

=NUHN= HEADER SERIES VERTICAL PIT PUMP



TRIPLE DISCHARGE HEADER DESIGN - HIGH PERFORMANCE MEETS FUEL ECONOMY



THE HEADER DISCHARGE CONCEPT

Conventional centrifugal pumps only have one discharge on the housing. That means that for every rotation of the fan, the pump is wasting power by trapping manure and not allowing it to easily get out of the housing. By adding multiple outlets, the manure is able to get out of the housing faster, resulting in pumping greater volumes with less horsepower.



MIX IN 1/2 THE TIME

The 8" agitator reduces the time spent mixing the pit. It breaks through thick crust, and destroys untouchable islands of solids.



FINISH 20% SOONER

Customer feedback claims that the same job takes 20% less time to complete, just by switching to a Nuhn Header pump. Move to the next job faster!



USE 50% LESS FUEL

Pump 100,000GAL of manure per 1GAL of diesel fuel!
Customers claim the Nuhn pump uses half the fuel of other pumps on the market.

A Family Business Since 1902

EXCEEDING INDUSTRY STANDARDS THROUGH SUPERIOR DESIGN

MASSIVE AGITATION CAPACITY

- Full 8" agitator swivel with 6" discharge for unbeatable agitation performance
- Option to clamp on reducing nozzle to 4"
- Dual drive motors on rotator sprocket

OPTIONAL RADIO CONTROL

- 300ft range
- Wireless control of valve to switch from "agitate" to "fill"
- Wireless control of agitator movements

HIGH EFFICIENCY DESIGN

- The entire design of the Nuhn pit pump revolves around reducing resistance and improving flow
- Having the liquid leave the housing in three spots allows for a narrow, large diameter fan that increases the velocity of the liquid, and reduces the amount of input power

OVERSIZED GEAR BOX WITH OIL COOLER

STRONGEST SEALING SOLUTION IN THE INDUSTRY

MECH-TC
SEALING SYSTEM

The **MECH-TC** sealing system, exclusive to the Nuhn Header Series pump line, utilizes a tungsten carbide mechanical seal to effectively protect the drive line and bearings. Tungsten carbide is extremely hard and wear resistant, which results in extended seal life in the harshest environments. The sealing system has been designed to withstand sand and other abrasive compounds.

The **MECH-TC** system is designed to withstand tremendous load with three bearings; 2 tapered bearings and one needle bearing. The system is encased in an oil bath for ease of maintenance.

TECHNICAL SPECIFICATIONS

Maximum Flow	7000GPM
Maximum RPM	1000RPM
Minimum HP Required	95hp
Pipe Size	8"ID
Agitator Rotation	320°
Agitator Height Rotation	360°
Agitator Outlet Diameter	5"
Overall Housing Width	32"
Spindle Size	1,500lbs
Tire Size	205/75D15
Drive Shaft Diameter	4"OD
Drive Shaft Yoke Size	55/80 series
Sealing System	Mechanical
Lubrication Style	Oil bath
Hydraulic Control	Standard
Main Frame	8" x 8" x 1/4"
Wear Materials	A/R400
Impellor Diameter	20.5"
Impellor Style	4 blade
Wireless Control	Optional



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