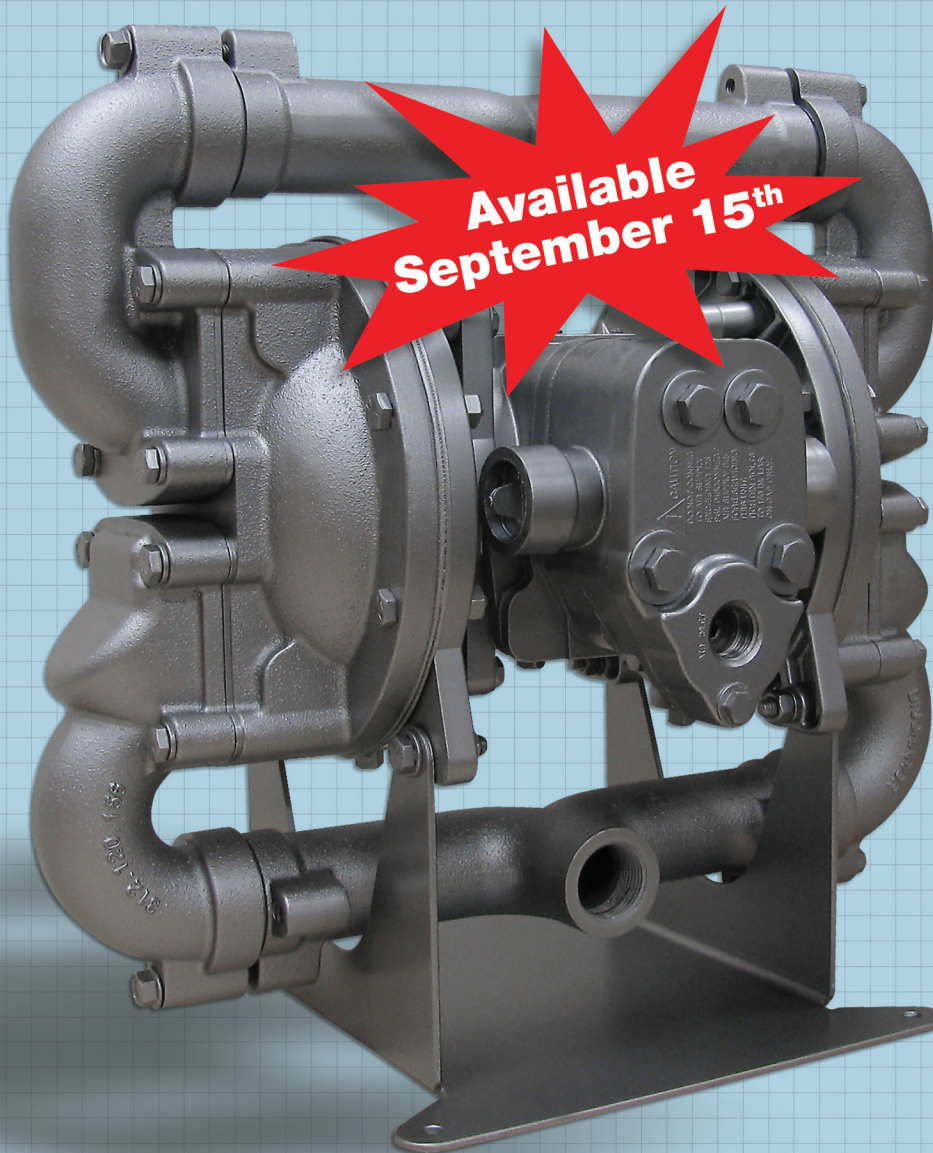


WARREN RUPP® is pleased to announce the **NEW** **SANDPIPER®** 1" Heavy Duty Flap Valve Pump!

The NEW 1" Heavy Duty Flap (HDF1) Valve Pump will **ENHANCE** and **EXTEND** the Product Line



Available
September 15th

This HDF1 pump offers you two of the most basic operating requirements:

- *An increase in operating efficiency*
- *A reduction in operating costs*

APPLICATIONS

- Sludge and Slurry
- Suspended and non-suspended solids
- Sump

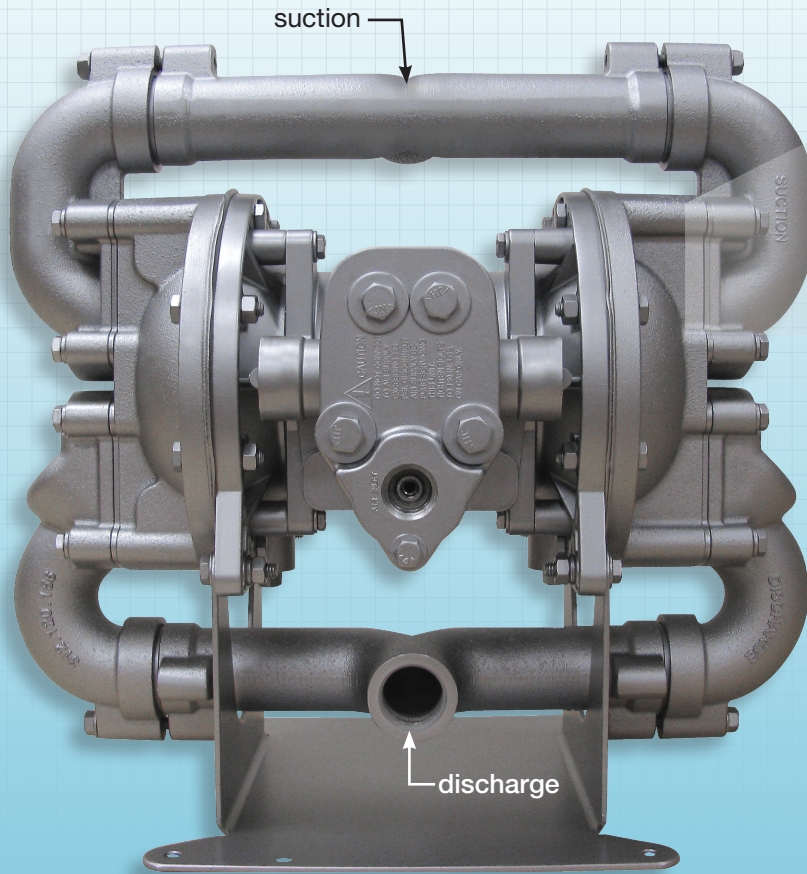
Discover

SANDPIPER®

A WARREN RUPP PUMP BRAND

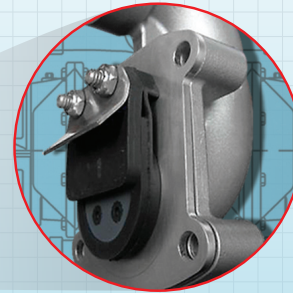
Pumping
Solutions

THE NEW HDF1 PUMP



FEATURES:

- Enhanced HD design
- Increased flow by 67% – 70 gpm (265 lpm)
- Increased operating efficiency by 41% for 58 SCFM (98.5 M³/hr)
- Dry suction lift increase of 70% - 17 ft (5.2m)
- Solids handling up to 1" (25.4mm)
- Top suction, bottom discharge
- Three piece manifold to allow for porting options
- Easy to maintain

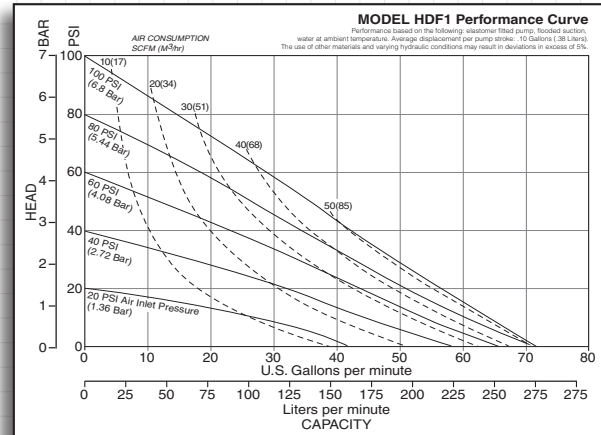


BENEFITS:

- Increased operating efficiency
- Reduction in operating cost

GUARANTEES:

- ESADS+Plus (Externally Serviceable Air Distribution System)
- Connecting Rod Guarantee
- On-Off-On Reliability



Type	Wetted	Non-Wetted	Diaphragm	Flap Valve Material	Seat/Manifold Seal	Shipping Lbs/Kg
DB-1-A	Aluminum	Aluminum	B (Nitrile)	B (Nitrile)	B (Nitrile)	48 lbs (21.8 kg)
DI-1-A	Aluminum	Aluminum	I (EPDM)	I (EPDM)	I (EPDM)	48 lbs (21.8 kg)
DN-1-A	Aluminum	Aluminum	N (Neoprene)	N (Neoprene)	N (Neoprene)	48 lbs (21.8 kg)
DV-1-A	Aluminum	Aluminum	V (FKM)	V (FKM)	V (FKM)	48 lbs (21.8 kg)
DP-1-A	Aluminum	Aluminum	S (Santoprene)	S (Santoprene)	I (EPDM)	48 lbs (21.8 kg)
DR-1-A	Aluminum	Aluminum	H (Hytrel)	H (Hytrel)	N (Neoprene)	48 lbs (21.8 kg)
DA-1-A	Aluminum	Aluminum	N (Neoprene)	U (Urethane)	N (Neoprene)	48 lbs (21.8 kg)

NOTE: HDF1 Models also available in Aluminum, Cast Iron and Stainless Steel. For a complete list of options, please see the HDF1 data sheet.
*Cast Iron available October, 2009

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HDF1F-0909a

