



# 2" NON-METALLIC FLAP VALVE PUMP

YOUR MINING, GENERAL INDUSTRIAL AND CHEMICAL SOLUTION

The robust, yet lightweight design allows for ease of maintenance and movement, and is ideal for handling solids and corrosive fluids. This unique pump has been engineered to fully function in any position, includes lifting handles and hanging points, and has durable mounting feet. This is an ideal solution for numerous applications.



### Lightweight & Durable

The non-metallic, lightweight design makes it easily portable at 53 lbs (24 kg).



### Reliability Guarantee

Strongest diaphragm connecting rod in the industry is guaranteed to not bend or yield in operation.



### Rugged Design

Stainless steel seats prevent abrasion when pumping solids laden fluids.



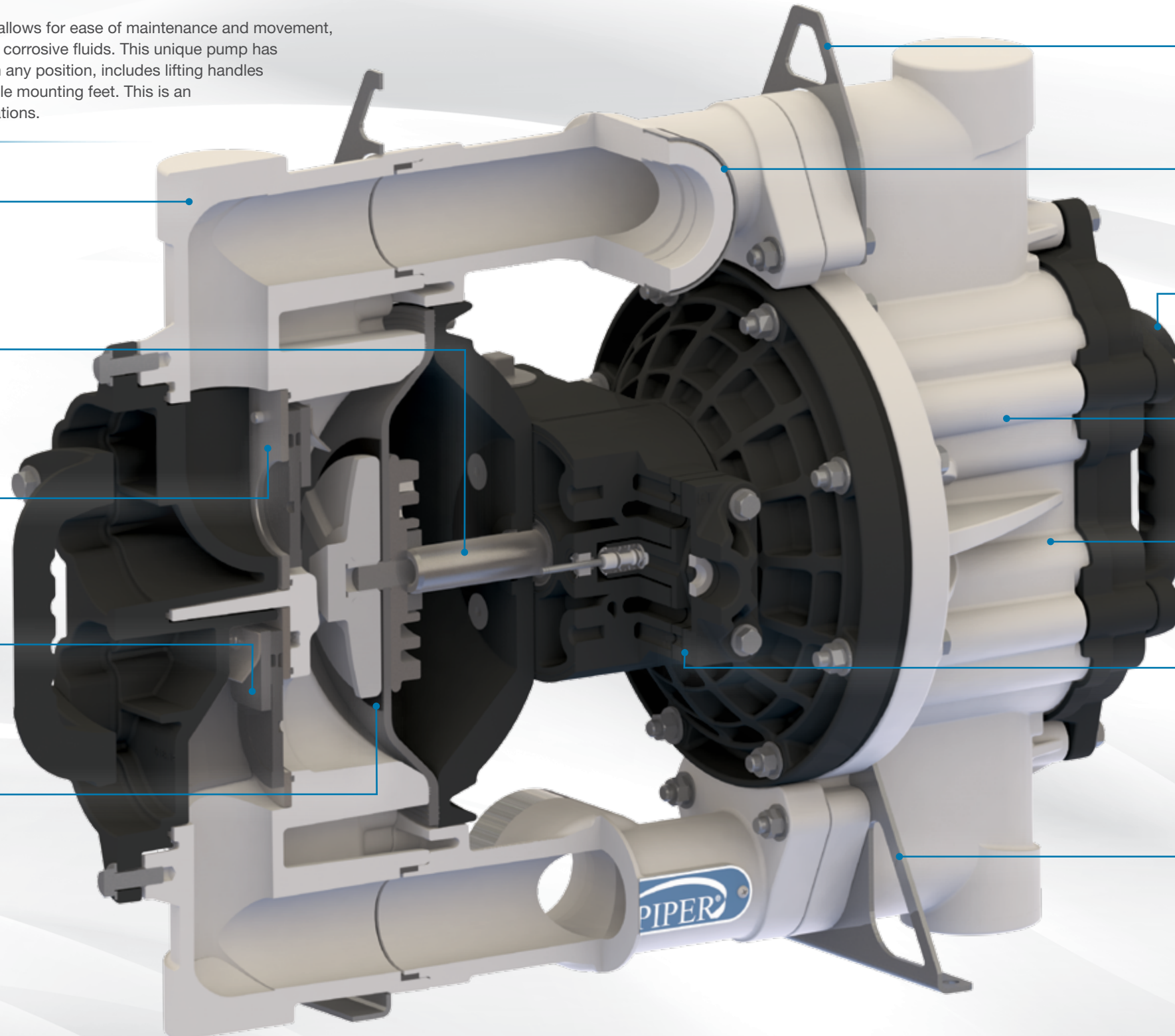
### Optimum Solids Handling

Hinge pads exert positive pressure on the flaps, allowing the pump to operate in virtually any position. They help deliver superior suction lift and flow rates.



### Long Life

A proven diaphragm design in conjunction with exclusive wear pads reduce plate abrasion, delivering extended life.



### Industrial Mounting Capabilities

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



### Strong Manifold Connections

Stainless steel reinforcing rings help protect the threaded manifold connections from being damaged from overtightening and excessive piping or hose stress.



### 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.



### Purpose Built Base

Stainless steel, corrosion resistant mounting feet allow for pump stability while reducing potential housing damage.





# HEAVY DUTY NON-METALLIC FLAP VALVE PUMP

PERFORMANCE & SPECIFICATIONS

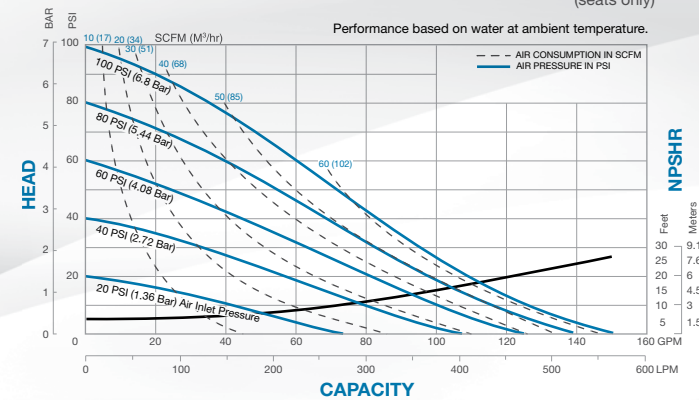


2"  
50mm

## HD20F Non-Metallic Performance



- MAX FLOW** • 150 GPM (567 LPM)
- PORTING** • NPT / BSPT
- AIR END** • Polypropylene
- WET END** • Polypropylene  
• Stainless Steel (seats only)

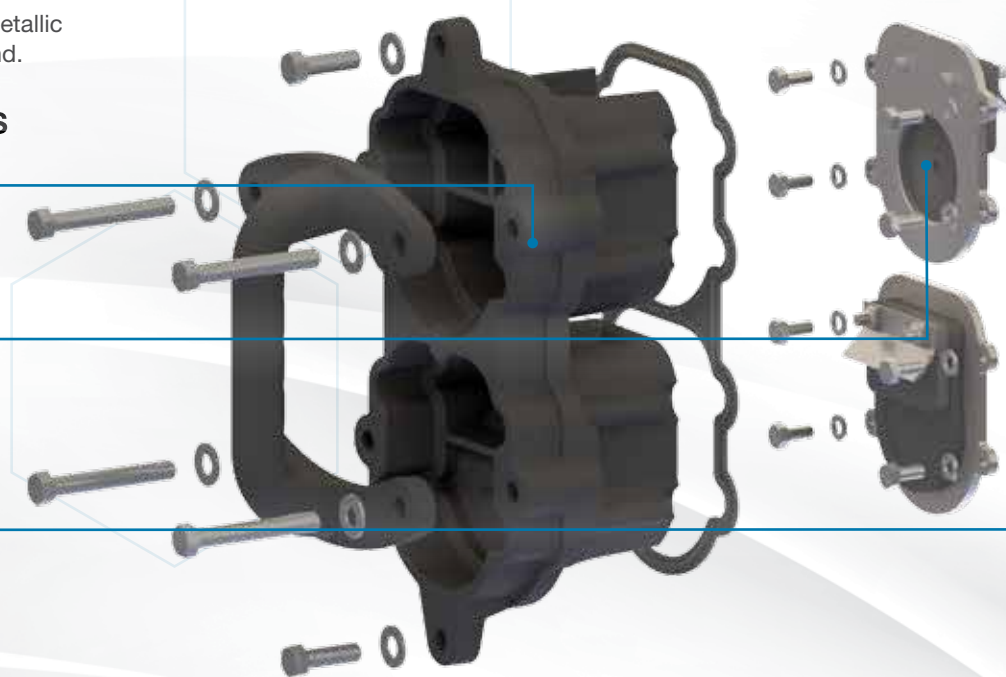


### Ease of Valve Maintenance

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

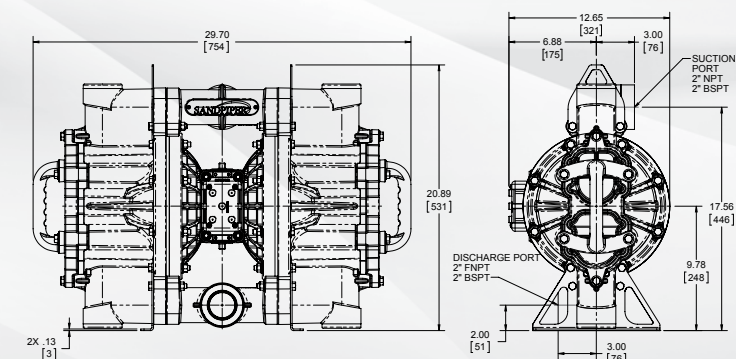
- 1. Remove Clean-Out Cap**  
By simply removing six bolts securing the clean-out cap in place, it allows access to clear simple clogs without disassembling the entire pump.
- 2. Modular Check Valve Access**  
With the clean-out cap removed, the flap valves can be inspected and / or replaced as needed. 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](http://SANDPIPERPUMP.COM/ESADSVIDEO) to see how easy the ESADS air valve makes maintaining the 2" Non-Metallic Flap Valve.

SPECIFICATIONS											
PUMP MODEL	A	B	C	D	E	Connection Style	Pipe Size	Displacement Per Stroke	Max Flow Per Minute	Max Solids Handling	Max Discharge Pressure
	Height	Width	Depth	Bottom of Base to Center Line of Suction	Center Line of Discharge		inch (mm)				
HD20F	20.89 (531)	29.7 (754)	12.65 (321)	17.56 (446)	2 (50)	2" NPT / BSPT	2 (50)	.50 (1.9)	150 (567)	1.8 (46)	100 (7)

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



ENGINEERED PUMPING SOLUTIONS WITH MORE WAYS THAN ONE

SANDPIPERPUMP.COM

