	1 1/2"	300-32-24	C6100F3224	600-32-24	C6200F3224
2 1/2"-12	2"	2"	300-32-32	C6100F3232	600-32-32	C6200F3232

90° Flange Elbow x Male JIC Hydraulic Adapter



JIC Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Previous Part #	Part #	Previous Part #	Part #
3/4"-16	1/2"	3/4"	390-8-12	C6190F0812	---	---
1 1/16"-12	3/4"	3/4"	390-12-12	C6190F1212	690-12-12	C6290F1212
1 1/16"-12	3/4"	1"	390-12-16	C6190F1216	690-12-16	C6290F1216
1 5/16"-12	1"	3/4"	390-16-12	C6190F1612	690-16-12	C6290F1612
1 5/16"-12	1"	1"	390-16-16	C6190F1616	690-16-16	C6290F1616
1 5/16"-12	1"	1 1/4"	390-16-20	C6190F1620	690-16-20	C6290F1620
1 5/8"-12	1 1/4"	1"	390-20-16	C6190F2016	690-20-16	C6290F2016
1 5/8"-12	1 1/4"	1 1/4"	390-20-20	C6190F2020	690-20-20	C6290F2020
1 5/8"-12	1 1/4"	1 1/2"	390-20-24	C6190F2024	690-20-24	C6290F2024
1 7/8"-12	1 1/2"	1 1/2"	390-24-24	C6190F2424	690-24-24	C6290F2424
1 7/8"-12	1 1/2"	2"	390-24-32	C6190F2432	690-24-32	C6290F2432
2 1/2"-12	2"	1 1/2"	390-32-24	C6190F3224	690-32-24	C6290F3224
2 1/2"-12	2"	2"	390-32-32	C6190F3232	690-32-32	C6290F3232

45° Flange Elbow x Male JIC Hydraulic Adapter



JIC Thread	Tube OD	Flange Size	Code 61 Carbon Steel		Code 62 Carbon Steel	
			Previous Part #	Part #	Previous Part #	Part #
1 1/16"-12	3/4"	3/4"	340-12-12	C6145F1212	640-12-12	C6245F1212
1 5/16"-12	1"	1"	340-16-16	C6145F1616	640-16-16	C6245F1616
1 5/8"-12	1 1/4"	1 1/4"	340-20-20	C6145F2020	640-20-20	C6245F2020
1 7/8"-12	1 1/2"	1 1/2"	340-24-24	C6145F2424	640-24-24	C6245F2424
2 1/2"-12	2"	2"	340-32-32	C6145F3232	640-32-32	C6245F3232

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Hydraulic Suction and Return Line Hose Couplings

Application:

- designed for hydraulic suction line applications using SAE100R4 hydraulic hose

Feature:

- barbs provide easy assembly and maximum gripping action

Female SAE Stem

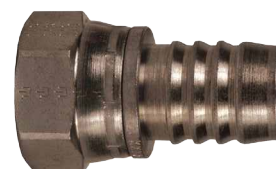
Hose ID	Male NPTF	Plated Steel Part #
3/4"	3/4"-14	188-12
1"	1"-11½	188-16
1¼"	1¼"-11½	188-20
1½"	1½"-11½	188-24
2"	2"-11½	188-32



Hydraulic Fittings

Female SAE 37° Swivel Stem

Hose ID	Male NPTF	Plated Steel Part #
3/4"	1-1/16"-12	688-12
1"	1-5/16"-12	688-16
1¼"	1⅝"-12	688-20
1½"	1⅞"-12	688-24
2"	2½"-12	688-32



- return line clamps must be used with these fittings

Double Bolt Clamps

Features:

- inner surface has dual gripping ridges
- bolt lugs are reinforced to prevent bending out of alignment
- Torque values for clamps are based on dry bolts.
- The use of lubricant on bolts will adversely effect clamp performance.
- measure hose OD accurately before ordering clamps
- Consult Dixon® when using double bolt clamps on helical wire hose.



Hose OD		Plated Iron Part #	Torque in ft. lbs.	Optional Qty
from	to			
1-8/64"	1-12/64"	J48	15	100
1-40/64"	1-52/64"	DL14	40	25
1-48/64"	2-3/64"	DL20	27	25
2-7/64"	2-19/64"	DL24 ¹	27	25
2-20/64"	2-40/64"	DL32 ¹	40	25



¹ investment cast carbon steel



Hydraulic Hose Stems

Features:

- stems have a collar behind the hex to engage clamp fingers
- reference clamps on page 75

NPTF Size	Plated Steel Part #
1/2"	HY4
1"	HY8

NPTF Size	Plated Steel Part #
1 1/4"	HY10
1 1/2"	HY12
2"	HY16

Hydraulic Hose Clamps For 1 Wire Hose

Feature:

- for use only on 1 wire hydraulic hoses



Hose ID	Hose OD		Plated Iron Part #	Torque in ft. lbs.
	from	to		
3/8"	48/64"	50/64"	HD1-3	12
1/2"	56/64"	60/64"	HD1-4	18
3/4"	1-10/64"	1-14/64"	HD1-6	18
1"	1-29/64"	1-35/64"	HD1-8	36

Hydraulic Hose Clamps For 1 or 2 Wire Hose

Features:

- for use only on 1 or 2 wire hydraulic hoses
- This clamp *should not* be used on 4 or 6 wire hydraulic hose even when hose falls within recommended ranges.



Hose ID	Hose OD		Plated Iron Part #	Torque in ft. lbs.
	from	to		
3/8"	50/64"	52/64"	HRC-037	18
1/2"	57/64"	1"	HRC-050	18
3/4"	1-16/64"	1-20/64"	HRC-075	36
1"	1-37/64"	1-41/64"	HRC-100	64
1 1/4"	1-54/64"	1-62/64"	HRC-125	90
1 1/2"	2-10/64"	2-18/64"	HRC-150	90
2"	2-43/64"	2-52/64"	HRC-200	90

Inline Hydraulic Filters

Features:

- provides protection for small, high pressure systems
- installs at the pressure side of a pump
- conically shaped bronze element positioned by a retaining spring to allow true, uninterrupted flow
- standard 25 micron bronze element can be easily cleaned or replaced
- temperature range: **35°F to 200°F (2°C to 93°C)**
- maximum operating pressure: **3000 PSI**



Female SAE	Overall Length	Diameter	Plated Steel Part #
9/16" - 18	3 1/4"	1 1/2"	9152
3/4" - 16	3 1/4"	1 1/2"	9153

Pipe and Tube Clamps

Applications:

- standard hydraulic applications, general pipe construction, electric cables, etc.
- *Standard and twin series clamps* are recommended for systems with less than 1500 PSI without dynamic loads.
- *Heavy duty clamps* are recommended for systems with greater than 1500 PSI operating pressure.

Features:

- clamps are welded in place to secure the pipe or tubing
- polypropylene cushions reduce wear due to vibration
- kit includes clamp with weld plate, cover plate and bolts

Standard Series

Pipe Nom. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	1.65"	1.18"	1.30"	<i>HST02P</i>
1/4" pipe	1.89"	1.18"	1.54"	<i>HST04P</i>
1/4" tube	1.65"	1.18"	1.30"	<i>HST04T</i>
5/16" tube	1.65"	1.18"	1.30"	<i>HST05T</i>
3/8" pipe	1.89"	1.18"	1.54"	<i>HST06P</i>
3/8" tube	1.65"	1.18"	1.30"	<i>HST06T</i>
1/2" pipe	2.17"	1.18"	1.61"	<i>HST08P</i>
1/2" tube	1.89"	1.18"	1.54"	<i>HST08T</i>
5/8" tube	1.89"	1.18"	1.54"	<i>HST10T</i>
3/4" pipe	2.44"	1.18"	1.89"	<i>HST12P</i>
3/4" tube	2.17"	1.18"	1.61"	<i>HST12T</i>
7/8" tube	2.17"	1.18"	1.61"	<i>HST14T</i>
1" pipe	2.91"	1.18"	2.52"	<i>HST16P</i>
1" tube	2.17"	1.18"	1.61"	<i>HST16T</i>
1 1/4" pipe	2.91"	1.18"	2.52"	<i>HST20P</i>
1 1/4" tube	2.91"	1.18"	2.52"	<i>HST20T</i>
1 1/2" pipe	3.46"	1.18"	2.83"	<i>HST24P</i>
1 1/2" tube	2.91"	1.18"	2.52"	<i>HST24T</i>
2" tube	3.46"	1.18"	2.83"	<i>HST32T</i>

**Twin Series**

Pipe Nom. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	1.46"	1.18"	1.36"	<i>HTW02P</i>
1/4" pipe	1.46"	1.18"	1.36"	<i>HTW04P</i>
1/4" tube	1.46"	1.18"	1.36"	<i>HTW04T</i>
5/16" tube	1.46"	1.18"	1.36"	<i>HTW05T</i>
3/8" pipe	2.17"	1.18"	1.42"	<i>HTW06P</i>
3/8" tube	1.46"	1.18"	1.36"	<i>HTW06T</i>
1/2" pipe	2.76"	1.18"	1.85"	<i>HTW08P</i>
1/2" tube	2.17"	1.18"	1.42"	<i>HTW08T</i>
5/8" tube	2.17"	1.18"	1.42"	<i>HTW10T</i>
3/4" pipe	3.35"	1.18"	2.05"	<i>HTW12P</i>
3/4" tube	2.76"	1.18"	1.85"	<i>HTW12T</i>
7/8" tube	2.76"	1.18"	1.85"	<i>HTW14T</i>
1" pipe	4.33"	1.18"	2.52"	<i>HTW16P</i>
1" tube	2.76"	1.18"	1.85"	<i>HTW16T</i>
1 1/4" pipe	4.33"	1.18"	2.52"	<i>HTW20P</i>
1 1/4" tube	4.33"	1.18"	2.52"	<i>HTW20T</i>
1 1/2" tube	4.33"	1.18"	2.52"	<i>HTW24T</i>



Pipe and Tube Clamps

Heavy Duty Series

Hydraulic Fittings



Pipe Nom. Bore/Tube OD	Length	Width	Height	Steel & Polypropylene Part #
1/8" pipe	2.87"	1.18"	1.89"	HHD02P
1/4" pipe	2.87"	1.18"	1.89"	HHD04P
1/4" tube	2.87"	1.18"	1.89"	HHD04T
5/16" tube	2.87"	1.18"	1.89"	HHD05T
3/8" pipe	2.87"	1.18"	1.89"	HHD06P
3/8" tube	2.87"	1.18"	1.89"	HHD06T
1/2" pipe	3.35"	1.18"	2.52"	HHD08P
1/2" tube	2.87"	1.18"	1.89"	HHD08T
5/8" tube	2.87"	1.18"	1.89"	HHD10T
3/4" pipe	3.35"	1.18"	2.52"	HHD12P
3/4" tube	3.35"	1.18"	2.52"	HHD12T
7/8" tube	3.35"	1.18"	2.52"	HHD14T
1" pipe	3.94"	1.18"	2.99"	HHD16P
1" tube	3.35"	1.18"	2.52"	HHD16T
1 1/4" pipe	5.51"	1.77"	4.33"	HHD20P
1 1/4" tube	3.94"	1.18"	2.99"	HHD20T
1 1/2" pipe	5.51"	1.77"	4.33"	HHD24P
1 1/2" tube	3.94"	1.18"	2.99"	HHD24T
2" pipe	5.51"	1.77"	4.33"	HHD32P
2" tube	5.51"	1.77"	4.33"	HHD32T



Ball	532 to 546	Needle	552 to 553, 555
Bronze	532 to 534, 537	Mini	552
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With NPT tap for drain	534	External Drains	554
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- Sanitary valves are located on pages: 631 - 652
- Fire valves are located on pages: 821 - 842



Domestic Bronze Ball Valves

Valves

**Application:**

- for control of air, water, oil and gas in hose or pipe lines, for other services, please contact Dixon®

Features:

- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam
- bronze valve bodies, balls and stems
- blow-out proof stems
- glass-filled reinforced PTFE seats and stuffing box ring; stem seals and washers
- plated steel handles and nuts with vinyl sleeves replacements available, contact Dixon® for pricing
- full and standard port valves are repairable
- meets WW-V 35C, Type II Composition

Female NPT	Port	Bronze Part #
1/4"	full	BBV25
3/8"	full	BBV38
1/2"	full	BBV50
3/4"	standard	BBV75
1"	standard	BBV100
1 1/4"	standard	BBV125
1 1/2"	standard	BBV150
2"	standard	BBV200
2 1/2"	standard	BBV250
3"	standard	BBV300

Domestic Full Port Bronze Ball Valves

Features:

- machined solid chrome-plated ball
- multi-fill RPTFE seats and seals
- adjustable packing
- blow-out proof stem design
- bronze castings
- vacuum service to 29 inches Hg
- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam



Female NPT	Port	Bronze Part #
3/4"	full	BBV75FP
1"	full	BBV100FP
1 1/4"	full	BBV125FP
1 1/2"	full	BBV150FP
2"	full	BBV200FP

Locking Handle Bronze Ball Valves

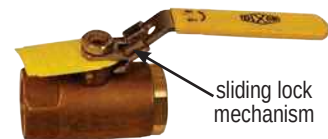
Application:

- for control of air, water, oil and gas in hose or pipe lines, for other services, please contact Dixon®

Features:

- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam
- blow-out proof RPTFE stem
- chrome-plated bronze ball
- Stainless steel sliding lock mechanism secures handle in open or closed position; can be padlocked opened or closed.
- plated steel handles and nuts with vinyl sleeves
- full and standard port valves are repairable

Female NPT	Port	Bronze Part #
1/4"	full	BBLV25
3/8"	full	BBLV38
1/2"	full	BBLV50
3/4"	standard	BBLV75
1"	standard	BBLV100
1 1/4"	standard	BBLV125
1 1/2"	standard	BBLV150
2"	standard	BBLV200



Valves

sliding lock mechanism

Bronze Ball Valves

Applications:

- for air, water, oil and gas service

Features:

- pressure rating: **600 PSI**, cold non-shock pressure rating: **150 PSI** saturated steam
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem
- adjustable packing gland

Male NPT x Female NPT	Port	Bronze Part #
1/2"	standard	BMV50
3/4"	standard	BMV75
1"	standard	BMV100



"Deadman" Spring Return Handle Brass Ball Valves

Features:

- pressure rating: **600 PSI** WOG; **150 PSI** saturated steam
- vacuum service to 29 inches Hg
- stainless steel lever
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem design
- adjustable packing gland
- spring return closes valve when not held open
- operating torque approximately three times standard valve torque

Female NPT	Port	Brass Part #
1/2"	full	BBV50SR
3/4"	standard	BBV75SR
1"	standard	BBV100SR
1 1/2"	standard	BBV150SR
2"	standard	BBV200SR



250 Lb. Steam Ball Valves

Application:

- recommended for use with fluids with widely varying temperatures and/or thermal expansion rates

Features:

- pressure rating: **600 PSI**; **250 PSI** saturated steam
- vacuum service to 29 inches Hg
- bronze body
- 316 stainless steel ball and stem
- blow-out proof stem design
- multi-fill RPTFE seats
- multi-fill stuffing box ring
- high temperature MTFE stem packing
- adjustable packing gland
- maximum temperature: **450°F (232°C)**

Valves



Female NPT	Port	Bronze Part #
1/2"	full	BBV50ST
3/4"	standard	BBV75ST
1"	standard	BBV100ST
2"	standard	BBV200ST

Safety Vented Ball Valves

Application:

- for air service only

Features:

- pressure rating: **0-125 PSI**
- vent downstream air in accordance with OSHA regulation 1910.147 for pneumatic systems
- bronze valve
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem design
- adjustable packing gland



sliding lock mechanism

Female NPT	Port	Bronze Part #
1/4"	full	BBV25LV
3/8"	full	BBV38LV
1/2"	full	BBV50LV
3/4"	standard	BBV75LV
1"	standard	BBV100LV
1 1/4"	standard	BBV125LV
1 1/2"	standard	BBV150LV
2"	standard	BBV200LV

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Bronze Ball Valves with NPT Tap for Drain

Application:

- recommended for water and air service

Features:

- pressure rating: **125 PSI** WOG
- vent downstream air in accordance with OSHA regulations for pneumatic systems
- chromium plated ball
- RTFE seats and stuffing box ring
- blow-out proof stem
- adjustable packing gland
- auto-drain / auto-vent
- 1/4" NPT tapped port provides additional options such as an air venting elbow or noise muffler



Female NPT	Port	Bronze Part #
1/4"	full	BBV25VT
3/8"	full	BBV38VT
1/2"	full	BBV50VT
3/4"	full	BBV75VT
1"	full	BBV100VT

Imported Brass Ball Valves

Application:

- for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

Features:

- pressure rating: **600 PSI WOG; 150 PSI Working Steam Pressure**
- forged brass body
- blow-out proof stems
- PTFE seat, seal and thrust washer
- chrome-plated brass ball and plated steel handle
- maximum temperature: **366°F (186°C)**
- Underwriters Listed

female NPT x female NPT



Size	Port	Brass Part #
1/4"	full	FBV25
3/8"	full	FBV38
1/2"	full	FBV50
3/4"	full	FBV75
1"	full	FBV100
1 1/4"	full	FBV125
1 1/2"	full	FBV150
2"	full	FBV200



female NPT x female NPT



Size	Port	Brass Part #
2 1/2"	full	FBV250
3"	full	FBV300
4"	full	FBV400

Imported Brass Ball Valve with Locking Handle

Application:

- for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

Features:

- pressure ratings: **600 PSI WOG; 150 PSI Working Steam Pressure**
- forged brass body
- blow-out proof stem
- PTFE seat, seal and thrust washer
- chrome-plated brass ball and plated steel handle
- maximum temperature: **366°F (186°C)**

Female NPT	Port	Brass Part #
1/2"	full	FBVL50
3/4"	full	FBVL75
1"	full	FBVL100
1 1/4"	full	FBVL125
1 1/2"	full	FBVL150
2"	full	FBVL200
2 1/2"	full	FBVL250
3"	full	FBVL300
4"	full	FBVL400



Global Brass Ball Valves

Application:

- for water and air only

Features:

- pressure ratings:
 - 1/4" - 3/8" rated to **365 PSI**
 - 1/2" - 2" rated to **600 PSI**
- forged brass body
- maximum temperature: **248°F (120°C)**

Valves



Female NPT	Port	Forged Brass Part #
1/4"	full	FBVG25
3/8"	full	FBVG38
1/2"	full	FBVG50
3/4"	full	FBVG75
1"	full	FBVG100
1 1/4"	full	FBVG125
1 1/2"	full	FBVG150
2"	full	FBVG200

Solder End Brass Ball Valves

Application:

- provides protection against potential gas leakage under extreme duty or low pressure applications

Features:

- pressure rating: **600 PSI WOG; 150 PSI** working steam pressure
- maximum temperature: **366°F (186°C)**
- brass body
- blow-out proof stem
- chrome-plated brass ball
- adjustable stem packing nut
- PTFE seat, seal, and thrust washer



Size	Port	Brass Part #
1/2"	full	FBV50SE
3/4"	full	FBV75SE
1"	full	FBV100SE
1 1/4"	full	FBV125SE
1 1/2"	full	FBV150SE
2"	full	FBV200SE

Lead Free Brass Ball Valves

Features:

- lead free refers to the wetted surface of pipes, fittings and fixtures in potable water systems that have a weighted average lead content = 0.25% Source: California Health & Safety Code (116875). Vermont Act 193*171NLF
- pressure rating: **600 WOG - 150 WSP**
- maximum temperature: **366°F (186°C)**
- PTFE seat and double O-ring stem packing



Female NPT	Port	Lead Free Brass Part #
1/2"	full	LFV50
3/4"	full	LFV75
1"	full	LFV100
1 1/4"	full	LFV125
1 1/2"	full	LFV150
2"	full	LFV200

Dual Y Valves

Application:

- ideal for compressor applications

Features:

- dual action valve
- non-vented pressure rating: **600 PSI WOG**
- vented pressure rating: **125 PSI** Cold Working Pressure

Vented

Female NPT Inlet (1)	Female NPT Outlets (2)	Bronze Part #
1"	3/4"	BBV100DWV
1 1/4"	3/4"	BBV125DWV

Non-Vented

Female NPT Inlet (1)	Female NPT Outlets (2)	Bronze Part #
1"	3/4"	BBV100DW
1 1/4"	3/4"	BBV125DW



Valves

Mini Ball Valves

**Features:**

- pressure rating: **450 PSI**
- nickel plated brass body
- PTFE seats and FKM stem seal
- blow-out proof stem
- maximum temperature **330°F (166°C)**
- Canadian Standard Association approved

Female NPT	Port	Nickel Plated Brass Part #
1/8"	standard	MBV12
1/4"	standard	MBV25
3/8"	standard	MBV38
1/2"	standard	MBV50



3-Way Brass Diverting Ball Valves T Flow

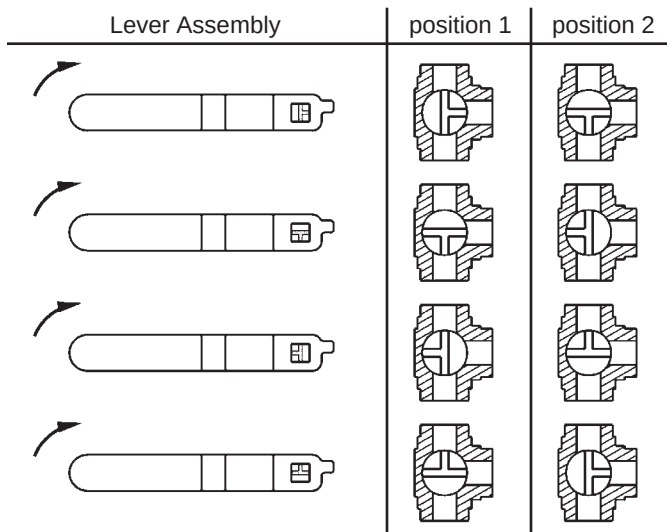
female NPT x female NPT x female NPT

Valves



Features:

- pressure rating: **400 PSI WOG**; **100 PSI** saturated steam
- brass body
- blow-out proof stem
- chrome plated brass ball
- PTFE seats, seals, and thrust washer
- adjustable stem packing
- maximum temperature: **366°F (186°C)**



Size	Port	Brass Part #
1/2"	standard	BBV50DTW
3/4"	standard	BBV75DTW
1"	standard	BBV100DTW
1 1/4"	standard	BBV125DTW
1 1/2"	standard	BBV150DTW
2"	standard	BBV200DTW

Note: 1/4 turn handle can be adjusted to any orientation.
Notches on the valve stem reflect the three openings on the ball.

3-Way Brass Diverting Ball Valves L Flow

female NPT x female NPT x female NPT

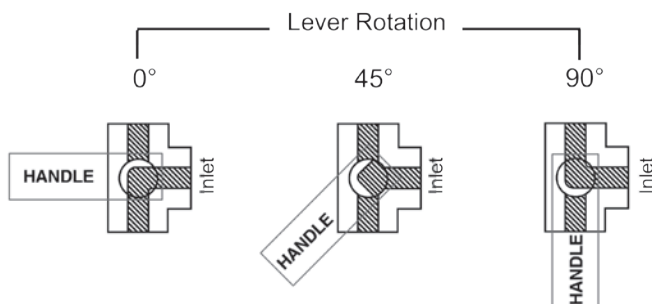


Features:

- can be used with gasoline and diesel fuel
- pressure rating: **400 PSI WOG**
- bronze body
- blow-out proof stem
- chromium-plated ball
- RPTFE seats and stuffing box ring
- stainless steel handle and nut with vinyl sleeve
- adjustable packing gland

Size	Port	Bronze Part #
1/2"	full	BBV50TW ¹
3/4"	standard	BBV75TW
1"	standard	BBV100TW

¹ carbon steel handle and nut with vinyl sleeve



Features:

- rated to **800 PSI WOG**
- stainless steel body and ball
- blow-out proof stem
- RPTFE seats and stuffing box ring
- stainless steel handle and nut with vinyl sleeve
- adjustable packing gland
- meets NACE MR-01-75

Size	Port	Stainless Steel Part #
1/2"	full	SSBV50TW
3/4"	standard	SSBV75TW
1"	standard	SSBV100TW

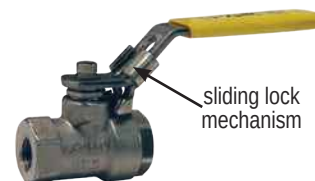
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2-Piece Domestic Stainless Steel Ball Valves

Features:

- pressure rating: **1,000 PSI** Cold Working Pressure
- pressure rating: **150 PSI** saturated steam
- vacuum service to 29 inches Hg
- 316 stainless body, ball and stem
- PTFE seal
- blow-out proof stem
- vinyl handle cover
- temperature range: **-40°F to 400°F (-40°C to 204°C)**

Female NPT	Port	316 Stainless Steel Part #
1/4"	full	DSBV25
3/8"	full	DSBV38
1/2"	full	DSBV50
3/4"	full	DSBV75
1"	full	DSBV100
1 1/4"	full	DSBV125
1 1/2"	full	DSBV150
2"	full	DSBV200



Valves

Stainless Steel Ball Valves Full Port

Applications:

- for use with water, oil and gas

Features:

- pressure rating: 1/4" - 2" rated to **1000 PSI** WOG (CWP)
2 1/2" - 3" rated to **800 PSI** WOG (CWP)
100 PSI saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- blow-out proof stem design
- temperature range: **-20°F to 446°F (-29°C to 230°C)** as long as the valve is run fully open/ closed

Female NPT	Port	316 Stainless Steel Part #
1/4"	full	SSBV25
3/8"	full	SSBV38
1/2"	full	SSBV50
3/4"	full	SSBV75
1"	full	SSBV100
1 1/4"	full	SSBV125
1 1/2"	full	SSBV150
2"	full	SSBV200
2 1/2"	full	SSBV250
3"	full	SSBV300



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Stainless Steel Ball Valves Full Port with Locking Handle

Valves

Applications:

- for use with water, oil and gas

Features:

- pressure rating: ¼" - 2" rated to **1000 PSI** WOG (CWP)
2½" - 3" rated to **800 PSI** WOG (CWP)
100 PSI saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- plastic cover on handle
- blow-out proof stem design
- temperature range: **-20°F to 356°F (-29°C to 180°C)**
- lockable
- not recommended as a throttling valve



Female NPT	Port	316 Stainless Steel Part #
¼"	full	SSLBV25
⅜"	full	SSLBV38
½"	full	SSLBV50
¾"	full	SSLBV75
1"	full	SSLBV100
1¼"	full	SSLBV125
1½"	full	SSLBV150
2"	full	SSLBV200
2½"	full	SSLBV250
3"	full	SSLBV300

Stainless Steel Ball Valves Reduced Port with Locking Handle

Applications:

- for use with water, oil and gas

Features:

- pressure rating: **1000 PSI** WOG; **100 PSI** saturated steam
- 316 stainless steel body, ball and stem
- RPTFE seat, joint gasket and thrust washer
- plastic cover on handle
- blow-out proof stem design
- temperature range: **-20°F to 356°F (-29°C to 180°C)**
- lockable
- not recommended as a throttling valve



Female NPT	Port	316 Stainless Steel Part #
¼"	reduced	SSLBV25SP
⅜"	reduced	SSLBV38SP
½"	reduced	SSLBV50SP
¾"	reduced	SSLBV75SP
1"	reduced	SSLBV100SP
1¼"	reduced	SSLBV125SP
1½"	reduced	SSLBV150SP
2"	reduced	SSLBV200SP

3-Piece Industrial Stainless Steel Ball Valves FNPT

Features:

- blow out proof stem
- live-loaded stem packing
- swing out design for easy maintenance
- ISO 5211 mounting pad
- RTFE seat and seals
- maximum temperature: **400°F (200°C)**
- maximum pressure: 1/4" - 1/2" **1,000 PSI** WOG at 65°F,
2 1/2" - 3" **800 PSI** WOG at 65°F, 4" **600 PSI** WOG at 65°F

Female NPT	Port	PSI @ 65°F	Body Length	CF8M Stainless Steel Part #
1/2"	full	1000	2.8"	BV2IGN05011-A
3/4"	full	1000	3.1"	BV2IGN07511-A
1"	full	1000	3.3"	BV2IGN10011-A
1 1/4"	full	1000	4.1"	BV2IGN12511-A
1 1/2"	full	1000	4.4"	BV2IGN15011-A
2"	full	1000	5.1"	BV2IGN20011-A
2 1/2"	full	800	6.6"	BV2IGN25011-A
3"	full	800	7.3"	BV2IGN30011-A
4"	full	600	8.9"	BV2IGN40011-A



Valves

3-Piece Industrial Stainless Steel Ball Valves Socket Weld

Female NPT	Port	PSI @ 65°F	Body Length	CF8M Stainless Steel Part #
1/2"	full	1000	2.8"	BV2IGN05033-A
3/4"	full	1000	3.1"	BV2IGN07533-A
1"	full	1000	3.3"	BV2IGN10033-A
1 1/4"	full	1000	4.1"	BV2IGN12533-A
1 1/2"	full	1000	4.4"	BV2IGN15033-A
2"	full	1000	5.1"	BV2IGN20033-A
2 1/2"	full	800	6.6"	BV2IGN25033-A
3"	full	800	7.3"	BV2IGN30033-A
4"	full	600	8.9"	BV2IGN40033-A



"Deadman" Spring Return Handle Stainless Steel Ball Valves

Features:

- pressure rating: **2000 PSI** WOG 1/2" to 1"; **1500 PSI** WOG 1 1/4" to 2"
- **150 PSI** saturated steam, all sizes
- vacuum service to 29 inches Hg, all sizes
- PTFE seal
- blow-out proof stem design
- adjustable packing gland
- spring return closes valve when not held open
- operating torque approximately three times standard valve torque

Female NPT	Port	316 Stainless Steel Part #
1/2"	full	SSBV50SR
3/4"	standard	SSBV75SR
1"	standard	SSBV100SR
1 1/4"	standard	SSBV125SR
1 1/2"	standard	SSBV150SR
2"	standard	SSBV200SR



Industrial Wafer Ball Valves

Valves

**Features:**

- ANSI Class 150 wafer style ball valve
- full port, sizes 1" to 4"
- blow out proof stem
- ideal option to high performance butterflies
- space saving
- anti-static stem design
- locking plate included

Materials:

- body: CF8M
- ball and end connection: 316 stainless steel
- elastomers: FKM
- seats: 25% carbon reinforced PTFE

Size	Stainless Steel Part #
1"	BV2IC-100WW-A
1¼"	BV2IC-125WW-A
1½"	BV2IC-150WW-A
2"	BV2IC-200WW-A
2½"	BV2IC-250WW-A
3"	BV2IC-300WW-A
4"	BV2IC-400WW-A

Mann Tek Full Flow Ball Valves

Features:

- high flow rate; low pressure drop
- wetted parts are aluminum and stainless steel
- FPM seals
- spindle can be disassembled even when ball valve is installed
- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved
- optional ports include DN flange, butt weld and 150# flange, contact Dixon® for details
- two ports - one inlet and one outlet

One-Way Full Flow Ball Valve Female NPT

Size	Aluminum Part #
2"	1WAYBV200
3"	1WAYBV300
4"	1WAYBV400

**One-Way Full Flow Ball Valve Socket Weld**

Size	Bore	Aluminum Part #
2"	2.390"	1WAYBV200SW
3"	3.530"	1WAYBV300SW

**One-Way Full Flow Ball Valve Grooved**

Size	Aluminum Part #
2"	1WAYBV200VIC
3"	1WAYBV300VIC



Mann Tek Full Flow Ball Valves

Features:

- high flow rate; low pressure drop
- wetted parts are aluminum and stainless steel
- FPM seals
- spindle can be disassembled even when ball valve is installed
- working pressure: **150 PSI** at ambient temperature **70°F (21°C)**
- standard valve ports - female NPT, socket weld for Schedule 40 pipe and grooved
- optional ports include DN flange, butt weld and 150# flange, contact Dixon® for details
- three ports - one inlet and two outlets, valve directs the flow from the inlet to either of the two outlets
- commonly used for switching compartments or tanks



Valves

Two-Way Full Flow Ball Valve Female NPT

Size	Aluminum Part #
2"	2WAYBV200
3"	2WAYBV300
4"	2WAYBV400

Two-Way Full Flow Ball Valve Socket Weld

Size	Bore	Aluminum Part #
2"	2.390"	2WAYBV200SW
3"	3.530"	2WAYBV300SW

**Two-Way Full Flow Ball Valve Grooved**

Size	Aluminum Part #
2"	2WAYBV200VIC3
3"	2WAYBV300VIC3



Carbon Steel Ball Valves

Applications:

- for control of air, water, oil and gas in hose or pipe lines, for other services please contact Dixon®

Features:

- pressure rating: **150 PSI** saturated steam
- carbon steel body
- chromium plated ball
- RPTFE seat and seal
- blow-out proof stem
- adjustable packing gland

Valves



Female NPT	PSI	Port	Carbon Steel Part #
1/4"	2000	full	IBV25
3/8"	2000	full	IBV38
1/2"	2000	standard	IBV50
3/4"	2000	standard	IBV75
1"	2000	standard	IBV100
1 1/4"	1500	standard	IBV125
1 1/2"	1500	standard	IBV150
2"	1500	standard	IBV200

High Pressure Full-Bore Ball Valves

Features:

- blow-out proof stem
- rugged construction
- FKM/FPM seals
- POM (Polyacetal) ball seats



Female NPT	PSI	Carbon Steel		PSI	316 Stainless Steel Part #
		Part #	SAE Part #		
1/4"	7350	HPBV25	HPBV25SAE	5880	HPBV25SS
3/8"	7350	HPBV38	HPBV38SAE	5880	HPBV38SS
1/2"	7350	HPBV12	HPBV12SAE	5880	HPBV12SS
3/4"	6000	HPBV34	HPBV34SAE	5145	HPBV34SS
1"	6000	HPBV10	HPBV10SAE	5145	HPBV10SS
1 1/4"	6000	HPBV125	HPBV125SAE	---	---
1 1/2"	6000	HPBV150	HPBV150SAE	---	---
2"	6000	HPBV200	HPBV200SAE	---	---

High Pressure Full-Bore **3-Way** Ball Valves

Features:

- temperature range: **-20°F to 215° F (-29°C to 102°C)**
- rugged construction
- FKM seals
- POM (polyacetal) ball seats
- black oxide coating
- nickel plated ball



Standard L 90°

Female NPT	PSI	Carbon Steel Part #
1/2"	5145	HPBV12-3WAY
3/4"	5145	HPBV34-3WAY
1"	5145	HPBV10-3WAY

150# Flanged Ball Valves

Applications:

- suitable for air, water, oil and gas

Features:

- product approvals include: LP gas shut-off valves, flammable liquid shut-off valves, gas shut-off valves, compressed gas shut-off valves, and anhydrous ammonia shut-off valves
- body: ASTM A216 WCB
- RPTFE seat
- vacuum service to 29 inches of Hg
- pressure rating: **150 PSIG** saturated steam
- temperature up to **400°F (204°C)**
- PSI rating up to **280 PSI**
- four point ISO 5211 mounting pad bolt pattern
- anti-static grounded ball and stem
- blow-out proof stem design
- bleed/drain port (cast) 1/2" NPT
- fire safe (graphite packing and seal)
- adjustable packing gland

Size	Port	Carbon Steel Part #
2"	full	FLBV200CS
2½"	full	FLBV250CS
3"	full	FLBV300CS
4"	full	FLBV400CS
6"	full	FLBV600CS
8"	full	FLBV800CS

- For flange dimensions, diagrams and additional information please reference dixonvalve.com.



Valves

Polypropylene Bolted Ball Valves

Features:

- pressure rating: ½" - 3" is rated to **125 PSI** at **70°F (21°C)**
4" is rated to **90 PSI** at **70°F (21°C)**
- chemically-resistant, reinforced polypropylene
- PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seal
- 304 stainless steel nuts and bolts
- FDA approved material

Polypropylene 4-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
½"	full	PVFP50
¾"	full	PVFP75
1"	full	PVFP100
1½"	full	PVFP150
1"	standard	PV100
2"	standard	PV200



Polypropylene 6-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
2"	full	PVFP200
3"	full	PVFP300



Polypropylene 8-Bolt Ball Valves

Female NPT	Port	Polypropylene Part #
4"	full	PVFP400



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Polypropylene Compact Bolted Ball Valves

Features:

- pressure rating: **125 PSI at 70°F (21°C)**
- chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seal, FKM O-ring stem seals
- 304 stainless steel nuts and bolts
- FDA approved material

Valves



Polypropylene Compact Bolted Ball Valve

Female NPT	Port	Body Length	Polypropylene Part #
2"	full	4 $\frac{7}{8}$ "	PVFPS200



Polypropylene Compact Bolted Ball Valve

Female NPT x Male Adapter	Port	Body Length	Polypropylene Part #
2"	full	6 $\frac{7}{8}$ "	PVFPSA200

Polypropylene 45° Single Union Nozzle Valves

Features:

- pressure rating: **125 PSI at 70°F (21°C)**
- corrosion resistant polypropylene body, PTFE ball seats
- EPDM O-ring
- FDA approved material



Female NPT x Nozzle	Port	Polypropylene Part #
1"	full	SUBVN100

Polypropylene Bolted Ball Valves with Nozzle

Features:

- pressure rating: **125 PSI at 70°F (21°C)**
- chemically-resistant, reinforced polypropylene body, PTFE ball seat
- EPDM O-ring body seals, FKM O-ring stem seals
- 304 stainless steel nuts and bolts
- FDA approved material
- body-to-flange design allows for low torque operation



Female NPT x Nozzle	Port	Polypropylene Part #
1 $\frac{1}{2}$ "	full	PVFPN150
2"	full	PVFPN200
2"	standard	PVN200

Polypropylene Single Union Ball Valves

Features:

- pressure rating: **125 PSI at 70°F (21°C)**
- corrosion resistant polypropylene body, PTFE ball seat
- EPDM O-ring
- FDA approved material



Female NPT	Port	Polypropylene Part #
1/2"	full	SUBV50
3/4"	full	SUBV75
1"	full	SUBV100
1 $\frac{1}{4}$ "	full	SUBV125
1 $\frac{1}{2}$ "	full	SUBV150
2"	full	SUBV200
3"	full	SUBV300

Domestic Bronze Gate Valves

Features:

- Class 150
- pressure rating: **300 PSI** cold working pressure, **150 PSI** steam working pressure
- union bonnet
- ASME B1.20.1
- Grafoil® packing
- rising stem
- solid disc
- malleable iron handwheel
- 100% factory tested
- temperature range: **-20°F to 406°F (-29°C to 208°C)**

Female NPT	Bronze Part #
1/2"	DBGV50
3/4"	DBGV75
1"	DBGV100
1 1/4"	DBGV125
1 1/2"	DBGV150
2"	DBGV200



Valves

Stainless Steel Gate Valves

Features:

- pressure rating: **200 PSI** non-shock cold water, oil, gas
- threaded bonnet
- integral seat
- adjustable packing nut
- non-rising stem
- solid wedge disc
- iron handwheel
- 100% factory tested

Female NPT	Brass Part #	316 Stainless Steel Part #
1/4"	BGV25	---
3/8"	BGV38	---
1/2"	BGV50	SSGV50
3/4"	BGV75	SSGV75
1"	BGV100	SSGV100
1 1/4"	BGV125	SSGV125
1 1/2"	BGV150	SSGV150
2"	BGV200	SSGV200
2 1/2"	BGV250	---
3"	BGV300	---
4"	BGV400	---



brass



316 stainless

Forged Steel Gate Valves

Application:

- can be used for steam service

Features:

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**

Female NPT	Forged Steel Part #
1/2"	FSGV50
3/4"	FSGV75
1"	FSGV100
1 1/4"	FSGV125
1 1/2"	FSGV150
2"	FSGV200



Domestic Bronze Globe Valves

Features:

- Class 150
- pressure rating: **300** PSI cold working pressure, **150** PSI steam working pressure
- union bonnet
- ASME B1.20.1
- Grafoil® packing
- PTFE disc
- malleable iron handwheel
- 100% factory tested



Female NPT	Bronze Part #
1/2"	DGLBV50
3/4"	DGLBV75
1"	DGLBV100
1 1/4"	DGLBV125
1 1/2"	DGLBV150
2"	DGLBV200

Forged Steel Globe Valves

Features:

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**
- can be used for steam service



Female NPT	Forged Steel Part #
1/2"	FSGLBV50
3/4"	FSGLBV75
1"	FSGLBV100
1 1/4"	FSGLBV125
1 1/2"	FSGLBV150
2"	FSGLBV200

Betts Wet-R-Dri™ Butterfly Valves

Application:

- designed for handling liquid, gaseous or dry products

Features:

- has a positive stop in the open and closed position
- detent spring and ball assist in holding the disc in the open and closed position
- drilling fits TTMA recommended standards
- opens by turning hand 1/4 turn counter clockwise
- temperature range: **0°F to 400°F (-17°C to 204°C)**



Manual

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
3"	75	WD301ALVB
4"	75	WD401ALVB



Metering

Size	Maximum Working Pressure PSI	Extruded aluminum body with FKM-B disc Part #
3"	75	WD304ALVB
4"	75	WD404ALVB

- For flange dimensions, diagrams and additional information please reference dixonvalve.com

Ductile Iron **Butterfly Valves****NOT RECOMMENDED FOR STEAM SERVICE**

- for use between two 150 lb. flanges
- 10 position trigger grip handle
- pressure rating: **200 PSI** at ambient temperature **70°F (21°C)**

Threaded Lug Style Butterfly Valves**Features:**

- ductile iron body, ASTM A536
- aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- stainless steel top and bottom stems

Size	Ductile Iron with Buna-N Liner Part #	Ductile Iron with EPDM Liner Part #
2"	BFVL200	BFVL200E
3"	BFVL300	BFVL300E
4"	BFVL400	BFVL400E
6"	BFVL600	BFVL600E



Valves

Wafer Style 150 lb. Butterfly Valves with Aluminum Bronze Disc**Features:**

- ductile iron body, ASTM A536
- aluminum bronze disc, ASTM B148, ALY.954
- PTFE bushing
- stainless steel top and bottom stems

Size	Ductile Iron with Buna-N Liner Part #	Ductile Iron with EPDM Liner Part #
2"	BBFVW200	BBFVW200E
3"	BBFVW300	BBFVW300E
4"	BBFVW400	BBFVW400E
6"	BBFVW600	BBFVW600E

**Wafer Style 150 lb. Butterfly Valves with Stainless Disc****Features:**

- ductile iron body, ASTM A536
- stainless steel disc, ASTM A351, GR. CF-8M
- Buna-N seal and stem seals
- PTFE bushing
- stainless steel top and bottom stems

Size	Ductile Iron with Buna-N Liner Part #
2"	BFVW200
3"	BFVW300
4"	BFVW400
6"	BFVW600



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Wafer Style 150 lb. Butterfly Valves with Iron Disc**Features:**

- ductile iron body, ASTM A536
- nickel plated ductile iron disc
- Buna-N seal and stem seals
- PTFE bushing
- 416 stainless stem

Size	Ductile Iron with Buna-N Liner Part #	Ductile Iron with EPDM Liner Part #
3"	IBFVW300	IBFVW300E
4"	IBFVW400	IBFVW400E
6"	IBFVW600	IBFVW600E
8"	IBFVW800	IBFVW800E



Flow Control Valves

Steel Series F

Features:

- Two-step needle provides fine adjustments at low flow with the first three turns of the adjusting knob. The next three turns give full-open needle position and conventional throttling control. When flow is reversed, a heavy-duty poppet/retainer permits full-flow return capacity.
- color-coded reference scale simplifies flow setting, resetting, adjusting and return to original flow, a simple set screw locks the valve on any desired setting.
- maximum operating pressure: **5000 PSI at 70°F (21°C)** for 1/8" - 1/2", **3000 PSI at 70°F (21°C)** for 3/4" - 2"



Female NPTF	Black Oxide Steel Part #
1/8"	SFC200
1/4"	SFC400
3/8"	SFC600
1/2"	SFC800
3/4"	SFC1200
1"	SFC1600
1 1/2"	SFC2400
2"	SFC3200

Brass Series F

Features:

- provides precision flow control and full shutoff in one flow direction, automatically allows unrestricted flow in the opposite direction
- two-step needle for fine adjustments at low flow with first 3 turns of the adjusting knob, next 3 turns give full-open needle position and conventional throttling control
- when flow is reversed the heavy-duty poppet/retainer permits full flow return capacity
- color coded scale simplifies flow setting, resetting, adjusting and return to an original flow
- a set screw locks the valve on any desired setting
- maximum operating pressure: **2000 PSI** at ambient temperature **70°F (21°C)** for sizes 1/8" - 3/4", **500 PSI** at ambient temperature **70°F (21°C)** for 1"



Female NPTF	Brass Part #
1/8"	BFC200
1/4"	BFC400
3/8"	BFC600
1/2"	BFC800
3/4"	BFC1200
1"	BFC1600

Series MV Metering

Features:

- easily make fine adjustments and resets with color code feature that shows when desired setting is reached
- body components are precision-turned from solid barstock
- 416 stainless steel needle
- maximum operating pressure: **5000 PSI at 70°F (21°C)**



Female NPTF	Steel Part #
1/4"	SMV400
3/8"	SMV600
1/2"	SMV800

Flow Control Valves

Steel Series PF

Features:

- recommended for use in non-shock applications
- ball type check meters the flow of hydraulic oil in one direction and allows for free flow in the reverse direction
- maximum operating pressure: **5000 PSI at 70°F (21°C)**, cracking pressure: **5 PSI**

Female NPTF	Zinc Plated Steel with a dichromate seal Part #
1/4"	SPF400
3/8"	SPF600
1/2"	SPF800



Valves

Brass Series PF

Features:

- ball type check meters flow of air in one direction and allows free flow in the reverse direction
- used to control actuator speed by acting as a restriction
- maximum operating pressure: **2000 PSI at ambient temperature 70°F (21°C)**
- cracking pressure: **5 PSI**

Female NPTF	Brass Part #
1/8"	BPF200
1/4"	BPF400
3/8"	BPF600
1/2"	BPF800



Steel Series N

Features:

- excellent speed control on hydraulic systems where a reverse flow check valve is not needed
- reliable shutoff in a very small envelope; color-coded reference scale simplifies setting, resetting, adjusting and quick return to a previous speed setting
- maximum operating pressure: **5000 PSI at 70°F (21°C)** for 1/8" - 3/4", **3000 PSI at 70°F (21°C)** for 1" - 1 1/4"

Female NPTF	Steel Part #
1/8"	SN200
1/4"	SN400
3/8"	SN600
1/2"	SN800
3/4"	SN1200
1"	SN1600
1 1/4"	SN2000



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Brass Series N

Features:

- for use as speed control on hydraulic and pneumatic systems where a reverse flow check valve is not needed
- provides excellent control and reliable shutoff in a very small envelope
- color coded scale simplifies setting, resetting, adjusting and quick return to a previous speed setting
- maximum operating pressure: **2000 PSI at ambient temperature 70°F (21°C)** for sizes 1/8" - 3/4", **500 PSI at ambient temperature 70°F (21°C)** for 1"

Female NPTF	Brass Part #
1/8"	BN200
1/4"	BN400
3/8"	BN600
1/2"	BN800
3/4"	BN1200
1"	BN1600



Mini Needle Valves

Valves

Features:

- available in a variety of materials and handle options
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to 1×10^{-4} ml/s at 200 PSI
- $\frac{1}{8}$ " and $\frac{1}{4}$ " are orifice size: 0.172", flow coefficient: 0.42
- $\frac{1}{2}$ " orifice size are 0.187", flow coefficient: 0.44, hex body
- all stems are 316 stainless steel

Male to Female



NPT Size	Handle Style	PSI @ 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
$\frac{1}{8}$ " - 27	knurled knob	6000	MFB101	T design	10000	MFC101	MFS101
$\frac{1}{4}$ " - 18	knurled knob	6000	MFB102	T design	10000	MFC102	MFS102
$\frac{1}{2}$ " - 14	...	---	---	T design	10000	MFC404	MFS404

Female to Female



NPT Size	Handle Style	PSI at 200°F	Brass Part #	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
$\frac{1}{8}$ " - 27	knurled knob	6000	FFB101	T design	10000	FFC101	FFS101
$\frac{1}{4}$ " - 18	knurled knob	6000	FFB102	T design	10000	FFC102	FFS102
$\frac{1}{2}$ " - 14	...	---	---	T design	10000	FFC404	FFS404

Multiport Needle Valves

Features:

- reduces the number of gauge and other instrument connections to permanent piping installations, decreasing possible leak paths
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to 1×10^{-4} ml/s at 200 PSI
- $\frac{1}{2}$ " female NPT port
- orifice size is 0.187", flow coefficient: 0.44
- all stems are 316 stainless steel

Hard Seat Male to Female



NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
$\frac{1}{2}$ " - 14	T design	10000	MFC204	MFS204
$\frac{3}{4}$ " - 14	T design	10000	MFC20604	MFS20604

Soft Seat Male to Female



NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
$\frac{1}{2}$ " - 14	T design	6000	MFC304	MFS304
$\frac{3}{4}$ " - 14	T design	6000	MFC30604	MFS30604

Block and Bleed Needle Valves

Features:

- allows pressure to be bled off without disturbing the permanent piping installation allowing quick and easy removal or replacement of instruments
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to 1×10^{-4} ml/s at 200 PSI
- orifice size is 0.187", flow coefficient: 0.44
- all stems are 316 stainless steel
- 0.090" bleed hole located on bottom is controlled by a 1/4"-20 UNF-2A bleed screw

Hard Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	10000	MFC602	MFS602
1/2" - 14	T design	10000	MFC604	MFS604



Soft Seat Male to Female

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	6000	MFC702	MFS702
1/2" - 14	T design	6000	MFC704	MFS704



Bleed Needle Valves

Features:

- convenient way to relieve process pressures trapped between a shut-off valve and the instrument
- FKM O-ring seal and PTFE back-up ring below the threads protects from corrosion and galling
- stem threads are rolled for strength and ease of operation
- metal-to-metal hard seat design is 100% helium leak tested to 1×10^{-4} ml/s at 200 PSI
- non-rotating soft tip stem and a backup metal-to-metal seal
- all stems are 316 stainless steel
- 0.159" bleed port

Hard Seat Male

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	10000	MC802	MS802
1/2" - 14	T design	10000	MC804	MS804



316 stainless

Soft Tip Male

NPT Size	Handle Style	PSI at 200°F	Zinc Nickel Plated Steel Part #	316 Stainless Steel Part #
1/4" - 18	T design	6000	MC852	MS852
1/2" - 14	T design	6000	MC854	MS854



316 stainless

Valves

Button

Valves



Thread	Brass Part #
1/4" NPT female	BV2F
1/4" NPT male	BV2M

Tank Filler



TFV1S

TFV2

Applications:

- used on compressed air tanks and other applications

Feature:

- standard valve stem thread



TFV1L

TFV2HB

Connection	Length	Nickel Plated Part #	Length	Brass Part #
1/8" NPT	.85"	TFV1S	---	---
	1.24"	TFV1L	---	---
1/4" NPT	1"	TFV2	---	---
1/4" barb	---	---	1.57"	TFV2HB

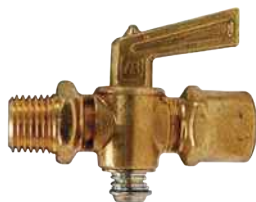
Brass Lever External Drains

Application:

- for air service only 

Feature:

- maximum operating pressure: **30 PSI** at ambient temperature **70°F (21°C)**



Female NPT	Male NPT	Brass Part #
1/4"	1/4"	LDC2



Male NPT	Male NPT	Brass Part #
1/4"	1/4"	LDCM2



Female NPT	Female NPT	Brass Part #
1/4"	1/4"	LDCF2

Brass External Drain Cocks

Applications:

- designed for low pressure water and air applications

Feature:

- maximum operating pressure: **150 PSI** at ambient temperature **70°F (21°C)**



NPT Size	Brass Part #
1/8"	D02
1/4"	D04

Needle Valves

Features:

- metal-to-metal seats allow positive sealing and flow adjustment
- designed for air and water applications
- maximum working pressure: **150 PSI** at ambient temperature **70°F (21°C)**

female x female

Female NPT	Female NPT	Brass Part #
1/8"	1/8"	NV2F
1/4"	1/4"	NV4F



Valves

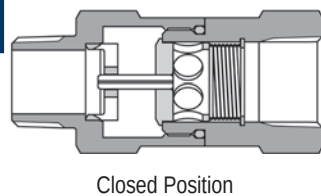
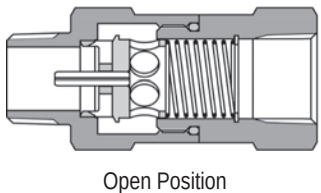
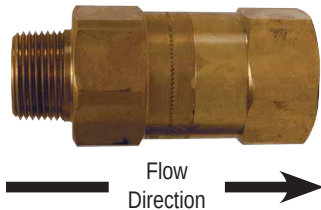
male x male

Male NPT	Male NPT	Brass Part #
1/4"	1/4"	NV4M



Safety Check Valves

Valves



Application:

- used in temporary plant/factory air lines, construction sites, shipyards or utilities
- not for use in applications where 100% of the available air is required, i.e. sand blast, pile driving rigs, expansion joint blow down pipes, etc.



Features:

- high flow valve provides optimum performance
- controls excess air flow (SCFM) in only one direction
- automatically senses change in air flow and shuts off the flow in the event of a surge in excess of valve flow rating thus preventing hose whip
- solid brass body and valve
- stainless steel spring and roll pin
- maximum operating pressure: **350 PSI**
- maximum temperature: **250°F (121°C)**
- does not prevent backflow

Specification:

- conforms to OSHA regulation 1926.302 (b) (7) requiring a safety device at the source of the air supply and at branch air lines

How It Works:

- Safety check valves utilize the pressure differential across the valve to operate the valve and spring assembly. The pressure differential is directly related to the flow of air (SCFM) through the valve.
- When the pressure differential is within the operating limits - below the cutoff flow - of the unit, the force on the valve exerted by the spring is greater than that caused by the pressure differential (see "Open Position" graphic above). The valve remains open and normal operation continues.
- When the pressure differential is above the cutoff limit, the force on the valve exerted by the pressure differential is greater than the force exerted by the spring, and the valve closes (see the "Closed Position" graphic above).
- After the repair is made, normal operation is automatically enabled when pressure across the valve equalizes through the bleeder hole.
- The valve spring size can be specified by determining the air flow during normal operation and by estimating the air flow if a failure or rupture occurs.

NPT & Hose ID Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass Part #	NPT & Hose ID Size	Cut-off Flow Rate (SCFM at 90 PSI)	Brass Part #
1/4"	23-29	SCVL2	1 1/4"	260-290	SCVL10
	30-36	SCVL3		300-340	SCVM10
3/8"	39-47	SCVM3		440-500	SCVS10
	52-65	SCVS3		570-630	SCVH10
1/2"	70-78	SCVM4	1 1/2"	300-360	SCVL12
	80-96	SCVS4		470-530	SCVM12
	72-88	SCVL6		564-602	SCVX12
	92-108	SCVM6		640-720	SCVS12
3/4"	112-128	SCVR6	2"	750-830	SCVH12
	132-148	SCVJ6		510-590	SCVL16
	160-180	SCVS6		725-825	SCVM16
	180-200	SCVH6		900-1050	SCVS16
1"	165-195	SCVL8	3"	1100-1200	SCVH16
	220-260	SCVM8		1200-1400	SCVL24
	280-320	SCVS8		2400-2700	SCVS24
	310-340	SCVH8		2850-3050	SCVH24

Safety Pop-Off Valves

Applications:

- for use on compressors and in compressed air service

Features:

- designed to protect un-fired pressure vessels from over-pressure
- ASME Code, National Board Certified
- CSA B51-03 certified
- maximum temperature: **400°F (204°C)**

Soft Seat

Feature:

- constructed of precision machined brass bar stock with a silicone disc sealing on the brass

Male NPT	Preset Pressure PSI	SCFM	Brass Part #
1/4"	100	51	KSV10-100
	125	62	KSV10-125
	150	73	KSV10-150
	175	84	KSV10-175



Standard

Features:

- brass valves are supplied with a stainless steel ball
- stainless valves are all stainless construction with a soft seat

Male NPT	Preset Pressure PSI	SCFM	Brass Part #	SCFM	Stainless Steel Part #
1/4"	30	35	SV30	35	SV30SS
	100	89	SV100	92	SV100SS
	125	109	SV125	112	SV125SS
	150	129	SV150	132	SV150SS
	175	149	SV175	153	SV175SS
	200	168	SV200	173	SV200SS



Heavy Duty, High Capacity

Feature:

- all brass construction with stainless steel ball on a precision machined brass seat

Male NPT	Preset Pressure PSI	SCFM	Brass Part #
1/2"	30	73	SV30HD¹
	100	208	SV100HD
	125	254	SV125HD
	150	300	SV150HD
	175	346	SV175HD
	200	391	SV200HD



¹ constructed with soft seat

Series C Check Valves

Valves



brass



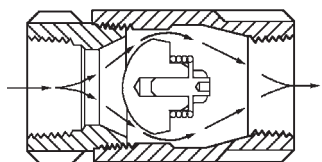
steel

Features:

- provides free flow in one direction and dependable shutoff in the opposite direction
- maximum operating pressure: **2000 PSI** at ambient temperature **70°F (21°C)**
- cracking pressure: **5 PSI**

Female NPT	Free Flow GPM	Maximum Operating PSI at 70°F (21°C)	Brass Part #	Maximum Operating PSI at 70°F (21°C)	Steel Part #
1/8"	3	2000	BCV200	5000	SCV200
1/4"	5	2000	BCV400	5000	SCV400
3/8"	8	2000	BCV600	5000	SCV600
1/2"	15	2000	BCV800	5000	SCV800

Domestic Ball Cone Check Valves



Pressure Ratings

Temperature	Pressure WOG (PSI)
-20°F to 100°F (-29°C to 38°C)	400
200°F (93°C)	200
250°F (121°C)	160
275°F (135°C)	150
300°F (149°C)	140
325°F (163°C)	130
353°F (178°C)	125

Application:

- For use with water, oil or inert gases. Not recommended for use on or near reciprocating pumps or other similar vibration causing machinery.

Features:

- tight shut-off with liquid media
- no radial alignment necessary
- straight through and streamlined for minimum change in velocity
- Reinforced PTFE check is spring loaded for fast seating action.
- pressure rating: **400 PSI** WOG, cold non-shock; **125 PSI** saturated steam
- cracking pressure: **.5 PSI**
- temperature range: **-20°F to 353°F (-29°C to 178°C)**

Ball Cone Check Valve Female NPT x Female NPT



Size	Brass Part #	316 Stainless Steel Part #
1/4"	61-101	62-101
3/8"	61-102	62-102
1/2"	61-103	62-103
3/4"	61-104	62-104
1"	61-105	62-105
1 1/4"	61-106	62-106
1 1/2"	61-107	62-107
2"	61-108	62-108
2 1/2"	61-109	---
3"	61-100	---

Ball Cone Check Valve Male NPT x Female NPT



Size	Brass Part #
1/4"	61-201
3/8"	61-202
1/2"	61-203
3/4"	61-204
1"	61-205
1 1/4"	61-206
1 1/2"	61-207
2"	61-208

800 PSI Stainless Steel Check Valves

Features:

- soft PTFE seat is spring loaded for fast seating action
- flow profile designed to minimize head loss
- temperature range: **10°F to 450°F (-12°C to 232°C)**
- pressure rating: **800 PSI WOG; 125 PSI saturated steam**
- cracking pressure: **.5 PSI**
- corrosion resistance, excellent for use on chemicals
- dual guided stem and disc

Female NPT	316 Stainless Steel Part #
1/4"	SSCVIL025
3/8"	SSCVIL038
1/2"	SSCVIL050
3/4"	SSCVIL075
1"	SSCVIL100
1 1/4"	SSCVIL125
1 1/2"	SSCVIL150
2"	SSCVIL200



Valves

Forged Steel Check Valves

Features:

- Class 800
- ASTM A105, ANSI B120.1
- bolted bonnet
- pressure rating: **1975 PSI**
- maximum temperature: **800°F (427°C)**
- can be used for steam service

Female NPT	Forged Steel Part #
1/2"	FSCV50
3/4"	FSCV75
1"	FSCV100
1 1/4"	FSCV125
1 1/2"	FSCV150
2"	FSCV200



Spring-Loaded Check Valves

Features:

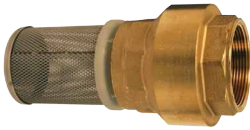
- cracking pressure: 0.50 PSI
- NBR seat
- soft seat for bubble tight shutoff, spring loaded for fast seating action
- flow profile designed to minimize head loss
- pressure rating: 1/2" - 2" **400 PSI WOG**; 3" - 4" **175 PSI WOG**
- temperature range: **10°F to 210°F (-10°C to 100°C)**

Female NPT	Brass Part #
1/2"	CV050
3/4"	CV075
1"	CV100
1 1/4"	CV125
1 1/2"	CV150
2"	CV200
3"	CV300
4"	CV400



Strainer with Spring-Loaded Check Valves

Valves



Features:

- brass with NBR seat and stainless steel strainer
- soft seat for bubble tight shutoff, spring loaded for fast seating action
- flow profile designed to minimize head loss
- temperature range: **10°F to 210°F (-10°C to 100°C)**
- cracking pressure: **0.50 PSI**
- pressure rating: 1½"-2" **400 PSI WOG**, 3"-4" **175 PSI WOG**

Female NPT	Brass Part #
1½"	BVFS20
2"	BVFS25
3"	BVFS35
4"	BVFS40

Horizontal Swing Check Valves

Applications:

- for use in plumbing and liquid piping systems to prevent back flow

Features:

- full flow performance with a minimum of turbulence or pressure loss
- brass disc
- for horizontal or vertical use
- A positive seating disc allows flow only in one direction and a screw-in cap provides easy access for periodic cleaning.
- pressure rating: **200 PSI WOG**
- temperature range: **-20° to 150°F (-29°C to 66°C)**



Female NPT	Brass Part #
½"	SWCV50
¾"	SWCV75
1"	SWCV100
1¼"	SWCV125
1½"	SWCV150
2"	SWCV200
3"	SWCV300
4"	SWCV400

Domestic Swing Check Valves

Features:

- Class 150
- ASME B1.20.1
- metal seat
- 100% factory tested
- working pressure: **300 PSI cold, 150 PSI steam**
- temperature range: **-20°F to 406°F (-29°C to 208°C)**



Female NPT	Brass Part #
½"	DSCV50
¾"	DSCV75
1"	DSCV100
1¼"	DSCV125
1½"	DSCV150
2"	DSCV200

Drum Plug Wrenches

Features:

- sparkproof, natural finish is safe around flammables
- offset handle design reduces user stress and minimizes knuckle injury

Bronze Part #	Aluminum Part #
DPW	ADPW



Valves

Drum Faucets

Polyethylene Drum Faucets

Features:

- Faucets are *not* to be used in applications where temperatures exceed **140°F (60°C)**.
- no wrench needed for screwing into drum opening
- 2" faucet is shipped with a gasket; the ¾" does not require a gasket

NPT Thread	Gold Polyethylene Part #
¾"	PEDF75
2"	PEDF200



Stainless Heavy Duty Adjustable Drum Faucets

Features:

- ¾" NPT connection
- adjustable shank is designed to easily adjust to proper drain position after installing in drum
- PTFE gasket
- FM approved for use with oils and non-flammables

Stainless Steel Part #
HDSSF75



Brass Heavy Duty Adjustable Drum Faucets

Features:

- ¾" NPT connection
- easy to use, self-closing design
- FM approved for use with oils and non-corrosive flammables

Brass Part #
AHDBF75



I

Brass Heavy Duty Drum Faucet with Rigid Shanks

Features:

- ¾" NPT connection
- easy to use, self-closing design
- PTFE gasket
- FM approved for use with oils and non-corrosive flammables

Brass Part #
HDBF75



Compression Bibb Faucets

Application:

- for water use only

Features:

- rough brass finish
- nozzle end is GHT

Male NPT Inlet	Brass Part #
½"	35-201-10
¾"	35-202-10



Drum Thread Adapters

Application:

- for use in gravity discharge from drums

Features:

- male NPSH thread with gasket on the drum side allows for a connection to drums with female NPSH thread
- male NPT end allows for a connection with the female NPT found on most ball valves



Size	Cast Brass Part #
2" x 2"	DMH20DR20

Valves

Drum Gate Valves

Application:

- ideal for drawing non-flammable liquids from drums and tanks

Features:

- iron body
- manually operated
- machined and lapped brass faceplate designed for oval discharge, ensures no splashing and a smooth operation
- black Japanned finish
- can be padlocked



Male NPT	Iron Part #
3/4"	D71
2"	D75

Features:

- lightweight, durable aluminum body provides improved corrosion resistance for certain fluids
- sturdy 2" handle is stamped metal with black enamel finish
- can be padlocked



Male NPT	Aluminum Part #
2"	D75AL

Self-Closing Gate Valves

Application:

- ideal for dispensing viscous liquids such as oil, grease, paint, varnish and syrups from drums and tanks

Features:

- gray iron body, brass sliding gate and machine lapped sealing surface
- gate closes automatically when handle is released, cleaning discharge surface
- can be padlocked



Male NPT	Iron Part #
3/4"	D71SC
2"	D75SC

Sanitary Tube Fittings 564 to 630

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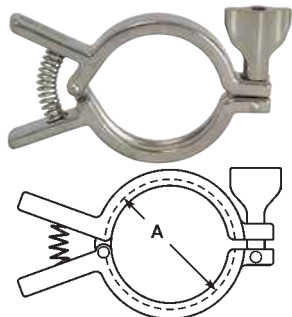


Clamps

Service pressure ratings are based on the following parameters: matching elastomer gaskets and weld ferrules properly aligned and assembled with the clamps tightened to the required torque (25 in. lbs.). Tests are done hydrostatically with no water hammer or shock loads. Please note the pressure ratings of the described unions are above the recommended pipe line operating pressures. 

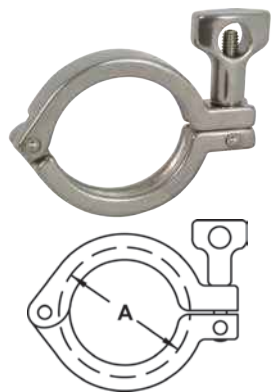
Dimensions are approximate. Engineering dimensions are available upon request. Specifications are subject to change without notice.

Sanitary Fittings

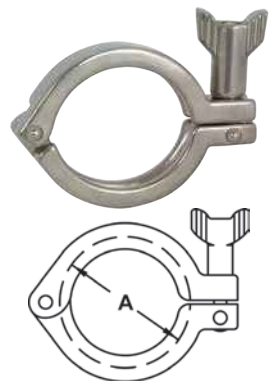


Single Pin Squeeze - 13MHHM-Q

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	Stainless Steel Part #
½" - ¾"	1500	1200	1.062"	13MHHM-Q75
1" - 1½"	500	300	2.122"	13MHHM-Q100150
2"	450	250	2.654"	13MHHM-Q200
2½"	400	200	3.185"	13MHHM-Q250
3"	350	175	3.717"	13MHHM-Q300
4"	300	150	4.820"	13MHHM-Q400

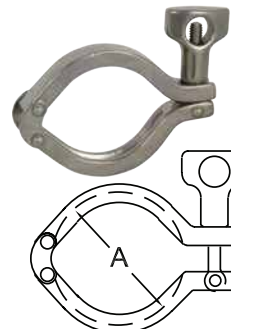
Single Pin Heavy Duty - 13MHHM
with cross hole wing nut

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	Stainless Steel Part #
½" - ¾"	1500	1200	1.062"	13MHHM50-75
1" - 1½"	500	300	2.122"	13MHHM100-150
2"	450	250	2.654"	13MHHM200
2½"	400	200	3.185"	13MHHM250
3"	350	175	3.717"	13MHHM300
4"	300	150	4.820"	13MHHM400
5"	225	100	5.820"	13MHHM500
6"	150	75	6.695"	13MHHM600
8"	100	50	8.695"	13MHHM800

Single Pin Heavy Duty - 13MHHM***SN
with serrated wing nut

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	Stainless Steel Part #
½" - ¾"	1500	1200	1.062"	13MHHM50-75SN
1" - 1½"	500	300	2.122"	13MHHM100-150SN
2"	450	250	2.654"	13MHHM200SN
2½"	400	200	3.185"	13MHHM250SN
3"	350	175	3.717"	13MHHM300SN
4"	300	150	4.820"	13MHHM400SN
5"	225	100	5.820"	13MHHM500SN
6"	150	75	6.695"	13MHHM600SN
8"	100	50	8.695"	13MHHM800SN

Double Pin Heavy Duty - 13MHHM-DP



Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	Stainless Steel Part #
1" - 1½"	500	300	2.122"	13MHHM-DP100150
2"	450	250	2.654"	13MHHM-DP200
2½"	400	200	3.185"	13MHHM-DP250
3"	350	175	3.717"	13MHHM-DP300
4"	300	150	4.820"	13MHHM-DP400
10"	100	50	10.740"	13MHHM-DP1000

¹ wing nut tightened to 25 in. lb. of torque

LIBERTY EXHIBIT 1012, Page 566

Clamps

Three Segment - 13MHHM-3P

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	Stainless Steel Part #
1" - 1½"	600	300	2.122"	13MHHM-3P100150
2"	550	275	2.654"	13MHHM-3P200
2½"	450	225	3.185"	13MHHM-3P250
3"	350	175	3.717"	13MHHM-3P300
4"	300	150	4.820"	13MHHM-3P400
12"	75	50	12.740"	13MHHM-3P1200

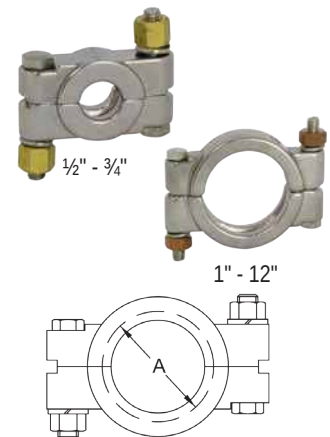
¹ wing nut tightened to 25 in. lb. of torque

Sanitary
Fittings

Bolted - 13MHP

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	Stainless Steel Part #
½" - ¾"	1500	1200	1.062"	13MHP75
1" - 1½"	1500	1200	2.046"	13MHP100-150
2"	1000	800	2.578"	13MHP200
2½"	1000	800	3.110"	13MHP250
3"	1000	800	3.640"	13MHP300
4"	800	600	4.744"	13MHP400
6"	300	200	6.632"	13MHP600
8"	250	150	8.638"	13MHP800
10"	200	125	10.740"	13MHP1000
12"	150	100	12.740"	13MHP1200

¹ all nuts are tightened to 20 ft. lbs. of torque



Toggle - 13MHLA

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	304 Stainless Steel Part #
1" - 1½"	150	125	2.122"	13MHLA100-150
2"	150	125	2.654"	13MHLA200
2½"	150	125	3.185"	13MHLA250
3"	150	125	3.717"	13MHLA300
4"	100	75	4.820"	13MHLA400

¹ screw tightened to maximum



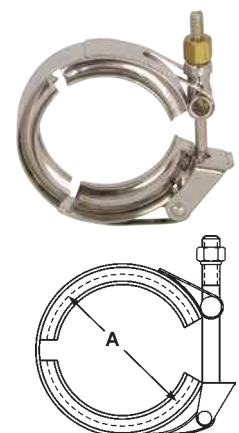
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T-bolt - 13MO

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	304 Stainless Steel Part #
1" - 1½"	500	250	2.080"	13MO100-150
2"	350	200	2.610"	13MO200
2½"	300	150	3.140"	13MO250
3"	200	100	3.670"	13MO300
4"	100	75	4.780"	13MO400
6"	75	50	6.690"	13MO600
8" ²	50	40	8.690"	13MO800
10" ²	40	30	10.690"	13MO1000
12" ²	30	25	12.690"	13MO1200

¹ 1" - 3" nuts tightened to 20 in. lb., 4" nut tightened to 30 in. lb., 6" nut tightened to 40 in. lb. and 8" - 12" nuts tightened to 50 in. lb. of torque

² 2 bolt configuration



Clamps

Dairy - 13WGC

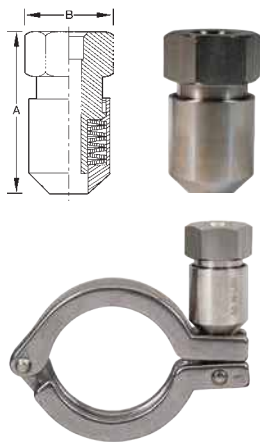


Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	304 Stainless Steel Part #
1" - 1½"	100	75	2.08"	13WGC100-150
2"	100	75	2.61"	13WGC200
2½"	100	75	3.14"	13WGC250
3"	100	75	3.67"	13WGC300
4"	100	75	4.78"	13WGC400

¹ finger tight

Accessories

Spring Loaded Nut - 13SLN



Features:

- Lines using PTFE gaskets that are subject to large temperature swings can benefit from this special product. As the PTFE is compressed through the cycling of the lines, the spring loaded will help keep the connection from leaking.
- If the lines suffer from vibration and bolted clamps are not an option, refitting single pin clamps with this nut will keep the connections from leaking for a longer time than the standard wing nuts.
- If you transport material in tanks via truck, the vibrations can loosen the standard single pin clamps - spring loaded nuts can add a level of insurance to the shipment.
- note: can be used on all wing nut style clamps.
- torque to 50 in. lb.

Thread	Dimension A	Dimension B	304 Stainless Steel Part #
5/16" - 18	1.73"	.875"	13SLN

Nuts and Bolts



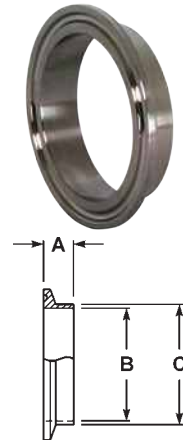
Description	Part Number
cross hole wing nut 5/16"-18	13WNX
mini cross hole wing nut 5/16"-18 for ½" - ¾" clamps	13WNXM
serrated wing nut 5/16"-18	13WNS
hex wing nut 5/16"-18	13WNH
bronze hex nut ¾"-16 for bolted clamps	13BN
brass 3/8-16 nuts used on ½" - ¾" and 10" & 12" bolted clamps	13BNH
stainless steel hex nut for bolted clamps	13SN
¾" 304 stainless steel lock washer	13LW
bolt ¾"-16 x 2¼" for ½" - 1½" bolted clamps	13CB-2.25
bolt ¾"-16 x 2¾" for 2" and 2½" bolted clamps	13CB-2.75
bolt ¾"-16 x 3¼" for 3" - 12" bolted clamps	13CB-3.25
rivet pin for ½" - 5" single pin clamps 5/16" x 1"	13RP
rivet pin for 6" and 8" single pin clamps 5/16" x 1½"	13RP6
5/16"-18 x 2" threaded eye bolt for ½" - 5" clamps	13IB
5/16"-18 x 2½" threaded eye bolt for 6" - 12" clamps	13IB6

Clamp Fittings - Ferrules

Short Weld - 14WMP



Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
½"	.500"	.370"	.500"	14WMP-G50	14WMP-R50
¾"	.500"	.620"	.750"	14WMP-G75	14WMP-R75
1"	.500"	.870"	1.000"	14WMP-G100	14WMP-R100
1½"	.500"	1.370"	1.500"	14WMP-G150	14WMP-R150
2"	.500"	1.870"	2.000"	14WMP-G200	14WMP-R200
2½"	.500"	2.370"	2.500"	14WMP-G250	14WMP-R250
3"	.500"	2.870"	3.000"	14WMP-G300	14WMP-R300
4"	.625"	3.834"	4.000"	14WMP-G400	14WMP-R400
5"	.750"	4.782"	5.000"	14WMP-G500	14WMP-R500
6"	.875"	5.782"	6.000"	14WMP-G600	14WMP-R600
8"	.875"	7.782"	8.000"	14WMP-G800	14WMP-R800
10"	.875"	9.760"	10.000"	14WMP-G1000	14WMP-R1000
12"	.875"	11.760"	12.000"	14WMP-G1200	14WMP-R1200

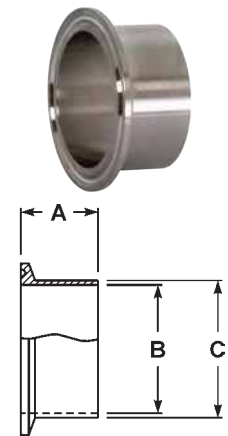


Sanitary Fittings

Long Weld - L14AM7



Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
½"	1.125"	.370"	.500"	L14AM7-G50	L14AM7-R50
¾"	1.125"	.620"	.750"	L14AM7-G75	L14AM7-R75
1"	1.125"	.870"	1.000"	L14AM7-G100	L14AM7-R100
1½"	1.125"	1.370"	1.500"	L14AM7-G150	L14AM7-R150
2"	1.125"	1.870"	2.000"	L14AM7-G200	L14AM7-R200
2½"	1.125"	2.370"	2.500"	L14AM7-G250	L14AM7-R250
3"	1.125"	2.870"	3.000"	L14AM7-G300	L14AM7-R300
4"	1.125"	3.834"	4.000"	L14AM7-G400	L14AM7-R400
5"	1.125"	4.782"	5.000"	L14AM7-G500	L14AM7-R500
6"	1.500"	5.782"	6.000"	L14AM7-G600	L14AM7-R600
8"	1.500"	7.782"	8.000"	L14AM7-G800	L14AM7-R800
10"	1.750"	9.760"	10.000"	L14AM7-G1000	L14AM7-R1000
12"	1.750"	11.760"	12.000"	L14AM7-G1200	L14AM7-R1200



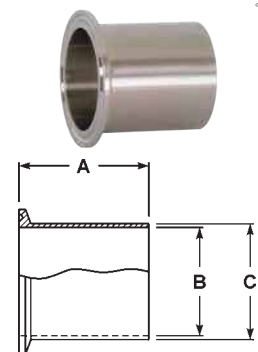
Specification:

- meets ASME BPE-2012 specifications

Automatic Weld - TL14AM7



Tube OD	Dimensions			316L Stainless Steel Part #
	A	B	C	
½"	1.750"	.370"	.500"	TL14AM7-050PL
¾"	1.750"	.620"	.750"	TL14AM7-075PL
1"	1.750"	.870"	1.000"	TL14AM7-100PL
1½"	1.750"	1.370"	1.500"	TL14AM7-150PL
2"	2.250"	1.870"	2.000"	TL14AM7-200PL
3"	2.250"	2.870"	3.000"	TL14AM7-300PL
4"	2.250"	3.834"	4.000"	TL14AM7-400PL

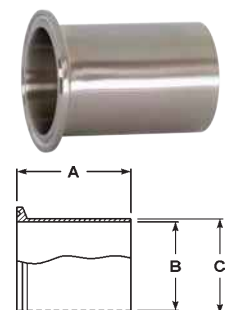


J

Tank (light duty) - 14WLMP

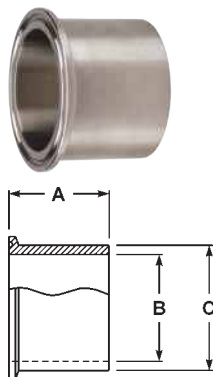


Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
1"	3.000"	.870"	1.000"	14WLMP-G100	14WLMP-R100
1½"	3.000"	1.370"	1.500"	14WLMP-G150	14WLMP-R150
2"	3.000"	1.870"	2.000"	14WLMP-G200	14WLMP-R200
2½"	3.000"	2.370"	2.500"	14WLMP-G250	14WLMP-R250
3"	4.000"	2.870"	3.000"	14WLMP-G300	14WLMP-R300
4"	4.000"	3.834"	4.000"	14WLMP-G400	14WLMP-R400
6"	6.000"	5.782"	6.000"	14WLMP-G600	14WLMP-R600



LIBERTY EXHIBIT 1012, Page 569

Clamp Fittings - Ferrules

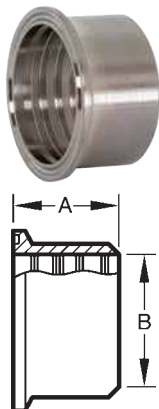
Sanitary
Fittings

Tank (heavy duty) - 14MPW

Specification:

- certified ASME materials

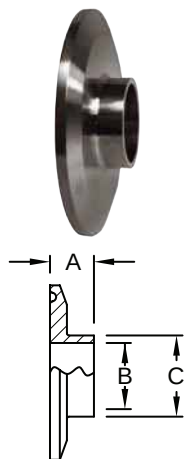
Tube OD	Dimensions			316L Stainless Steel Part #
	A	B	C	
½"	1.625"	.321"	.502"	14MPW-R50
¾"	1.625"	.574"	.750"	14MPW-R75
1"	1.625"	.870"	1.160"	14MPW-R100
1½"	1.625"	1.370"	1.676"	14MPW-R150
2"	1.750"	1.870"	2.192"	14MPW-R200
2½"	1.750"	2.370"	2.708"	14MPW-R250
3"	1.813"	2.870"	3.224"	14MPW-R300
4"	2.125"	3.834"	4.256"	14MPW-R400
6"	2.500"	5.758"	6.192"	14MPW-R600



Roll-on for Expanding - 14RMP

Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
1"	.750"	1.005"	14RMP-G100	14RMP-R100
1½"	1.125"	1.505"	14RMP-G150	14RMP-R150
2"	1.312"	2.005"	14RMP-G200	14RMP-R200
2½"	1.375"	2.505"	14RMP-G250	14RMP-R250
3"	1.437"	3.005"	14RMP-G300	14RMP-R300
4"	1.500"	4.005"	14RMP-G400	14RMP-R400

¹ Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.



Reducing - B31WMP

Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
2" x 1"	.500"	.870"	1.000"	B31WMP-G200100	B31WMP-R200100
2½" x 1½"	.500"	1.370"	1.500"	B31WMP-G250150	B31WMP-R250150
2½" x 2"	.500"	1.870"	2.000"	B31WMP-G250200	B31WMP-R250200
3" x 2"	.500"	1.870"	2.000"	B31WMP-G300200	B31WMP-R300200
4" x 3"	.625"	2.870"	3.000"	B31WMP-G400300	B31WMP-R400300

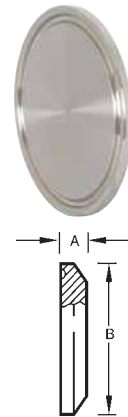
Clamp Fittings - Caps

Solid End - 16AMP



- Specify if you are using a piping system or a tubing system when ordering.

Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
½" - ¾"	.187"	.992"	16AMP-G50-75	16AMP-R50-75
1" - 1½"	.250"	1.984"	16AMP-G100-150	16AMP-R100-150
2"	.250"	2.516"	16AMP-G200	16AMP-R200
2½"	.250"	3.047"	16AMP-G250	16AMP-R250
3"	.250"	3.579"	16AMP-G300	16AMP-R300
4"	.312"	4.682"	16AMP-G400	16AMP-R400
5"	.376"	5.687"	16AMP-G500	16AMP-R500
6"	.437"	6.570"	16AMP-G600	16AMP-R600
8"	.437"	8.570"	16AMP-G800	16AMP-R800
10"	.437"	10.570"	16AMP-G1000	16AMP-R1000
12"	.437"	12.750"	16AMP-G1200	16AMP-R1200

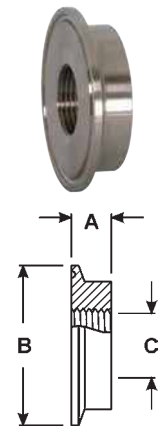


Sanitary Fittings

Thermometer - B23BMP

Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C ¹		
½"	.500"	.992"	¼" NPT	---	B23BMP-R5014
¾"	.500"	.992"	¼" NPT	---	B23BMP-R7514
1"	.625"	1.984"	½" NPT	B23BMP-G100	B23BMP-R100
1½"	.625"	1.984"	¾" NPT	B23BMP-G150	B23BMP-R150
2"	.625"	2.516"	¾" NPT	B23BMP-G200	B23BMP-R200
2½"	.625"	3.047"	¾" NPT	B23BMP-G250	B23BMP-R250
3"	.625"	3.579"	¾" NPT	B23BMP-G300	B23BMP-R300
4"	.625"	4.682"	¾" NPT	B23BMP-G400	B23BMP-R400

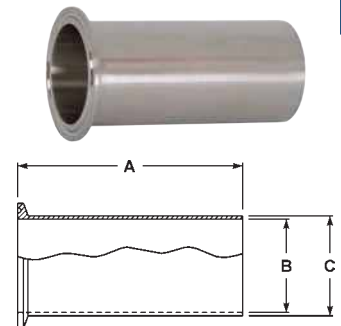
¹ other NPT tap sizes available, contact Dixon®



Clamp Fittings - Adapters

Tygon® Hose - 14MPHT

Tube OD	Dimensions			316L Stainless Steel Part #
	A	B	C	
¾"	4.000"	.620"	.750"	14MPHT-R75
1"	4.500"	.870"	1.000"	14MPHT-R100
1½"	4.500"	1.370"	1.500"	14MPHT-R150
2"	4.500"	1.870"	2.000"	14MPHT-R200
2½"	4.500"	2.370"	2.500"	14MPHT-R250
3"	4.500"	2.870"	3.000"	14MPHT-R300
4"	4.625"	3.834"	4.000"	14MPHT-R400

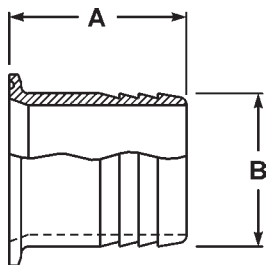


Clamp Fittings - Adapters

Rubber Hose - 14MPHR

Tube OD	Hose Size	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
		A	B		
1/2"	1/4"	1.500"	.290"	---	14MPHR-R5025
	1/2"	1.500"	.540"	---	14MPHR-R50
	3/4"	1.500"	.790"	---	14MPHR-R5075
3/4"	1/4"	1.500"	.290"	---	14MPHR-R7525
	3/8"	1.500"	.415"	---	14MPHR-R75375
	1/2"	1.500"	.540"	---	14MPHR-R7550
	3/4"	1.500"	.790"	---	14MPHR-R75
1"	3/8"	1.500"	.415"	---	14MPHR-R100375
	1/2"	1.500"	.540"	---	14MPHR-R10050
	3/4"	1.688"	.790"	14MPHR-G10075	14MPHR-R10075
	1"	1.688"	1.040"	14MPHR-G100	14MPHR-R100
1 1/2"	1/2"	1.500"	.540"	14MPHR-G15050	14MPHR-R15050
	5/8"	1.500"	.665"	---	14MPHR-R150625
	3/4"	1.500"	.790"	14MPHR-G15075	14MPHR-R15075
	1"	1.687"	1.040"	14MPHR-G150100	14MPHR-R150100
	1 1/2"	1.687"	1.540"	14MPHR-G150	14MPHR-R150
2"	1 1/2"	2.312"	1.540"	14MPHR-G200150	14MPHR-R200150
	2"	2.312"	2.040"	14MPHR-G200	14MPHR-R200
2 1/2"	2 1/2"	2.344"	2.540"	14MPHR-G250	14MPHR-R250
3"	3"	3.094"	3.040"	14MPHR-G300	14MPHR-R300
4"	4"	3.406"	4.040"	14MPHR-G400	14MPHR-R400
6"	6"	3.406"	6.040"	14MPHR-G600	14MPHR-R600

Sanitary Fittings

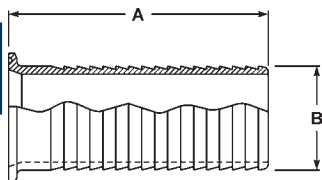


Brewery Hose Barb - 14MPHRL

Feature:

- suitable for use with band clamps

Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	3.500"	1.045"	14MPHRL100
1 1/2"	5.000"	1.545"	14MPHRL150
2"	5.000"	2.045"	14MPHRL200
2 1/2"	5.500"	2.545"	14MPHRL250
3"	5.500"	3.045"	14MPHRL300
4"	5.500"	4.045"	14MPHRL400



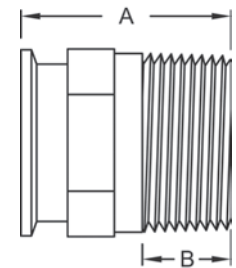
Use of PVC tubing requires special installation techniques to prevent leakage. All assembly work must be done with heated tube. Cold durometer is 90 as opposed to rubber hose at 65 to 70 durometer. Banding buckles must be at 180° from one another.



Clamp Fittings - Adapters

Male NPT - 21MP

Tube OD	NPT Size	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
		A	B		
½"	¼"	2.000"	.595"	---	21MP-R5025
	⅜"	2.000"	.600"	---	21MP-R50375
	½"	1.625"	.782"	---	21MP-R50
	¾"	2.000"	.794"	---	21MP-R5075
¾"	¼"	2.000"	.595"	---	21MP-R7525
	⅜"	2.000"	.600"	---	21MP-R75375
	½"	2.000"	.782"	---	21MP-R7550
	¾"	1.787"	.794"	---	21MP-R75
1"	½"	2.187"	.782"	21MP-G10050	21MP-R10050
	¾"	2.187"	.794"	21MP-G10075	21MP-R10075
	1"	2.250"	.985"	21MP-G100	21MP-R100
	1¼"	2.438"	1.009"	21MP-G100125	21MP-R100125
	1½"	2.438"	1.025"	21MP-G100150	21MP-R100150
	2"	2.625"	1.058"	21MP-G100200	21MP-R100200
1½"	⅜"	2.161"	.600"	21MP-G150375	21MP-R150375
	½"	2.187"	.782"	21MP-G15050	21MP-R15050
	¾"	2.187"	.794"	21MP-G15075	21MP-R15075
	1"	2.437"	.985"	21MP-G150100	21MP-R150100
	1¼"	2.438"	1.009"	21MP-G150125	21MP-R150125
	1½"	2.250"	1.025"	21MP-G150	21MP-R150
	2"	2.625"	1.058"	21MP-G150200	21MP-R150200
2"	½"	2.188"	.782"	21MP-G20050	21MP-R20050
	¾"	2.188"	.794"	21MP-G20075	21MP-R20075
	1"	2.469"	.985"	21MP-G200100	21MP-R200100
	1½"	2.625"	1.009"	21MP-G200150	21MP-R200150
	2"	2.638"	1.058"	21MP-G200	21MP-R200
2½"	½"	2.781"	.782"	21MP-G25050	---
	1"	2.781"	.782"	21MP-G250100	21MP-R250100
	1½"	2.781"	1.025"	21MP-G250150	21MP-R250150
	2"	2.781"	1.058"	21MP-G250200	21MP-R250200
	2½"	2.875"	1.571"	21MP-G250	21MP-R250
3"	1½"	3.000"	1.009"	21MP-G300150	21MP-R300150
	2"	3.000"	1.058"	21MP-G300200	21MP-R300200
	3"	3.070"	1.634"	21MP-G300	21MP-R300
4"	4"	3.155"	1.734"	21MP-G400	21MP-R400



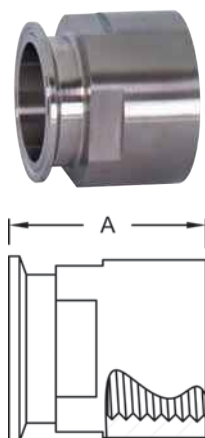
Clamp Fittings - Adapters

Female NPT - 22MP

Tube OD	NPT Size	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1/2"	1/4"	1.500"	---	22MP-R5025
	3/8"	1.500"	---	22MP-R50375
	1/2"	1.500"	---	22MP-R50
	3/4"	1.625"	---	22MP-R5075
3/4"	1/4"	1.500"	---	22MP-R7525
	1/2"	1.500"	---	22MP-R7550
	3/4"	1.625"	---	22MP-R75
1"	1/4"	1.625"	---	22MP-R10025
	1/2"	1.625"	22MP-G10050	22MP-R10050
	3/4"	1.625"	22MP-G10075	22MP-R10075
	1"	1.625"	22MP-G100	22MP-R100
	1 1/4"	1.625"	---	22MP-R100125
1 1/2"	1/2"	1.625"	22MP-G15050	22MP-R15050
	3/4"	1.625"	22MP-G15075	22MP-R15075
	1"	1.625"	22MP-G150100	22MP-R150100
	1 1/2"	2.250"	22MP-G150	22MP-R150
	2"	2.250"	22MP-G150200	22MP-R150200
2"	1"	1.687"	22MP-G200100	22MP-R200100
	1 1/2"	1.656"	22MP-G200150	22MP-R200150
	2"	2.344"	22MP-G200	22MP-R200
	2 1/2"	2.406"	22MP-G200250	---
2 1/2"	2"	1.720"	22MP-G250200	22MP-R250200
	2 1/2"	2.097"	22MP-G250	22MP-R250
3"	2"	2.187"	22MP-G300200	22MP-R300200
	2 1/2"	2.187"	22MP-G300250	---
	3"	2.187"	22MP-G300	22MP-R300
4"	4"	3.000"	22MP-G400	22MP-R400

Visit dixonvalve.com for pipe thread data

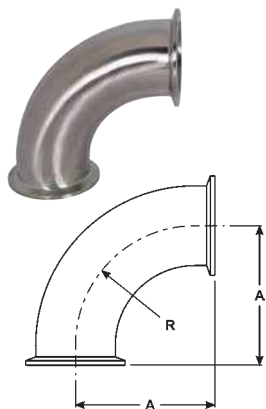
Sanitary Fittings



Clamp Fittings - Elbows

90° - B2CMP

Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	R		
1/2"	1.625"	1.125"	---	B2CMP-R50
3/4"	1.625"	1.125"	---	B2CMP-R75
1"	2.000"	1.500"	B2CMP-G100	B2CMP-R100
1 1/2"	2.750"	2.250"	B2CMP-G150	B2CMP-R150
2"	3.500"	3.000"	B2CMP-G200	B2CMP-R200
2 1/2"	4.250"	3.750"	B2CMP-G250	B2CMP-R250
3"	5.000"	4.500"	B2CMP-G300	B2CMP-R300
4"	6.625"	6.000"	B2CMP-G400	B2CMP-R400
6"	9.875"	9.000"	B2CMP-G600	B2CMP-R600

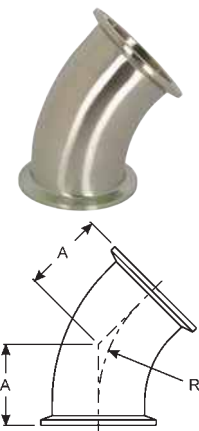


Clamp Fittings - Elbows



45° - B2KMP

Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	R		
1/2"	.97"	1.125"	---	B2KMP-R50
3/4"	.97"	1.125"	---	B2KMP-R75
1"	1.12"	1.500"	B2KMP-G100	B2KMP-R100
1 1/2"	1.43"	2.250"	B2KMP-G150	B2KMP-R150
2"	1.74"	3.000"	B2KMP-G200	B2KMP-R200
2 1/2"	2.05"	3.750"	B2KMP-G250	B2KMP-R250
3"	2.36"	4.500"	B2KMP-G300	B2KMP-R300
4"	3.11"	6.000"	B2KMP-G400	B2KMP-R400
6"	4.60"	9.000"	B2KMP-G600	B2KMP-R600

Sanitary
Fittings

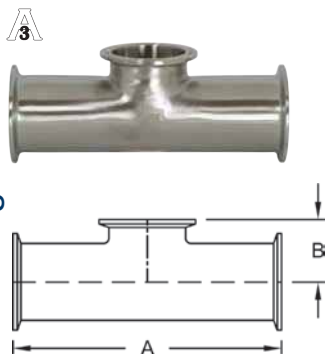
90° x Plain Bevel Seat with Hex Nut - B2FMP-14

Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
2"	3.750"	3.500"	B2FMP-14-G200
2 1/2"	4.625"	4.250"	B2FMP-14-G250
3"	5.406"	5.000"	B2FMP-14-G300



Clamp Fittings - Tees

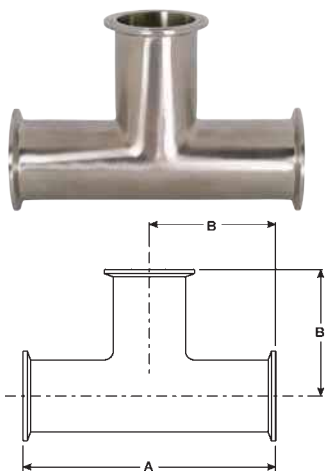
Short Outlet - B7MPS

Sanitary
Fittings

Tube OD	A	B	304 Stainless Steel Part Number	316L Stainless Steel Part Number
1½"	5.500"	1.375"	B7MPS-G150	B7MPS-R150
2"	7.000"	1.625"	B7MPS-G200	B7MPS-R200
2½"	7.000"	1.875"	B7MPS-G250	B7MPS-R250



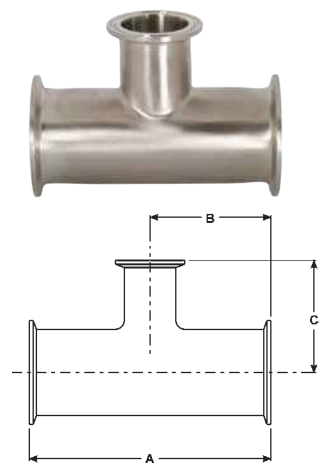
Clamp Tees - B7MP



Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
½"	4.750"	2.375"	---	B7MP-R50
¾"	5.000"	2.500"	---	B7MP-R75
1"	4.750"	2.375"	B7MP-G100	B7MP-R100
1½"	5.500"	2.750"	B7MP-G150	B7MP-R150
2"	7.000"	3.500"	B7MP-G200	B7MP-R200
2½"	7.000"	3.500"	B7MP-G250	B7MP-R250
3"	7.500"	3.750"	B7MP-G300	B7MP-R300
4"	9.000"	4.500"	B7MP-G400	B7MP-R400
6"	13.000"	6.500"	B7MP-G600	B7MP-R600
8"	15.750"	7.875"	B7MP-G800	B7MP-R800



Reducing - B7RMP



Tube OD	Dimensions			304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B	C		
1" x ¾"	5.250"	2.625"	2.625"	---	B7RMP-R10075
1½" x ½"	5.750"	2.875"	2.875"	---	B7RMP-R15050
1½" x 1"	4.312"	2.156"	1.875"	---	B7RMP-R150100
2" x ½"	6.750"	3.375"	3.125"	---	B7RMP-R20050
2" x ¾"	6.750"	3.375"	3.125"	---	B7RMP-R20075
2" x 1"	5.125"	2.562"	2.125"	B7RMP-G200100	B7RMP-R200100
2" x 1½"	5.125"	2.562"	2.406"	B7RMP-G200150	B7RMP-R200150
2½" x 1½"	5.688"	2.844"	2.656"	B7RMP-G250150	B7RMP-R250150
2½" x 2"	5.688"	2.844"	2.812"	B7RMP-G250200	B7RMP-R250200
3" x 1½"	6.188"	3.093"	2.906"	B7RMP-G300150	B7RMP-R300150
3" x 2"	6.188"	3.093"	3.063"	B7RMP-G300200	B7RMP-R300200
4" x 1½"	8.125"	4.063"	3.406"	B7RMP-G400150	---
4" x 2"	8.125"	4.063"	3.563"	B7RMP-G400200	---

Clamp Fittings - Reducers

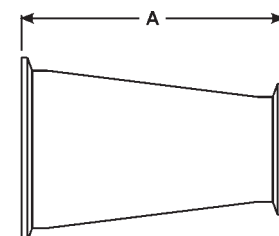


Concentric - B3114MP

Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1" x 1/2"	3.000"	---	B3114MP-R10050
1" x 3/4"	2.000"	---	B3114MP-R10075
1 1/2" x 1/2"	5.000"	---	B3114MP-R15050
1 1/2" x 3/4"	4.000"	---	B3114MP-R15075
1 1/2" x 1"	3.000"	B3114MP-G150100	B3114MP-R150100
2" x 3/4"	6.000"	---	B3114MP-R20075
2" x 1"	5.000"	B3114MP-G200100	B3114MP-R200100
2" x 1 1/2"	3.000"	B3114MP-G200150	B3114MP-R200150
2 1/2" x 1 1/2"	5.000"	B3114MP-G250150	B3114MP-R250150
2 1/2" x 2"	3.000"	B3114MP-G250200	B3114MP-R250200
3" x 1 1/2"	7.000"	B3114MP-G300150	B3114MP-R300150
3" x 2"	5.000"	B3114MP-G300200	B3114MP-R300200
3" x 2 1/2"	3.000"	B3114MP-G300250	B3114MP-R300250
4" x 1 1/2"	11.125"	B3114MP-G400150	B3114MP-R400150
4" x 2"	9.125"	B3114MP-G400200	B3114MP-R400200
4" x 2 1/2"	7.125"	B3114MP-G400250	B3114MP-R400250
4" x 3"	5.125"	B3114MP-G400300	B3114MP-R400300
6" x 4"	7.000"	B3114MP-G600400	---

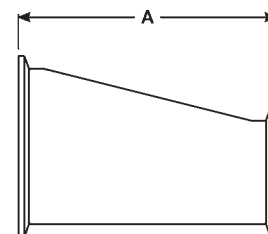


Sanitary Fittings



Eccentric - B3214MP

Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1 1/2" x 1"	3.000"	B3214MP-G150100	B3214MP-R150100
2" x 1"	5.000"	B3214MP-G200100	B3214MP-R200100
2" x 1 1/2"	3.000"	B3214MP-G200150	B3214MP-R200150
2 1/2" x 1 1/2"	5.000"	B3214MP-G250150	B3214MP-R250150
2 1/2" x 2"	3.000"	B3214MP-G250200	B3214MP-R250200
3" x 1 1/2"	7.000"	B3214MP-G300150	B3214MP-R300150
3" x 2"	5.000"	B3214MP-G300200	B3214MP-R300200
3" x 2 1/2"	3.000"	B3214MP-G300250	B3214MP-R300250
4" x 2"	9.125"	B3214MP-G400200	B3214MP-R400200
4" x 2 1/2"	7.125"	B3214MP-G400250	B3214MP-R400250
4" x 3"	5.125"	B3214MP-G400300	B3214MP-R400300
6" x 3"	6.875"	B3214MP-G600300	---
6" x 4"	7.000"	B3214MP-G600400	---



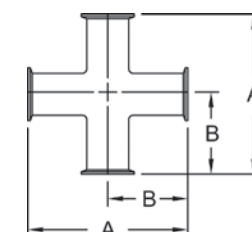
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Clamp Crosses



Clamp Crosses - B9MP

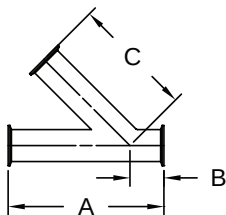
Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
1"	4.750"	2.375"	B9MP-G100	B9MP-R100
1 1/2"	5.500"	2.750"	B9MP-G150	B9MP-R150
2"	7.000"	3.500"	B9MP-G200	B9MP-R200
3"	7.500"	3.750"	B9MP-G300	B9MP-R300
4"	9.000"	4.500"	B9MP-G400	B9MP-R400



Miscellaneous Clamp Configurations

Sanitary Fittings

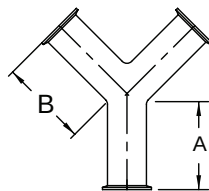
3



Laterals - B28AMP

Tube OD	Dimensions			316L Stainless Steel Part #
	A	B	C	
1"	7.000"	1.500"	5.500"	B28AMP-R100
1½"	8.375"	1.688"	6.688"	B28AMP-R150
2"	9.750"	2.125"	7.625"	B28AMP-R200
3"	11.750"	2.375"	9.375"	B28AMP-R300
4"	14.062"	2.640"	11.312"	B28AMP-R400

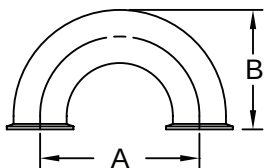
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True Wyes - B28BMP

Tube OD	Dimensions		316L Stainless Steel Part #
	A	B	
1"	2.500"	2.938"	B28BMP-R100
1½"	2.500"	2.938"	B28BMP-R150
2"	3.125"	3.750"	B28BMP-R200
3"	4.500"	5.375"	B28BMP-R300
4"	6.000"	6.000"	B28BMP-R400

3



180° Return Bends - B2WUMP

Feature:

- bends are the standard 1.5 x tube diameter

Tube OD	Dimensions		316L Stainless Steel Part #
	A	B	
1"	3.000"	2.500"	B2WUMP-R100
1½"	4.500"	3.500"	B2WUMP-R150
2"	6.000"	4.500"	B2WUMP-R200
3"	9.000"	6.500"	B2WUMP-R300
4"	12.000"	8.625"	B2WUMP-R400

Clamp End Protection Covers - BCC

Feature:

- Use these covers to protect all clamp ends on fittings, valves, filters and pumps.



Size	Vinyl Plastic Part #
½"	BCC-050
¾"	BCC-075
1"	BCC-100
1½"	BCC-150
2"	BCC-200
2½"	BCC-250
3"	BCC-300
4"	BCC-400
6"	BCC-600
8"	BCC-800

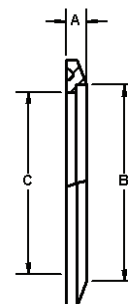


Quick Weld Ferrules

Features:

- 304 stainless construction
- just slip onto sanitary OD tube and weld
- no need to butt weld

Tube OD	Dimensions			304 Stainless Steel Part #
	A	B	C	
1"	.290"	1.005"	.870"	14QMP-G100
1½"	.199"	1.505"	1.370"	14QMP-G150
2"	.205"	2.005"	1.870"	14QMP-G200
2½"	.210"	2.505"	2.370"	14QMP-G250
3"	.216"	3.005"	2.870"	14QMP-G300
4"	.235"	4.005"	3.834"	14QMP-G400
6"	.321"	6.005"	5.782"	14QMP-G600

Sanitary
Fittings

Breakaway Coupling - Clamp

Application:

- minimizes spillage and damage associated with pull away and drive away incidents

Materials:

- 316 stainless steel polished to standard <32R_a, 3A finish
- clamp gasket: EPDM standard, optional material available

Features:

- designed to be installed between a fixed point and a hose
- 13kN break load bolts standard, other break loads available
- coupling breaks away with an excessive load
- other sizes/connection available

Specification:

- working pressure: **350 PSI @ 70°F (21°C)**



Size	316 Stainless Steel Part #
2"	SBC-E200CC13
3"	SBC-E300CC13

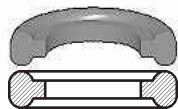
NEW

Clamp Gaskets

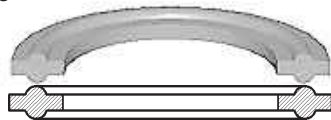
Feature:

- Gasket material approved by  (3A), USDA and complies with FDA's 21CFR177.2600 and 1550. PSI Service Ratings for the sanitary clamps DO NOT APPLY to connections (1" and above) using any PTFE gaskets, due to the potential for cold flow under normal operating conditions. PTFE gaskets, when used with any clamp, are likely to leak at pressures far below the published service ratings. This restriction does not apply to the fractionally sized 1/2" and 3/4" connections, due to their recessed, fully contained design.

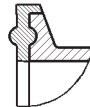
Sanitary Fittings



Mini



Standard - type 1



Flanged - type 2

Buna-N - Black

Features:

- color code: red dot
- meets 21CFR 177.2600

Size	Buna-N Part #
1/2"	42MP-U50
3/4"	42MP-U75
1"	40MP-U100
1 1/2"	40MP-U150
2"	40MP-U200
2 1/2"	40MP-U250
3"	40MP-U300
4"	40MP-U400
5"	40MP-U500
6"	40MP-U600
8"	40MP-U800

Type 1 - Standard
1/2" - 3/4"Type 1 - Standard
1" and larger**Buna-N - White**

Features:

- color code: red dot
- meets 21CFR 177.2600

Size	Buna-N Part #
1/2"	42MP-UW50
3/4"	42MP-UW75
1"	40MP-UW100
1 1/2"	40MP-UW150
2"	40MP-UW200
2 1/2"	40MP-UW250
3"	40MP-UW300
4"	40MP-UW400
6"	40MP-UW600

Type 1 - Standard
1/2" - 3/4"Type 1 - Standard
1" and larger**EPDM - Black**

Features:

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing

Size	EPDM Part #
1/2"	42MP-E50
3/4"	42MP-E75
1"	40MP-E100
1 1/2"	40MP-E150
2"	40MP-E200
2 1/2"	40MP-E250
3"	40MP-E300
4"	40MP-E400
6"	40MP-E600

Type 1 - Standard
1/2" - 3/4"Type 1 - Standard
1" and largerVisit dixonvalve.com for sizing charts

LIBERTY EXHIBIT 1012, Page 580



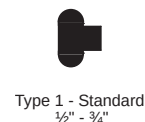
Clamp Gaskets

FKM - Black

Features:

- color code: one white dot, one yellow dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing

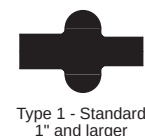
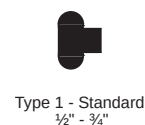
Size	FKM Part #
1/2"	42MP-SFY50
3/4"	42MP-SFY75
1"	40MP-SFY100
1 1/2"	40MP-SFY150
2"	40MP-SFY200
2 1/2"	40MP-SFY250
3"	40MP-SFY300
4"	40MP-SFY400
6"	40MP-SFY600

Sanitary
Fittings

Features:

- color code: pink dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing

Size	Silicone Part #
1/2"	42MP-XW50
3/4"	42MP-XW75
1"	40MP-XW100
1 1/2"	40MP-XW150
2"	40MP-XW200
2 1/2"	40MP-XW250
3"	40MP-XW300
4"	40MP-XW400
6"	40MP-XW600

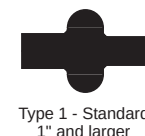


Silicone - White

Features:

- color code: no dot
- peroxide cured
- meets 21CFR 177.2600

Size	Silicone Part #
1/2"	42MP-XC50
3/4"	42MP-XC75
1"	40MP-XC100
1 1/2"	40MP-XC150
2"	40MP-XC200
2 1/2"	40MP-XC250
3"	40MP-XC300
4"	40MP-XC400



Silicone - Clear



Clamp Gaskets

PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

Size	PTFE Part #
1/2"	42MP-G50
3/4"	42MP-G75
1"	40MP-G100
1 1/2"	40MP-G150
2"	40MP-G200
2 1/2"	40MP-G250
3"	40MP-G300
4"	40MP-G400
5"	40MP-G500
6"	40MP-G600
8"	40MP-G800
10"	40MP-G1000
12"	40MP-G1200

PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



Type 1 - Standard
1/2" - 3/4"



Type 1 - Standard
1" and larger

Buna-N Flanged - Black

Features:

- color code: red dot
- meets 21CFR 177.2600
- not recommended for use with bolted clamps

Size	Buna-N Part #
1"	40MPF-U100
1 1/2"	40MPF-U150
2"	40MPF-U200
2 1/2"	40MPF-U250
3"	40MPF-U300
4"	40MPF-U400
6"	40MPF-U600
8"	40MPF-U800
10"	40MPF-U1000
12"	40MPF-U1200



Type 2 - Flanged
1" and larger

Buna-N Flanged - White

Features:

- color code: red dot
- meets 21CFR 177.2600
- not recommended for use with bolted clamps

Size	Buna-N Part #
1"	40MPF-UW100
1 1/2"	40MPF-UW150
2"	40MPF-UW200
2 1/2"	40MPF-UW250
3"	40MPF-UW300
4"	40MPF-UW400
6"	40MPF-UW600



Type 2 - Flanged
1" and larger



Clamp Gaskets

EPDM Flanged - Black

Features:

- color code: three green dots
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

Size	EPDM Part #
1"	40MPF-E100
1½"	40MPF-E150
2"	40MPF-E200
2½"	40MPF-E250
3"	40MPF-E300
4"	40MPF-E400
6"	40MPF-E600
8"	40MPF-E800
10"	40MPF-E1000
12"	40MPF-E1200

Type 2 - Flanged
1" and largerSanitary
Fittings

FKM Flanged - Black

Features:

- color code: one white dot, one yellow dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

Size	FKM Part #
1"	40MPF-SFY100
1½"	40MPF-SFY150
2"	40MPF-SFY200
2½"	40MPF-SFY250
3"	40MPF-SFY300
4"	40MPF-SFY400
6"	40MPF-SFY600
8"	40MPF-SFY800
10"	40MPF-SFY1000
12"	40MPF-SFY1200

Type 2 - Flanged
1" and larger

Silicone Flanged - White

Features:

- color code: pink dot
- peroxide cured
- meets 21CFR 177.2600
- passed USP Class VI Cytotoxicity testing
- not recommended for use with bolted clamps

Size	Silicone Part #
1"	40MPF-XW100
1½"	40MPF-XW150
2"	40MPF-XW200
2½"	40MPF-XW250
3"	40MPF-XW300
4"	40MPF-XW400
6"	40MPF-XW600
8"	40MPF-XW800
10"	40MPF-XW1000
12"	40MPF-XW1200

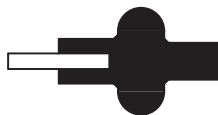
Type 2 - Flanged
1" and larger

Clamp Gaskets

Buna-N Mesh Screen, 316

Features:

- color code: red dot
- meets 21CFR 177.2600
- 10 mesh standard, other mesh available-call for details

Sanitary
Fittings

Type 3 - Mesh

Size	Buna-N Part #
1"	40MPS-U100
1½"	40MPS-U150
2"	40MPS-U200
2½"	40MPS-U250
3"	40MPS-U300
4"	40MPS-U400

PTFE Envelope with EPDM Filler

Features:

- color code: usually not marked
- peroxide cured EPDM
- meets 21CFR 177.1550
- PTFE passed USP Class VI Cytotoxicity testing



Size	PTFE with EPDM Filler Part #
½"	42MP-GRE50
1"	40MP-GRE100
1½"	40MP-GRE150
2"	40MP-GRE200
2½"	40MP-GRE250
3"	40MP-GRE300
4"	40MP-GRE400
6"	40MP-GRE600

PTFE Envelope with FKM Filler

Features:

- color code: usually not marked
- peroxide cured FKM
- meets 21CFR 177.1550
- PTFE passed USP Class VI Cytotoxicity testing



Size	PTFE with FKM Filler Part #
1"	40MP-GR100
1½"	40MP-GR150
2"	40MP-GR200
2½"	40MP-GR250
3"	40MP-GR300
4"	40MP-GR400
6"	40MP-GR600

PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



Metal Detectable Clamp Gaskets

Materials:

- Metal detectable gaskets are impregnated with stainless steel particles. The addition of stainless steel allows a gasket or gasket pieces to be found with metal detection equipment.

Buna-N

Features:

- good general use where temperature extremes do not exist
- minimum temperature: **-20°F (-29°C)**
- maximum temperature: **212°F (100°C)**

Size	Buna-N Part #
1"	40MP-UZ100
1½"	40MP-UZ150
2"	40MP-UZ200
2½"	40MP-UZ250
3"	40MP-UZ300
4"	40MP-UZ400

Type 1 - Standard
1" and larger

EPDM

Features:

- resistant to steam, water and base solutions
- minimum temperature: **-70°F (-57°C)**
- maximum temperature: **310°F (154°C)**

Size	EPDM Part #
1"	40MP-EZ100
1½"	40MP-EZ150
2"	40MP-EZ200
2½"	40MP-EZ250
3"	40MP-EZ300
4"	40MP-EZ400

Type 1 - Standard
1" and larger

FKM

Features:

- resistant to steam, heat and high acid solutions
- minimum temperature: **-20°F (-29°C)**
- maximum temperature: **410°F (410°C)**

Size	FKM Part #
1"	40MP-SFYZ100
1½"	40MP-SFYZ150
2"	40MP-SFYZ200
2½"	40MP-SFYZ250
3"	40MP-SFYZ300
4"	40MP-SFYZ400

Type 1 - Standard
1" and larger

Cam and Groove Transition Fittings ¹

Adapter x Clamp End

Sanitary
Fittings

Size	316 Stainless Steel Part #
1½"	RE150SE
2"	RE200SE
3"	RE300SE

Coupler x Clamp End



Size	316 Stainless Steel Part #
1½"	RC150SE
2"	RC200SE
3"	RC300SE

Dixon® Weld to Tube Cam and Groove ¹

Features:

- designed to be welded to standard sanitary tubing
- 316 stainless steel investment casting

Adapter x Weld to Tube End



Size	316 Stainless Steel Part #
1"	RE100BT
1½"	RE150BT
2"	RE200BT
3"	RE300BT

Boss-Lock™ Coupler x Weld to Tube End



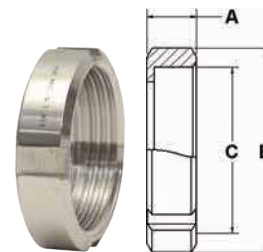
Size	316 Stainless Steel Part #
1"	RC100BT
1½"	RC150BT
2"	RC200BT
3"	RC300BT

¹ for all other cam and groove options see pages 121-162

European Fittings - DIN

DIN 11851 Round Nuts - 13R

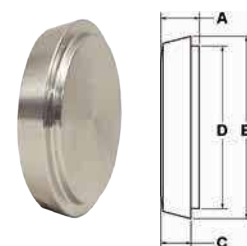
Nominal Size	A (mm)	B (mm)	C (mm)	304 Stainless Steel Part Number
1"	21.0	63.0	52 x 1/6	13R-G100DIN
1½"	21.0	78.0	65 x 1/6	13R-G150DIN
2"	22.0	92.0	78 x 1/6	13R-G200DIN
2½"	25.0	112.0	95 x 1/6	13R-G250DIN
3"	30.0	127.0	110 x 1/4	13R-G300DIN
4"	31.0	148.0	130 x 1/4	13R-G400DIN



Sanitary Fittings

DIN Blank Caps - 16AMP

Nominal Size	A (mm)	B (mm)	C (mm)	D (mm)	316 Stainless Steel Part Number
1"	13.0	44.0	9.9	35.0	16AMP-R100DIN
1½"	13.0	56.0	9.9	48.0	16AMP-R150DIN
2"	14.0	68.0	10.9	61.0	16AMP-R200DIN
2½"	16.0	86.0	11.9	79.0	16AMP-R250DIN
3"	16.0	100.0	11.9	93.0	16AMP-R300DIN
4"	20.1	120.0	15.0	114.0	16AMP-R400DIN



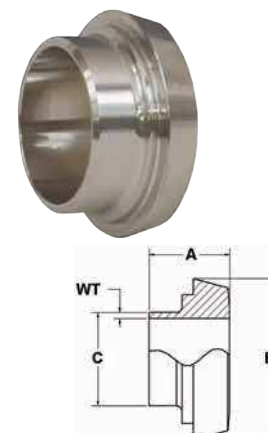
DIN Welding Males - 15A

Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.6	29.0	52 x 1/6	25.4	15A-R100DIN
1½"	1.6	33.0	65 x 1/6	38.1	15A-R150DIN
2"	1.7	35.0	78 x 1/6	51.0	15A-R200DIN
2½"	1.6	40.0	95 x 1/6	63.5	15A-R250DIN
3"	1.6	45.0	110 x 1/4	76.2	15A-R300DIN
4"	2.0	54.0	130 x 1/4	101.6	15A-R400DIN

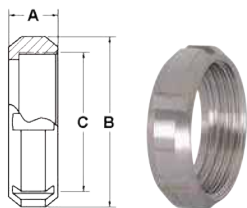


DIN Welding Liners - 14A

Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.6	22.0	44.0	25.4	14A-R100DIN
1½"	1.6	26.0	56.0	38.1	14A-R150DIN
2"	1.7	28.0	68.0	51.0	14A-R200DIN
2½"	1.6	32.0	86.0	63.5	14A-R250DIN
3"	1.6	37.0	100.0	76.2	14A-R300DIN
4"	2.0	44.0	121.0	101.6	14A-R400DIN



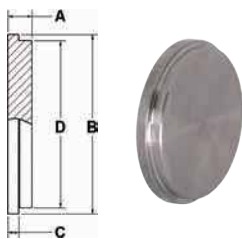
European Fittings - SMS

Sanitary
Fittings

Round Nuts - 13R

Nominal Size	A (mm)	B (mm)	C (mm)	304 Stainless Steel Part Number
1"	19.0	51.0	40 x 1/6	13R-G100SMS
1½"	23.0	74.0	60 x 1/6	13R-G150SMS
2"	24.0	84.0	70 x 1/6	13R-G200SMS
2½"	28.0	100.0	85 x 1/6	13R-G250SMS
3"	30.0	114.0	98 x 1/6	13R-G300SMS
4"	31.0	138.0	125 x 1/4	13R-G400SMS

Blank Caps - 16AMP



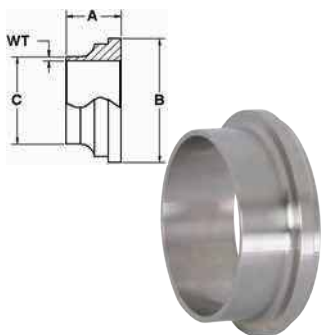
Nominal Size	A (mm)	B (mm)	C (mm)	D (mm)	316 Stainless Steel Part Number
1"	7.5	35.5	3.6	32.0	16AMP-R100SMS
1½"	8.0	55.0	4.1	47.9	16AMP-R150SMS
2"	9.0	65.0	4.1	60.4	16AMP-R200SMS
2½"	9.0	80.0	4.1	73.5	16AMP-R250SMS
3"	11.0	93.0	5.1	86.5	16AMP-R300SMS
4"	11.0	118.0	5.8	112.5	16AMP-R400SMS

Welding Males - 15A



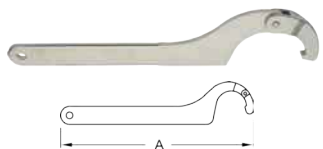
Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.25	19.0	40 x 1/6	25.0	15A-R100SMS
1½"	1.25	23.0	60 x 1/6	38.0	15A-R150SMS
2"	1.25	23.0	70 x 1/6	51.0	15A-R200SMS
2½"	1.50	27.0	85 x 1/6	63.5	15A-R250SMS
3"	1.60	27.0	98 x 1/6	76.1	15A-R300SMS
4"	2.00	30.0	125 x 1/4	101.6	15A-R400SMS

Welding Liners - 14A



Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.25	15.5	35.5	25.0	14A-R100SMS
1½"	1.25	16.0	55.0	38.0	14A-R150SMS
2"	1.25	17.0	65.0	51.0	14A-R200SMS
2½"	1.50	17.0	80.0	63.5	14A-R250SMS
3"	1.60	19.0	93.0	76.1	14A-R300SMS
4"	2.00	19.0	118.0	101.6	14A-R400SMS

DIN and SMS Spanner Wrenches - SP



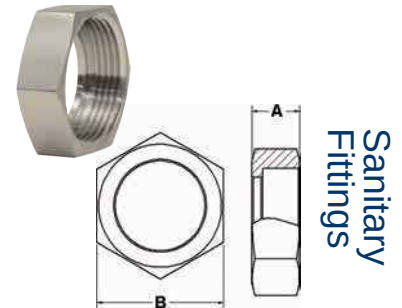
Used On Nominal Size	A (mm)	Nickel Plated Steel Part Number
1" - 1½"	247.7	DIN-SMS-60/90SP
2" - 4"	330.2	DIN-SMS90/155SP



European Fittings - RJT BS: 4825

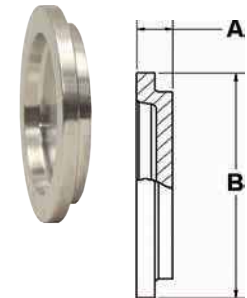
Hex Nuts - 13H

Nominal Size	A (mm)	B (mm)	304 Stainless Steel Part Number
1"	22.2	50.80	13H-G100RJT
1½"	22.2	65.02	13H-G150RJT
2"	22.2	79.25	13H-G200RJT
2½"	22.2	91.95	13H-G250RJT
3"	22.2	104.65	13H-G300RJT
4"	22.2	130.05	13H-G400RJT



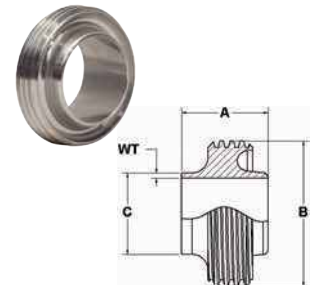
Blank Caps - 13RBN

Nominal Size	A (mm)	B (mm)	304 Stainless Steel Part Number
1"	8.2	41.3	13RBN-G100RJT
1½"	8.2	54.0	13RBN-G150RJT
2"	8.2	66.7	13RBN-G200RJT
2½"	8.2	79.4	13RBN-G250RJT
3"	8.2	92.1	13RBN-G300RJT
4"	8.2	117.5	13RBN-G400RJT



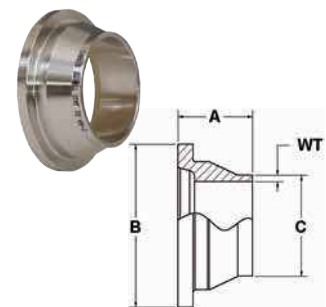
Welding Males - 15A

Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.73	27.0	45.72 x 1/8	25.65	15A-R100RJT
1½"	1.73	27.0	58.42 x 1/8	38.35	15A-R150RJT
2"	1.73	27.0	72.72 x 1/6	51.05	15A-R200RJT
2½"	1.73	27.0	85.42 x 1/6	63.75	15A-R250RJT
3"	1.73	27.0	98.12 x 1/6	76.45	15A-R300RJT
4"	2.13	27.0	123.52 x 1/6	101.85	15A-R400RJT



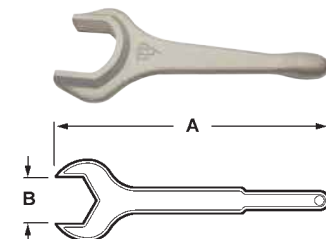
Welding Liners - 14A

Nominal Size	WT (mm)	A (mm)	B (mm)	C (mm)	316 Stainless Steel Part Number
1"	1.73	19.5	41.3	25.65	14A-R100RJT
1½"	1.73	19.5	54.0	38.35	14A-R150RJT
2"	1.73	19.5	66.7	51.05	14A-R200RJT
2½"	1.73	19.5	79.4	63.75	14A-R250RJT
3"	1.73	19.5	92.1	76.45	14A-R300RJT
4"	2.13	19.5	117.5	101.85	14A-R400RJT



Spanner Wrenches - SP

Size	A (mm)	B (mm)	Aluminum Part Number
1"	254.00	50.80	RJT-100SP
1½"	292.10	65.02	RJT-150SP
2"	304.80	79.25	RJT-200SP
2½"	342.80	91.95	RJT-250SP
3"	368.30	104.65	RJT-300SP
4"	444.50	130.05	RJT-400SP



European Fittings - Gaskets

DIN Buna-N - Black

Feature:

- color code: red dot

Approval:

- meets 21CFR 177.2600

Nominal Size	ID (mm)	OD (mm)	DIN 11851 Part Number
1"	29.97	39.88	40MP-U100DIN
1½"	41.91	52.07	40MP-U150DIN
2"	54.10	64.01	40MP-U200DIN
2½"	71.12	81.03	40MP-U250DIN
3"	85.09	95.00	40MP-U300DIN
4"	103.89	114.05	40MP-U400DIN

SMS Buna-N - Black

Feature:

- color code: red dot

Approval:

- meets 21CFR 177.2600

Nominal Size	ID (mm)	OD (mm)	L Style Part Number
1"	24.89	32.00	40MP-U100SMS
1½"	37.49	48.00	40MP-U150SMS
2"	50.80	61.00	40MP-U200SMS
2½"	63.50	73.40	40MP-U250SMS
3"	75.95	86.10	40MP-U300SMS
4"	103.89	114.00	40MP-U400SMS

RJT Buna-N - Black

Feature:

- color code: red dot

Approval:

- meets 21CFR 177.2600

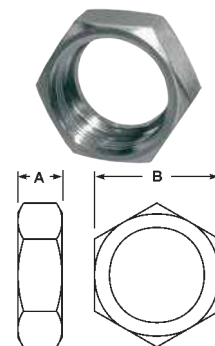
Nominal Size	ID (mm)	OD (mm)	Part Number
1"	26.92	6.35	40MP-U100RJT
1½"	39.62	6.35	40MP-U150RJT
2"	52.32	6.35	40MP-U200RJT
2½"	65.08	6.35	40MP-U250RJT
3"	77.72	6.35	40MP-U300RJT
4"	103.12	6.35	40MP-U400RJT

Bevel Seat Nuts - 13H

Feature:

- maximum operating pressure: **400 PSI**

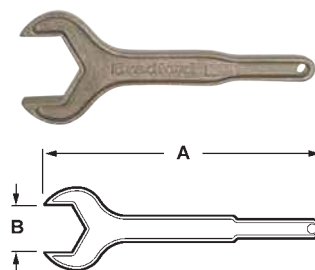
Tube OD	Dimensions		304 Stainless Steel (CF8) Part #
	A	B	
1"	.906"	1.812"	13H-G100
1½"	.968"	2.406"	13H-G150
2"	1.062"	3.000"	13H-G200
2½"	1.187"	3.594"	13H-G250
3"	1.281"	4.188"	13H-G300
4"	1.500"	5.438"	13H-G400

Sanitary
Fittings

Bevel Seat Wrenches

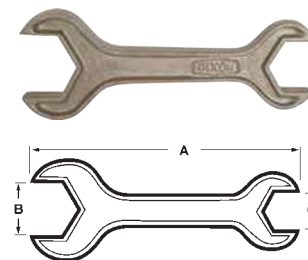
Single Sided Hex - 25H

Tube OD	Dimensions		Aluminum Part #
	A	B	
1"	10.500"	1.812"	25H-100
1½"	12.000"	2.406"	25H-150
2"	14.000"	3.000"	25H-200
2½"	16.250"	3.594"	25H-250
3"	18.500"	4.188"	25H-300
4"	19.500"	5.438"	25H-400



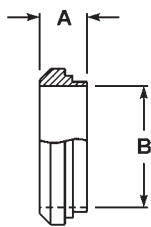
Two Sided Hex - 25H

Tube OD	Dimensions			Aluminum Part #
	A	B	C	
1½" x 1"	12.000"	2.406"	1.812"	25H-150100
2" x 1½"	14.000"	3.000"	2.406"	25H-200150
2½" x 2"	16.500"	3.594"	3.000"	25H-250200
3" x 2"	18.000"	4.188"	3.000"	25H-300200
3" x 2½"	18.000"	4.188"	3.594"	25H-300250



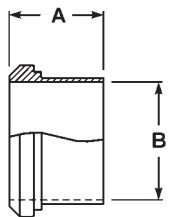
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Bevel Seat Ferrules

Sanitary
Fittings

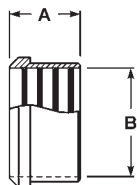
Short Plain Weld - 14PRF

Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	.718"	.870"	14PRF-G100
1½"	.718"	1.370"	14PRF-G150
2"	.750"	1.870"	14PRF-G200
2½"	.875"	2.370"	14PRF-G250
3"	.906"	2.870"	14PRF-G300
4"	1.031"	3.834"	14PRF-G400



Long Plain Weld - 14A

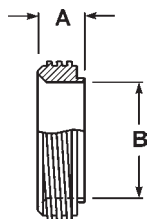
Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	1.375"	.870"	14A-G100
1½"	1.500"	1.370"	14A-G150
2"	1.500"	1.870"	14A-G200
2½"	1.750"	2.370"	14A-G250
3"	1.750"	2.870"	14A-G300
4"	1.750"	3.834"	14A-G400



Recessless Plain for Expanding - 14R

Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1½"	1.125"	1.505"	14R-G150
2"	1.312"	2.005"	14R-G200
2½"	1.375"	2.505"	14R-G250
3"	1.437"	3.005"	14R-G300
4"	1.500"	4.005"	14R-G400

¹ Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.



Short Threaded Weld - 15TRF

Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	.718"	.870"	15TRF-G100
1½"	.718"	1.370"	15TRF-G150
2"	.750"	1.870"	15TRF-G200
2½"	.875"	2.370"	15TRF-G250
3"	.906"	2.870"	15TRF-G300
4"	1.031"	3.834"	15TRF-G400

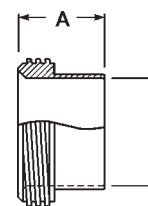


Bevel Seat Ferrules

Long Threaded Weld - 15A



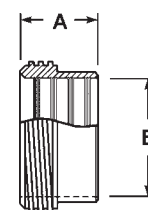
Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1"	1.375"	.870"	15A-G100
1½"	1.500"	1.370"	15A-G150
2"	1.500"	1.870"	15A-G200
2½"	1.750"	2.370"	15A-G250
3"	1.750"	2.870"	15A-G300
4"	1.750"	3.834"	15A-G400

Sanitary
Fittings

Recessless Threaded for Expanding - 15R



Tube OD	Dimensions		304 Stainless Steel Part #
	A	B	
1	.812"	1.005"	15R-G100
1½"	1.125"	1.505"	15R-G150
2"	1.375"	2.005"	15R-G200
2½"	1.500"	2.505"	15R-G250
3"	1.625"	3.005"	15R-G300
4"	1.675"	4.005"	15R-G400



¹ Meets 3-A Standard Number 63-03 when used to modify or repair existing on-site farm milk handling systems.

Bevel Seat End Caps

Plain Solid - 16A



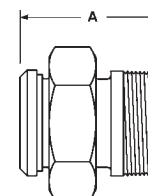
Tube OD	Dimension A	304 Stainless Steel Part #
1"	1.312"	16A-G100
1½"	1.843"	16A-G150
2"	2.375"	16A-G200
2½"	2.906"	16A-G250
3"	3.437"	16A-G300
4"	4.500"	16A-G400



Bevel Seat Adapters

Plain x Male NPT with Hex Nut - 14-19

Tube OD	Dimension A	304 Stainless Steel Part #
1½"	3.250"	14-19-G150
2"	3.312"	14-19-G200
3"	4.250"	14-19-G300



Bevel Seat Elbows

90° Threaded x Plain with Hex Nut - B2F

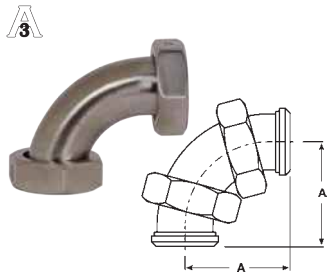
Tube OD	Dimension A	304 Stainless Steel Part #
1½"	2.968"	B2F-G150
2"	3.750"	B2F-G200
2½"	4.625"	B2F-G250
3"	5.406"	B2F-G300

Sanitary Fittings



90° Plain x Plain with Hex Nut - B2E

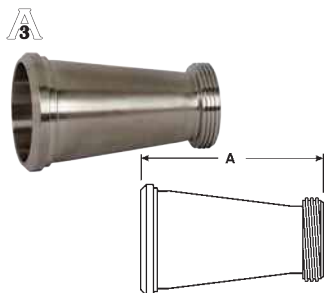
Tube OD	Dimension A	304 Stainless Steel Part #
1½"	2.968"	B2E-G150
2"	3.750"	B2E-G200
2½"	4.625"	B2E-G250
3"	5.406"	B2E-G300



Bevel Seat Reducers

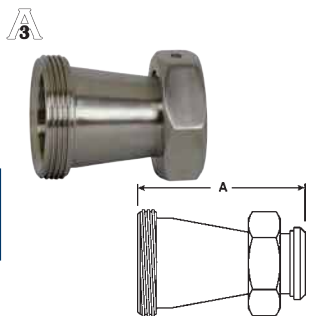
Plain x Threaded Concentric - B3115F

Tube OD	Dimension A	304 Stainless Steel Part #
2" x 1½"	3.468"	B3115F-G200150
2½" x 2"	3.625"	B3115F-G250200
3" x 2"	5.656"	B3115F-G300200
3" x 2½"	3.781"	B3115F-G300250
4" x 3"	5.937"	B3115F-G400300



Threaded x Plain with Hex Nut Concentric - B31TP

Tube OD	Dimension A	304 Stainless Steel Part #
2" x 1½"	3.468"	B31TP-G200150
2½" x 2"	3.625"	B31TP-G250200
3" x 2"	5.656"	B31TP-G300200
3" x 2½"	3.781"	B31TP-G300250
4" x 3"	5.937"	B31TP-G400300



Breakaway Coupling - Bevel Seat

Application:

- minimizes spillage and damage associated with pull away and drive away incidents

Materials:

- 316 stainless steel polished to standard <32R_a, 3A finish
- clamp gasket: EPDM standard, optional material available

Features:

- designed to be installed between a fixed point and a hose
- 13kN break load bolts standard, other break loads available
- coupling breaks away with an excessive load
- other sizes / connections available

Specification:

- working pressure: 350 PSI @ 70°F (21°C)



Size	316 Stainless Steel Part #
2"	SBC-E200TP13
3"	SBC-E300TP13

NEW

LIBERTY EXHIBIT 1012, Page 594

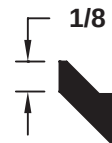
Bevel Seat Gaskets

Buna-N - Black

Features:

- color code: red dot
- meets 21CFR 177.2600

Size	Buna-N Part #
1"	40BS-O100
1½"	40BS-O150
2"	40BS-O200
2½"	40BS-O250
3"	40BS-O300
4"	40BS-O400

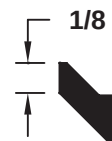
Sanitary
Fittings

PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing

Size	PTFE Part #
1"	40BS-S100
1½"	40BS-S150
2"	40BS-S200
2½"	40BS-S250
3"	40BS-S300
4"	40BS-S400

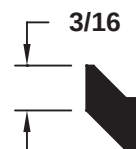


Heavy PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing

Size	PTFE Part #
1"	40BS-H100
1½"	40BS-H150
2"	40BS-H200
2½"	40BS-H250
3"	40BS-H300
4"	40BS-H400



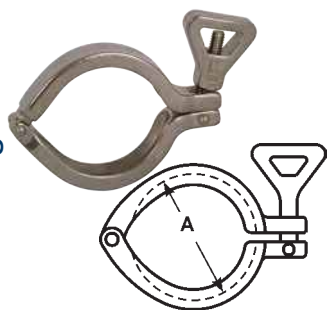
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PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



I-line / Q-line Clamps

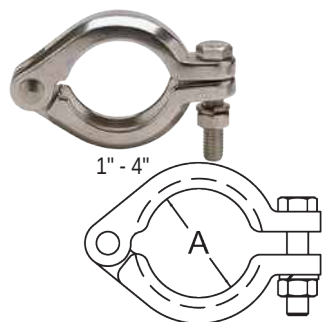
Heavy Duty - 13ILH

Sanitary
Fittings

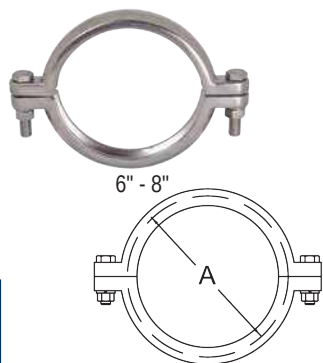
Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	304 Stainless Steel Part #
1" - 1½"	700	250	2.122"	13ILH100-150
2"	450	250	2.654"	13ILH200
2½"	450	200	3.185"	13ILH250
3"	350	150	3.717"	13ILH300
4"	200	125	4.820"	13ILH400
6"	150	100	7.689"	13ILH600
8"	125	75	9.689"	13ILH800

¹ wing nut tightened to 25 in. lbs. of torque

Bolted - 13ILB



Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	304 Stainless Steel Part #
1" - 1½"	1220	1100	2.122"	13ILB100-150
2"	900	830	2.654"	13ILB200
2½"	720	660	3.185"	13ILB250
3"	600	550	3.717"	13ILB300
4"	570	525	4.820"	13ILB400

¹ nut tightened to 20 ft. lbs. of torque

Tube OD	Service Pressure PSI Rating @ 70°F (21°C) ¹	Service Pressure PSI Rating @ 250°F (121°C) ¹	Dimension A	304 Stainless Steel Part #
6"	300	200	7.689"	13ILB600
8"	250	150	9.689"	13ILB800

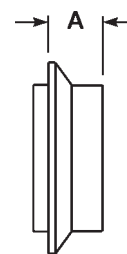
¹ nut tightened to 20 ft. lbs. of torque

I-Line - Ferrules

Male Short Weld - 14WI



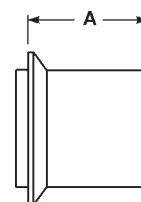
Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.600"	14WI-G100	14WI-R100
1½"	.765"	14WI-G150	14WI-R150
2"	.790"	14WI-G200	14WI-R200
2½"	.848"	14WI-G250	14WI-R250
3"	.906"	14WI-G300	14WI-R300
4"	1.031"	14WI-G400	14WI-R400
6"	.940"	---	14WI-R600
8"	.940"	---	14WI-R800

Sanitary
Fittings

Male Long Weld - 14WLI



Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.562"	14WLI-G100	14WLI-R100
1½"	1.843"	14WLI-G150	14WLI-R150
2"	2.062"	14WLI-G200	14WLI-R200
2½"	2.188"	14WLI-G250	14WLI-R250
3"	2.375"	14WLI-G300	14WLI-R300
4"	2.688"	14WLI-G400	14WLI-R400
6"	2.688"	---	14WLI-R600



Female Short Weld - 15WI



Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	.785"	15WI-G100	15WI-R100
1½"	.950"	15WI-G150	15WI-R150
2"	1.040"	15WI-G200	15WI-R200
2½"	1.160"	15WI-G250	15WI-R250
3"	1.220"	15WI-G300	15WI-R300
4"	1.350"	15WI-G400	15WI-R400
6"	1.125"	---	15WI-R600
8"	1.125"	---	15WI-R800

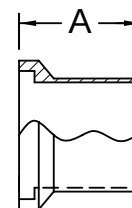


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Female Long Weld - 15WLI

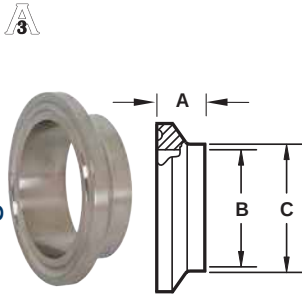


Tube OD	Dimension A	304 Stainless Steel Part #	316L Stainless Steel Part #
1"	1.750"	15WLI-G100	15WLI-R100
1½"	2.031"	15WLI-G150	15WLI-R150
2"	2.312"	15WLI-G200	15WLI-R200
2½"	2.500"	15WLI-G250	15WLI-R250
3"	2.688"	15WLI-G300	15WLI-R300
4"	3.000"	15WLI-G400	15WLI-R400
6"	3.000"	---	15WLI-R600



Q-Line - Ferrules

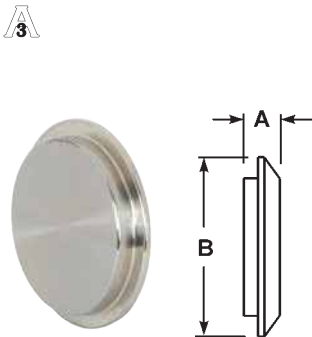
Weld - 14WQ

Sanitary
Fittings

Tube OD	Dimensions			304 Stainless Steel Part #
	A	B	C	
1"	.531"	.870"	1.000"	14WQ-G100
1½"	.563"	1.370"	1.500"	14WQ-G150
2"	.813"	1.870"	2.000"	14WQ-G200
2½"	.938"	2.370"	2.500"	14WQ-G250
3"	.938"	2.870"	3.000"	14WQ-G300
4"	1.000"	3.834"	4.000"	14WQ-G400

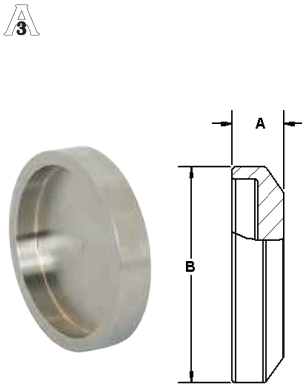
I-Line / Q-Line - End Caps

Male Solid - 16AI-14I



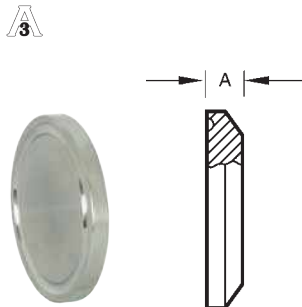
Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
1"	.500"	1.985"	16AI-14I100	16AI-14I100R
1½"	.500"	1.985"	16AI-14I150	16AI-14I150R
2"	.562"	2.640"	16AI-14I200	16AI-14I200R
2½"	.750"	3.307"	16AI-14I250	16AI-14I250R
3"	.750"	3.870"	16AI-14I300	16AI-14I300R
4"	.750"	4.870"	16AI-14I400	16AI-14I400R
6"	.750"	7.495"	---	16AI-14I600R
8"	.800"	9.495"	---	16AI-14I800R

Female Solid - 16AI-15I



Tube OD	Dimensions		304 Stainless Steel Part #	316L Stainless Steel Part #
	A	B		
1"	.500"	1.985"	16AI-15I100	16AI-15I100R
1½"	.500"	1.985"	16AI-15I150	16AI-15I150R
2"	.562"	2.640"	16AI-15I200	16AI-15I200R
2½"	.750"	3.307"	16AI-15I250	16AI-15I250R
3"	.750"	3.870"	16AI-15I300	16AI-15I300R
4"	.765"	4.870"	16AI-15I400	16AI-15I400R
6"	.869"	7.495"	---	16AI-15I600R
8"	.800"	9.495"	---	16AI-15I800R

Solid - 16AQ



Tube OD	Dimension A	304 Stainless Steel Part #
1"	.313"	16AQ-G100
1½"	.313"	16AQ-G150
2"	.438"	16AQ-G200
2½"	.500"	16AQ-G250
3"	.500"	16AQ-G300
4"	.625"	16AQ-G400



I-line Gaskets

3/32" Buna-N - Black

Features:

- color code: red dot
- meets 21CFR 177.2600

Size	Buna-N Part #
1"	40IH100
1½"	40IH150
2"	40IH200
2½"	40IH250
3"	40IH300
4"	40IH400
6"	40IH600
8"	40IH800

Sanitary
Fittings

1/16" PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP class VI cytotoxicity testing

Size	PTFE Part #
1"	40IT100
1½"	40IT150
2"	40IT200
2½"	40IT250
3"	40IT300
4"	40IT400
6"	40IT600
8"	40IT800



PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.



3/32" EPDM - White

Features:

- color code: three green dots
- meets 21CFR 177.2600
- passed USP class VI cytotoxicity testing
- peroxide cured

Size	EPDM Part #
1"	40IE100
1½"	40IE150
2"	40IE200
2½"	40IE250
3"	40IE300
4"	40IE400
6"	40IE600
8"	40IE800



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I-line Gaskets

1/16" FKM - Black

Features:

- color code: one white dot, one yellow dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing
- peroxide cured

Size	FKM Part #
1"	40IV100
1½"	40IV150
2"	40IV200
2½"	40IV250
3"	40IV300
4"	40IV400
6"	40IV600
8"	40IV800

Q-line Gaskets

Buna-N - Black

Features:

- color code: red dot
- meets 21CFR 177.2600



Size	Buna-N Part #
1"	40QH100
1½"	40QH150
2"	40QH200
2½"	40QH250
3"	40QH300
4"	40QH400

PTFE - White

Features:

- color code: no dot
- meets 21CFR 177.1550
- passed USP Class VI Cytotoxicity testing



Size	PTFE Part #
1"	40QT100
1½"	40QT150
2"	40QT200
2½"	40QT250
3"	40QT300
4"	40QT400

PTFE is a material subject to plastic flow. When cycled through heat and then cooled down in process lines, PTFE gaskets will not return to the original configuration and it will continue to compress as the cycling continues. This plastic flow will allow leakage if clamp torques are not maintained.

