HEAVY DUTY FLAP VALVE PUMPS



FOR FLUIDS CONTAINING UP TO LINE SIZE SOLIDS

HDF Pumps are recommended for abrasive slurries, suspended and non-suspended solids and line-size solids requirements. All SANDPIPER Heavy Duty Flap Valve Pumps are configured in bottom discharge porting arrangements and provide superior suction lift. HDF pumps are thick wall constructed of Sand Casted Aluminum, Cast Iron and Stainless Steel with elastomer, TPE (thermal plastic elastomers) and PTFE options in diaphragms and check valves. HDF pumps are enhanced with an extended wear package.



Durable Diaphragm Connecting Rods

Reliable and consistent diaphragm control



Lightweight & Portable

Weights range from 48 lbs (21 kg)



ESADS+Plus Air Valve

Externally Serviceable Air Distribution System



Bottom Discharge

For pumping out of tough areas



Flap Check Valves

Provide large solid abilities



All Bolted Construction

Durable and high pressure capable



Dynamic Manifold Connections

90° - 180° rotation options



Solids Range

+1" (25mm) to 3" (75mm)



Superior Dry Prime

Up to 24' (7m) of water

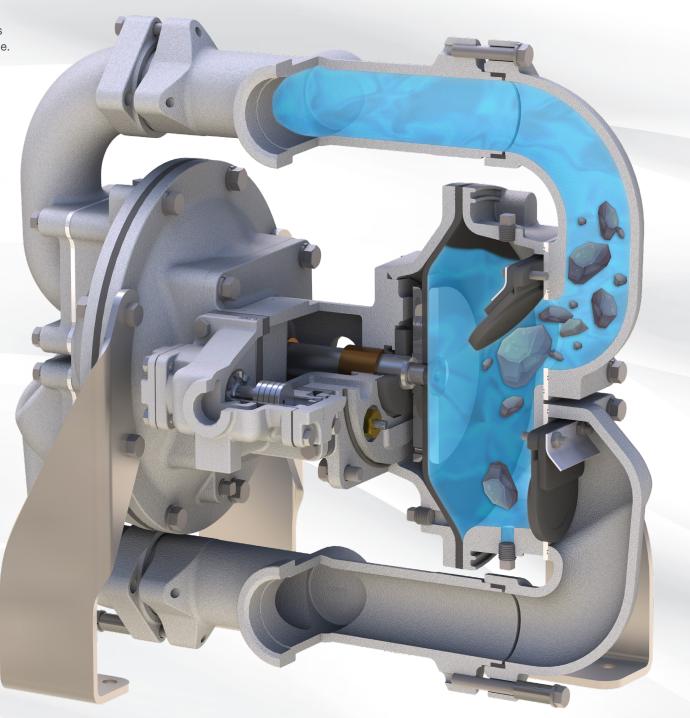


Certifications Available

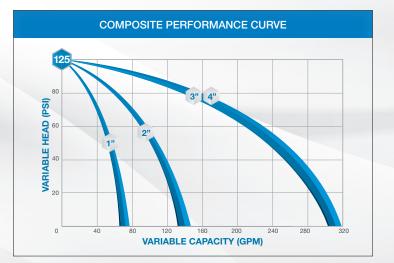














HEAVY DUTY FLAP VALVE PUMPS

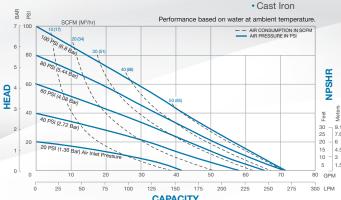
PERFORMANCE & SPECIFICATIONS



HDF1 Metallic Performance



MAX FLOW PORTING AIR END • 70 GPM (265 LPM) • NPT / BSP • Aluminum Aluminum Cast Iron Stainless Steel

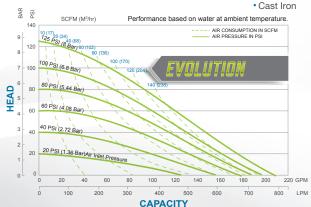




HDF2 Metallic Performance

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MAX FLOW PORTING AIR END **WET END** • 208 GPM (787 LPM) • NPT / BSP Aluminum Aluminum Cast Iron Stainless Steel

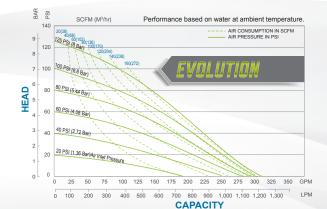




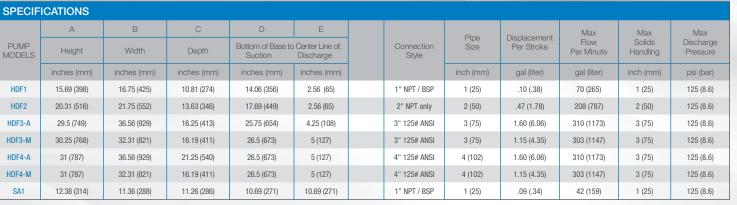
HDF3-A / 4-A Metallic Performance & CE

•310 GPM (1,173 LPM) • ANSI Flange • Aluminum

PORTING AIR END







Dimensional Tolerance: ±1/8" (± 3mm) • See service manual for complete specifications.

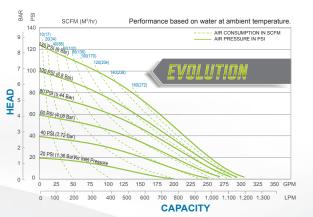




IAX FLOW	PORTING
303 GPM (1.147 LPM)	 ANSI Flang

AIR END Cast Iron

WET END Cast Iron

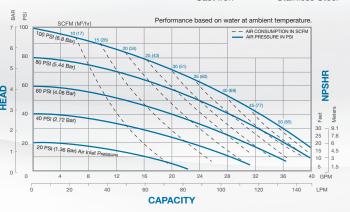


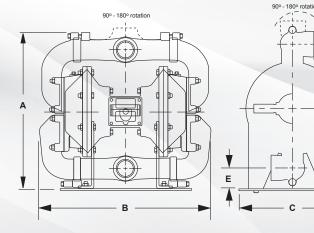


SA1 Metallic Performance

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MAX FLOW PORTING AIR END **WET END** • 42 GPM (159 LPM) • NPT / BSP Aluminum Aluminum Cast Iron Stainless Steel



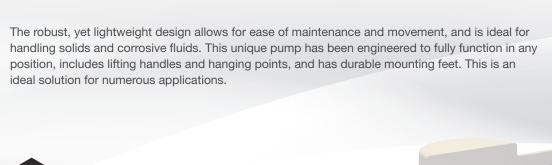






2" NON-METALLIC FLAP VALVE PUMP

YOUR MINING, GENERAL INDUSTRIAL AND CHEMICAL SOLUTION



Lightweight & Durable

it easily portable at 53 lbs (24 kg)

Reliability Guarantee

in operation

Rugged Design -

when pumping solids laden fluids

superior suction lift and flow rates

abrasion, delivering extended life

The threaded version features stainless steel mounting feet and the flanged version features

Purpose Built Base

Polypropylene mounting feet



Addition of stainless steel hanging points located on the manifold allow for multiple mounting options



Strong Manifold Connections

Optional flanged or threaded connection for additional flexibility: Stainless steel reinforcing rings help protect the threaded manifold connections from being damaged



Ergonomic Handle

Lifting handles come standard, allowing for easy pump transport; handles can be rotated 90 degrees for proper ergonomics, depending on desired use



- Unsurpassed Performance

Industry leading flow rates, suction lift, air efficiency and displacement per stroke



Versatile Design

This pump will function in any position, including uneven surfaces





Simple Maintenance

With our signature ESADS+Plus (Externally Serviceable Air Distribution System) air valve design and externally serviceable flap valve modules, in-field service is quick and easy, saving you from unnecessary downtime



Visit SANDPIPERPUMP.COM/ESADSVIDEO

to see how easy the ESADS air valve makes maintaining the 2" Non-Metallic Flap Valve.







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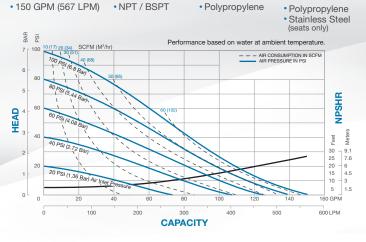
PERFORMANCE & SPECIFICATIONS



HD20F Non-Metallic Performance

MAX FLOW PORTING AIR END

• 150 GPM (567 LPM) • NPT / BSPT • Polypropylene • Polypropylene



Ease of Valve Maintenance

To help increase productivity and reduce downtime, the 2" Non-Metallic Flap Valve Pump was engineered with ease of maintenance in mind.

QUICK ACCESS TO SERVICEABLE COMPONENTS

1. Remove Clean-Out Cap-

By simply removing six bolts securing the clean-out cap in place, it allows access to clear simple clogs without disassembling the entire pump.

2. Modular Check Valve Access

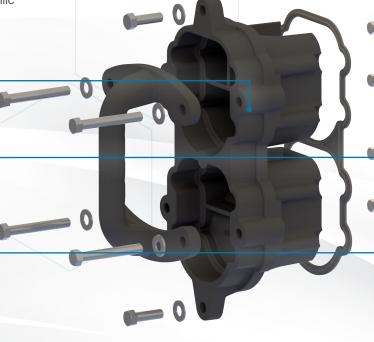
With the clean-out cap removed, the flap valves can be inspected and / or replaced as needed. Four bolts hold the modular flap valves in place for quick maintenance and repair.

3. ESADS+Plus-

Proven air distribution system allows for maintenance and / or repair of both pilot valve and air valve components without removing the pump from service.



Visit **SANDPIPERPUMP.COM/ESADSVIDEO** to see how easy the ESADS air valve makes maintaining the 2" Non-Metallic Flap Valve.





Dimensional Tolerance: ±1/8" (± 3mm) • See service manual for complete specifications.

