Longer lasting,
Simple design.

STOPCOCK VALVES

2-Way 1/4-turn

Our 2-way PFA HP AstiPure® stopcock valves have been designed to meet the stringent requirements of chemicals used in the semiconductor process.

Sizes range from 1/4” to 1/2” and are offered in flare connections, making them ideal for quick installation.

1/4-turn manual actuator allows quick and easy operation from closed to open position and a straight through flow path.

Bi-directional pressure capability.

Available in 2 and 3 port connections and panel mount versions.

Customized products available upon request.

FEATURES/BENEFITS

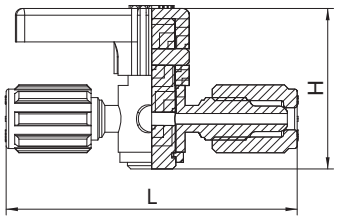
- Wetted parts made from molded virgin ultrapure PFA HP and PTFE.
  - Ultrapure construction.
- 100% plastic construction: no metal or elastomeres.
  - Prevents safety hazards and the possibility of contaminating your fluids.
- No wearing parts.
  - High reliability and maintenance free.
- Straight through flow path.
  - Minimizes the flow restriction.

These valves combine well with our large orifice fittings, superior surface tubing and pumps. We lower your Cost of Ownership.

Spectrum Ex. 1042
Spectrum v. DNA Genotek
IPR2023-01424

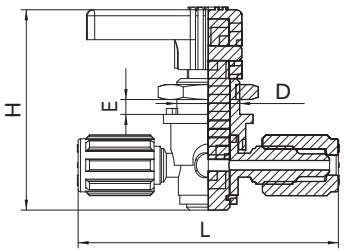
SAINT-GOBAIN
PERFORMANCE PLASTICS

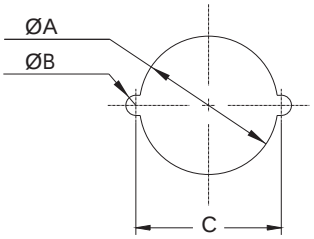
V21MF 2-Way Stopcock 1/4 Turn PFA HP Valve



Part Number	Flare Connection mm	Flare Connection Inch	Orifice ID mm	H mm	L mm
V21 04 06	4 x 6	5/32 x 1/4	4	48	67
V21 06 08	6 x 8	1/4 x 5/16	4	48	82
V21 08 10	8 x 10	5/16 x 3/8	8	67	91
V21 10 13	10 x 13	3/8 x 1/2	8	67	117
V21 MF4	3.8 x 6.4	5/32 x 1/4	3.2	48	89
V21 MF6	6.4 x 9.5	1/4 x 3/8	4	48	95
V21 BMF6	6.4 x 9.5	1/4 x 3/8	6.4	67	104
V21 MF8	9.5 x 12.7	3/8 x 1/2	8	67	110

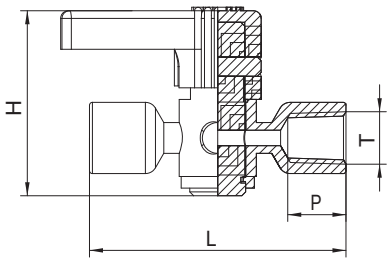
V21MFC 2-Way Stopcock 1/4 Turn Panel Mounted PFA HP Valve





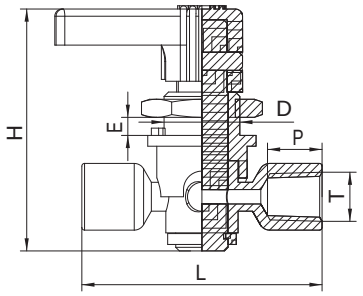
Part Number	Flare Connection mm	Flare Connection Inch	Orifice ID mm	A mm	B mm	C mm	D mm	E mm	H mm	L mm
V21 04 06C	4 x 6	5/32 x 1/4	4	22	5	21	21	5	67	67
V21 06 08C	6 x 8	1/4 x 5/16	4	22	5	21	21	5	67	82
V21 08 10C	8 x 10	5/16 x 3/8	8	34	5	33	33	5	87	91
V21 10 13C	10 x 13	3/8 x 1/2	8	34	5	33	33	5	87	117
V21 MF4C	3.8 x 6.4	5/32 x 1/4	3.2	22	5	21	21	5	67	89
V21 MF6C	6.4 x 9.5	1/4 x 3/8	4	22	5	21	21	5	67	95
V21 BMF6C	6.4 x 9.5	1/4 x 3/8	6.4	34	5	33	33	5	87	104
V21 MF8C	9.5 x 12.7	3/8 x 1/2	8	34	5	33	33	5	87	110

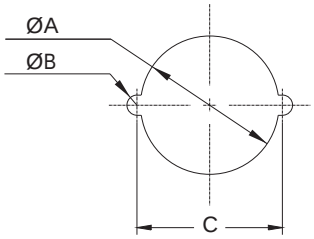
V21F 2-Way Stopcock 1/4 Turn Female Threaded PFA HP Valve



Part Number	Orifice ID mm	H mm	L mm	T NPT	P mm
V21 F4	4	48	67	1/4	15
V21 F6	8	67	79	3/8	15

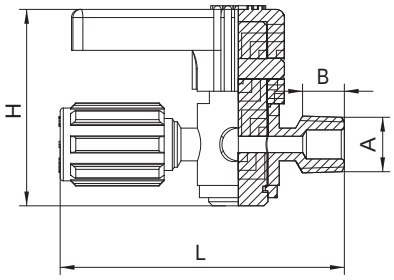
V21FC 2-Way Stopcock 1/4 Turn Female Threaded & Panel Mounted PFA HP Valve





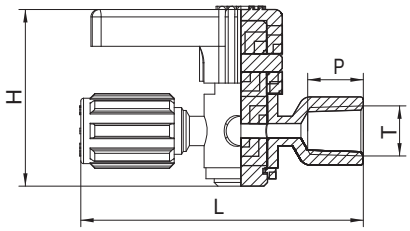
Part Number	Orifice ID mm	A mm	B mm	C mm	D mm	E mm	H mm	L mm	T NPT	P mm
V21 F4C	4	22	5	21	21	5	48	67	1/4	15
V21 F6C	8	34	5	33	33	5	67	79	3/8	15

V21MFM 2-Way Stopcock 1/4 Turn Male Threaded PFA HP Valve



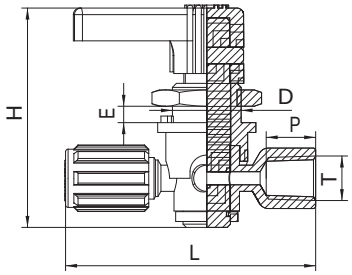
Part Number	Flare Connection mm	Flare Connection Inch	A NPT	B mm	H mm	L mm
V21 04M13	4 x 6	5/32 x 1/4	1/4	13	48	62
V21 06M13	6 x 8	1/4 x 5/16	1/4	13	48	69
V21 08M21	8 x 10	5/16 x 3/8	1/2	15	67	82
V21 10M21	10 x 13	3/8 x 1/2	1/2	20	67	95
V21 MF4M4	3.8 x 6.4	5/32 x 1/4	1/4	10	48	71
V21 MF6M6	6.4 x 9.5	1/4 x 3/8	3/8	10	48	75
V21 BMF6M6	6.4 x 9.5	1/4 x 3/8	3/8	10	67	85
V21 BMF8M6	9,5 x 12.7	3/8 x 1/2	3/8	10	67	88
V21 BMF8M8	9,5 x 12.7	3/8 x 1/2	1/2	13.5	48	90

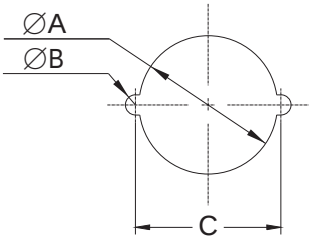
V21MFF 2-Way Stopcock 1/4 Turn Flare & Female Threaded PFA HP Valve



Part Number	Orifice ID mm	H mm	L mm	T NPT	P mm
V21 MF4F4	3.2	48	78	1/4	15
V21 MF6F6	6.4	67	92	3/8	15

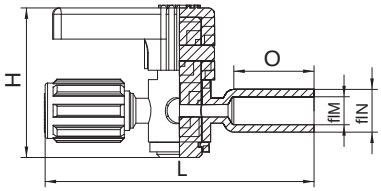
V21MFFC 2-Way Stopcock 1/4 Turn Flare & Female Threaded & Panel Mounted PFA HP Valve





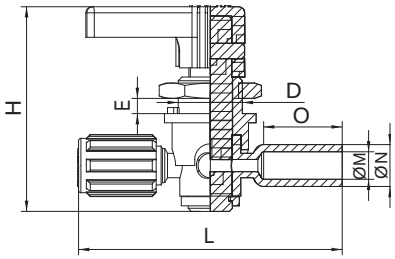
Part Number	Orifice ID mm	A mm	B mm	C mm	D mm	E mm	H mm	L mm	T NPT	P mm
V21 MF4F4C	3.2	22	5	21	21	5	67	78	1/4	15
V21 MF6F6C	6.4	34	5	33	33	5	87	92	3/8	15

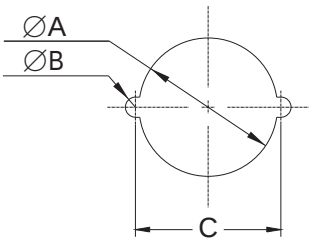
V21MFT 2-Way Stopcock 1/4 Turn Flare & Fuse Bond PFA HP Valve



Part Number	Orifice ID mm	H mm	L mm	ØM mm	ØN mm	O mm
V21 MF4T4	4	48	88	9	13.7	25
V21 MF8T8	8	67	103	15.4	21.3	25

V21MFTC 2-Way Stopcock 1/4 Turn Flare & Fuse Bond & Panel Mounted PFA HP Valve





Part Number	Orifice ID mm	A mm	B mm	C mm	D mm	E mm	H mm	L mm	ØM mm	ØN mm	O mm
V21 MF4T4C	4	22	5	21	21	5	67	88	9	13.7	25
V21 MF8T8C	8	34	5	33	33	5	87	103	15.4	21.3	25

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