



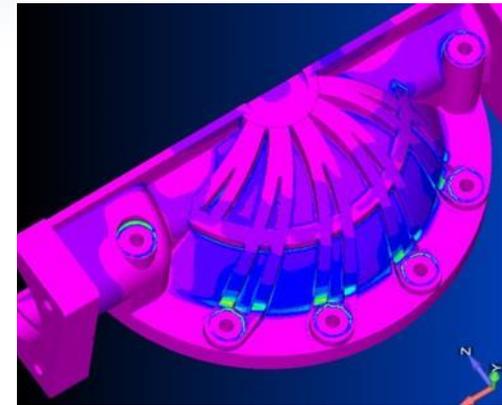
Change Is In The Air





Why FTI Air?

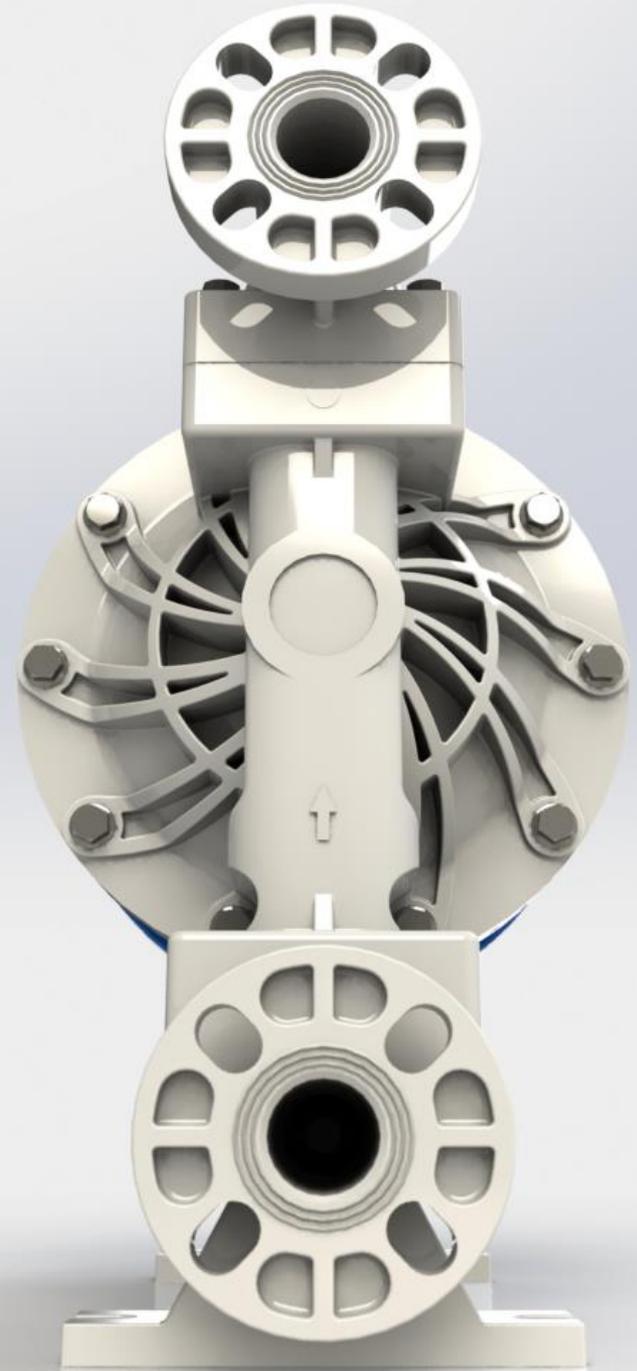
- FTI Air is a division of Finish Thompson, a manufacturer of quality products since 1951.
- FTI Air pumps are designed to be robust and reliable.
- Fewer parts means easier maintenance and improved reliability.
- All components designed by our skilled pump engineers using advanced computer-aided technology.
- Advanced design using quality materials backed by a five year warranty.





FTI Air Feature and Benefits

- Fewer moving parts compared to competitors
- Easy to maintain – no special tools required
- Simple, reliable, leak-free air valve
- Lower noise levels
- Compact design
- All models CE, metal models ATEX certified





Why Use an AODD Pump?

- Easy to install, simple to operate
- Portable
- Installation versatility: Flooded suction, self-priming or submersible
- Application versatility: Dry running ability, solids handling, abrasive handling
- Pumps viscous fluids and shear sensitive fluids
- Economical compared to other positive displacement technologies



How It Works

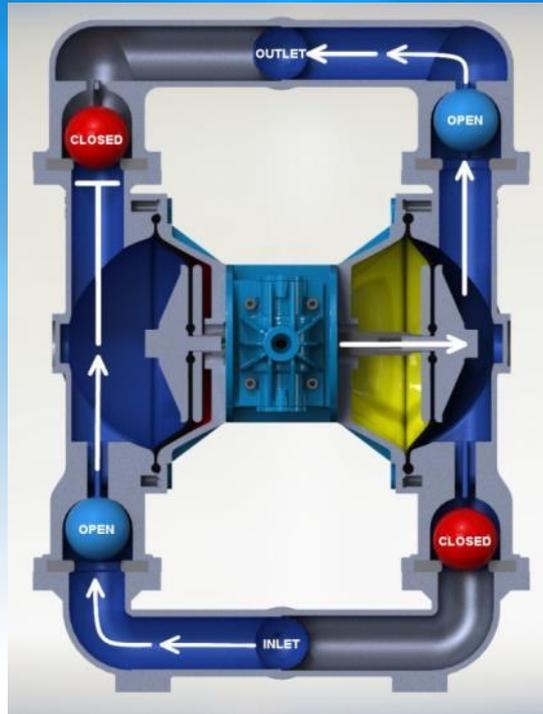


Figure 1

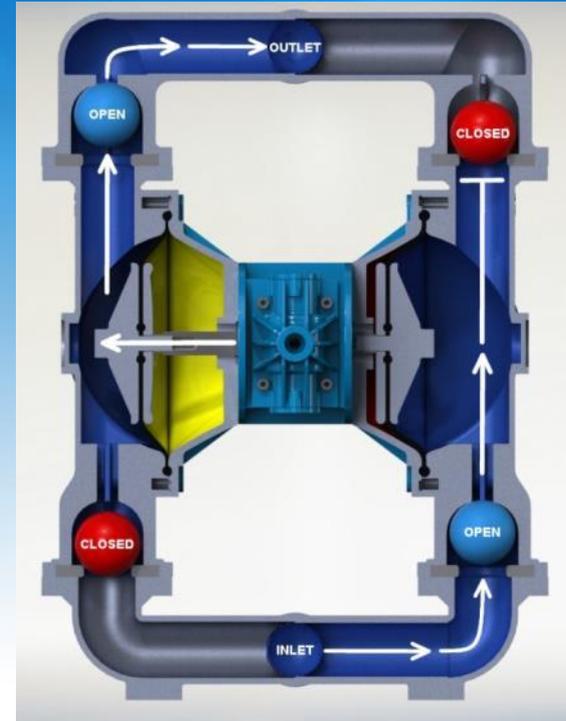


Figure 2

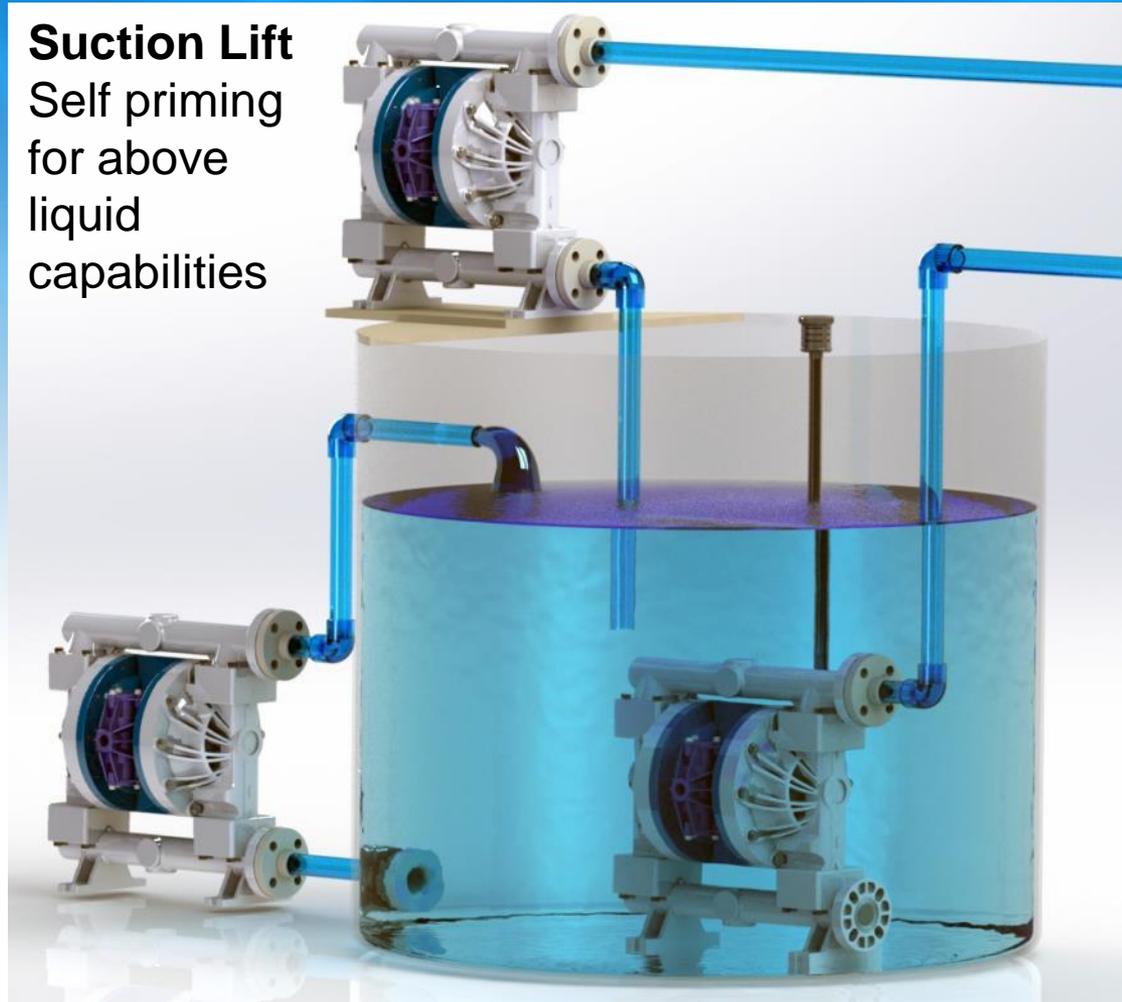
Figure 1: As the shaft located in the center section moves to the right, the diaphragm in the left chamber moves towards the center section. This creates a vacuum lifting the lower ball check allowing liquid to fill the left chamber.

Figure 2: As the shaft moves to the left, the diaphragm in the left chamber moves to the left pressurizing the liquid. This lifts the upper ball check, allowing liquid to flow through the discharge manifold and out of the pump.

DURING ONE STROKE ONE SIDE IS PUMPING FLUID WHILE THE OTHER SIDE IS FILLING.

Installation

Suction Lift
Self priming
for above
liquid
capabilities



Flooded Suction
Most common
application

Submerged

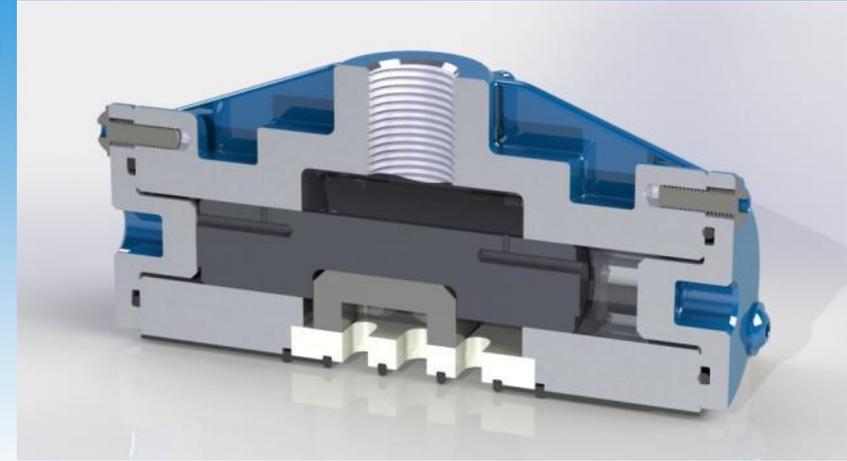
Capable of full submersion, materials must be compatible with liquid, muffler must be above liquid level



Aluminum Air Valve

Simple, rugged and reliable design

- Painted die cast aluminum valve body
- Sliding shoe design features low friction carbon filled PTFE slide valve (shoe), polished alumina valve plate and hard anodized aluminum valve carrier
- Molded Buna gasket is fitted to grooves in the face of the valve body and slide valve plate to ensure total sealing and eliminate flat gasket tearing.
- Uses air through slotted diaphragm shaft to shift the valve eliminating need for separate pilot valve or mechanically operated pilot valve.
- Uses differential pressure provided by the diaphragm shaft to shift and prevent stalling.



Aluminum Air Valve



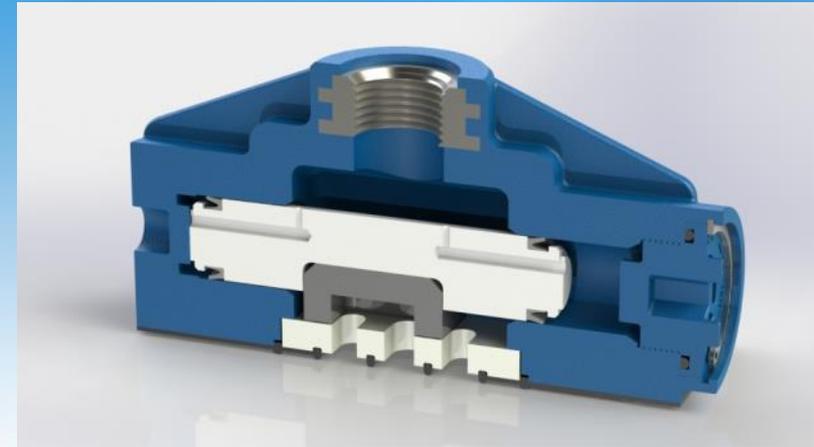
Slotted Shaft



Non-Metallic Air Valve

Simple, rugged and reliable design

- Glass fiber reinforced polypropylene valve body
- Sliding shoe design features low friction carbon filled PTFE slide valve (shoe), polished alumina valve plate and UHMW valve carrier with permanently lubricated seals.
- Molded Buna gasket is fitted to grooves in the face of the valve body and slide valve plate to ensure total sealing and eliminate flat gasket tearing.
- Uses air through slotted diaphragm shaft to shift the valve eliminating need for separate pilot valve or mechanically operated pilot valve.
- Uses differential pressure provided by the diaphragm shaft to shift and prevent stalling.



Non-Metallic Air Valve



Slotted Shaft



ADS (Air Distribution System)

Diaphragm Shaft

Stainless steel shaft located in the center section connects both diaphragms and acts as the pilot valve.

Shaft Slots

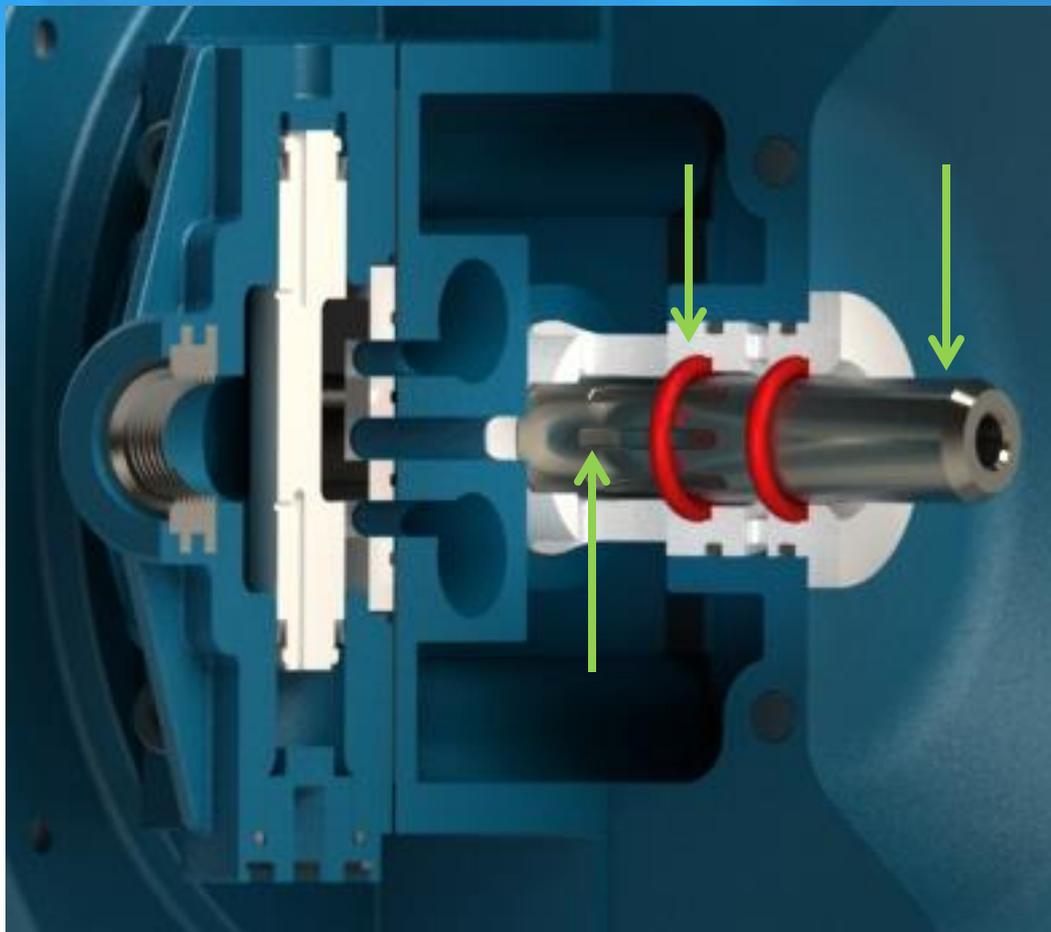
Ensure there is always a signal for the air valve and generous clearance makes virtually impossible to clog.

Bushings

The shaft rides inside bushings utilizing proprietary TPE material.

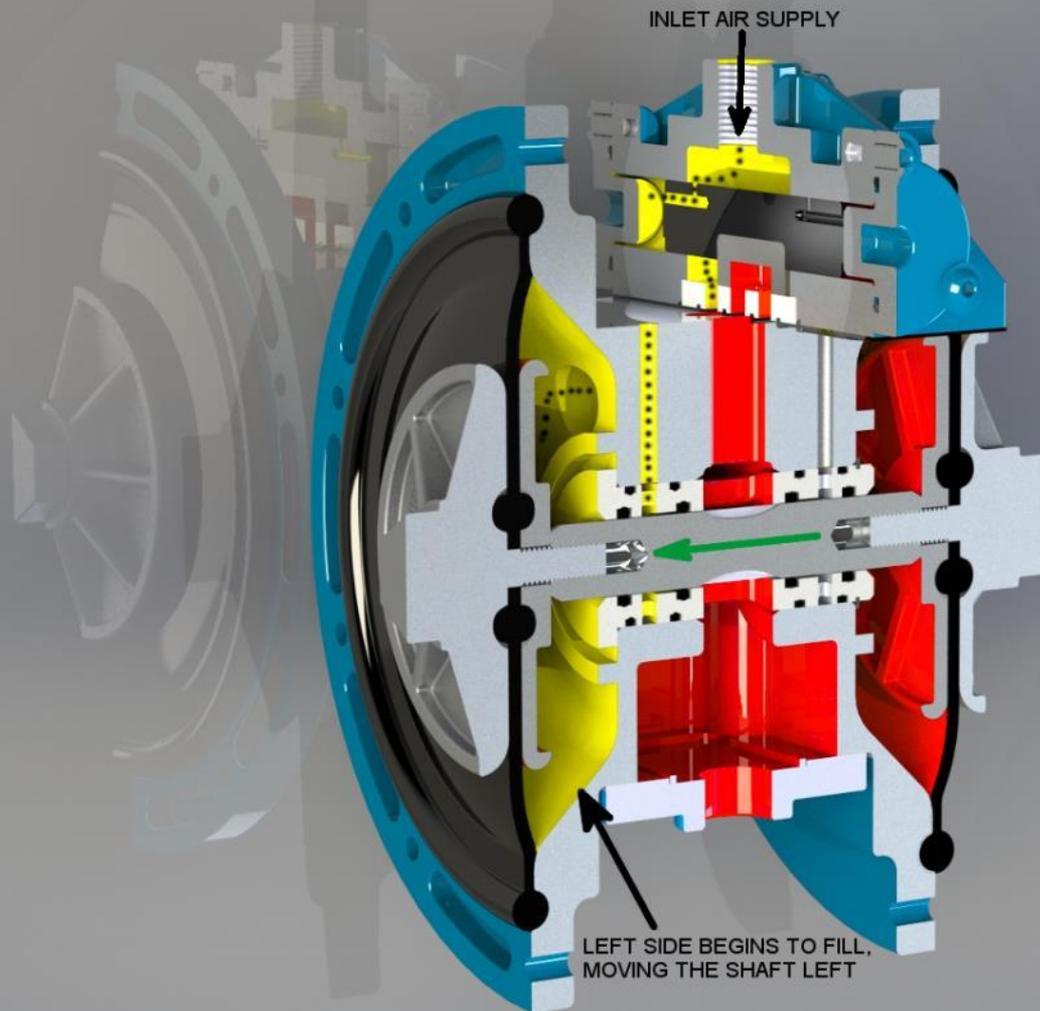
Non-freezing

Inlet air pathway is optimized (consistent area throughout the whole air pathway) to prevent ice buildup in the air distribution system.



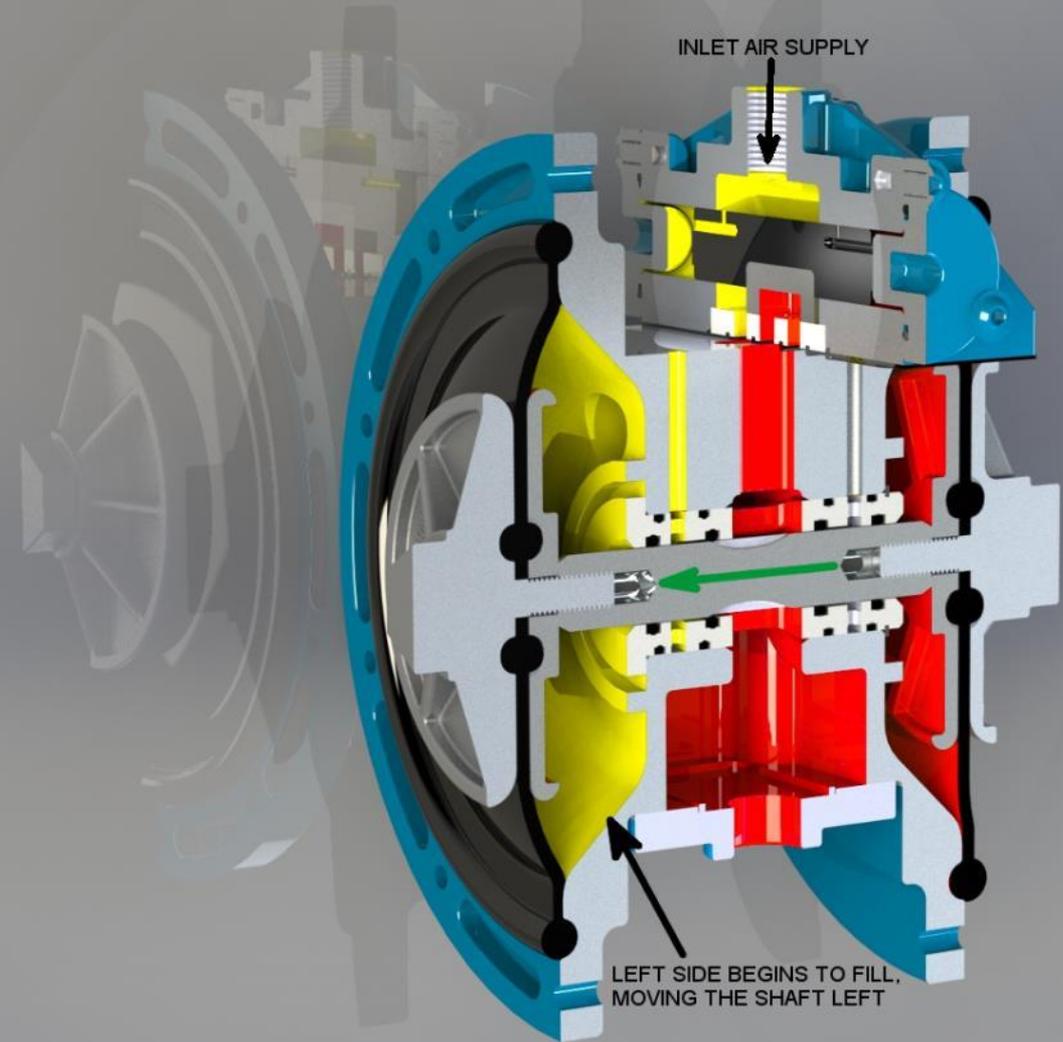
Plastic Air Valve with Diaphragm Shaft

ADS (Air Distribution System)





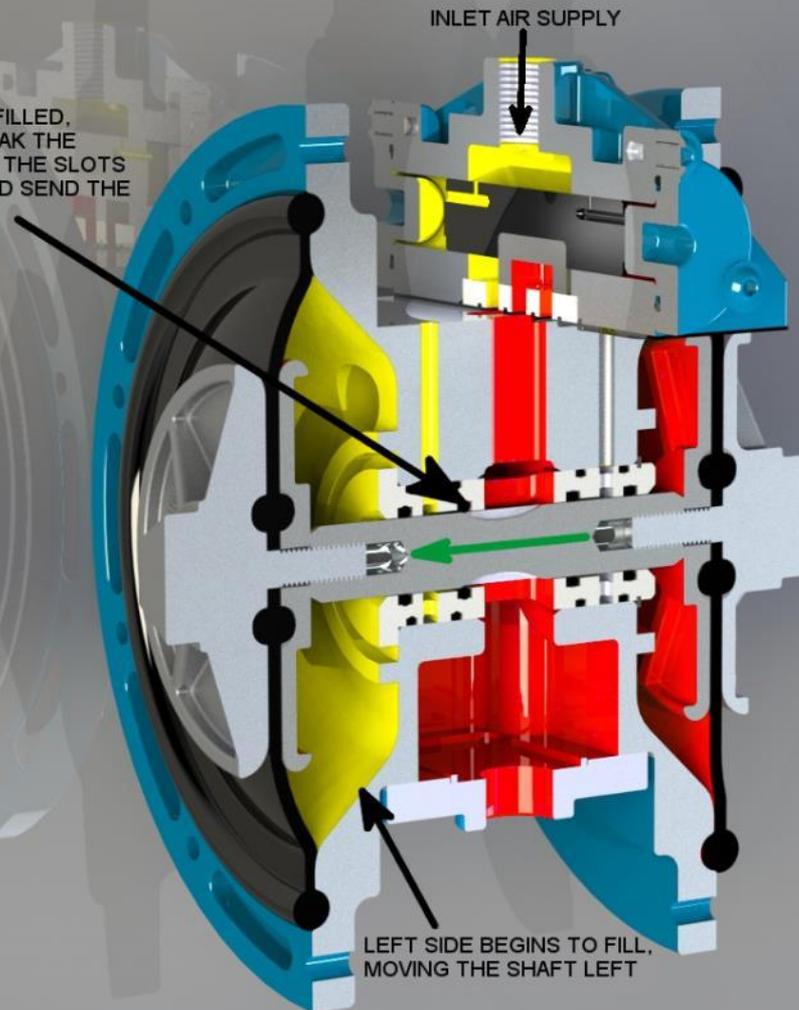
ADS (Air Distribution System) Continued





ADS (Air Distribution System) Continued

WHEN AIR CHAMBER IS FULLY FILLED, THE SLOTS IN THE SHAFT BREAK THE SEAL OF THE SHAFT O-RINGS. THE SLOTS SERVE AS THE PILOT VALVE AND SEND THE SIGNAL TO VALVE TO SHIFT.



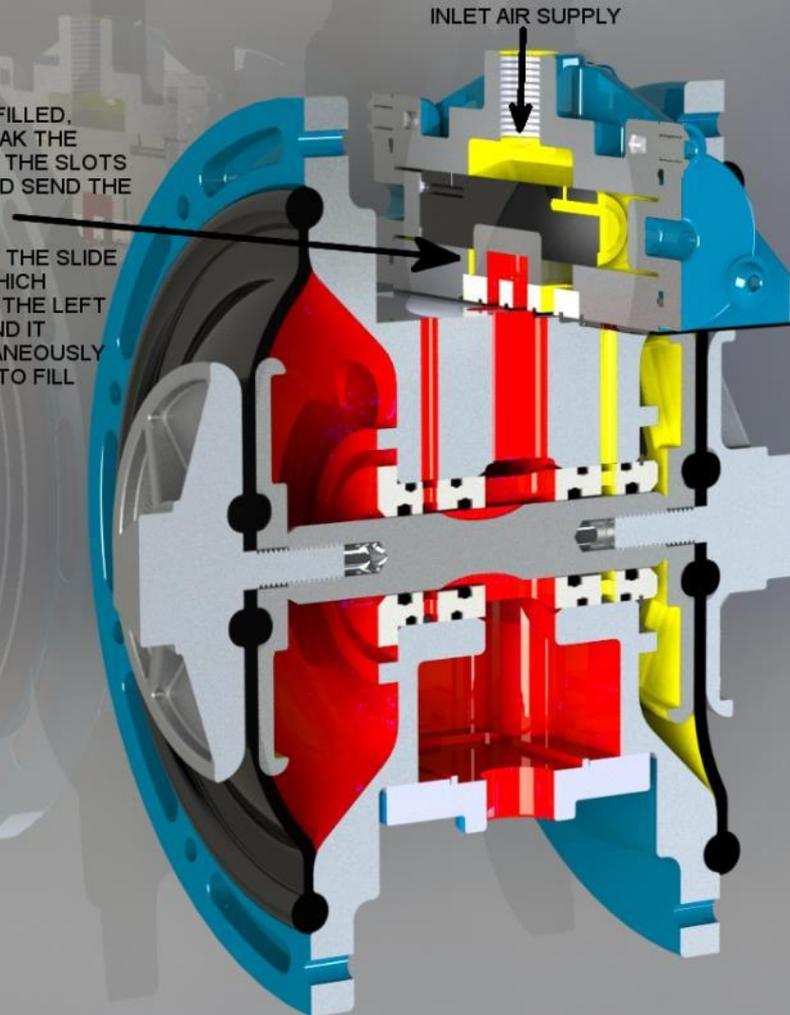
LEFT SIDE BEGINS TO FILL,
MOVING THE SHAFT LEFT



ADS (Air Distribution System) Continued

WHEN AIR CHAMBER IS FULLY FILLED, THE SLOTS IN THE SHAFT BREAK THE SEAL OF THE SHAFT O-RINGS. THE SLOTS SERVE AS THE PILOT VALVE AND SEND THE SIGNAL TO VALVE TO SHIFT.

THIS MOVES THE POSITION OF THE SLIDE VALVE ON THE VALVE PLATE WHICH CONNECTS THE FILL PORT OF THE LEFT CHAMBER TO ATMOSPHERE AND IT BEGINS TO EXHAUST. SIMULTANEOUSLY THE RIGHT CHAMBER BEGINS TO FILL

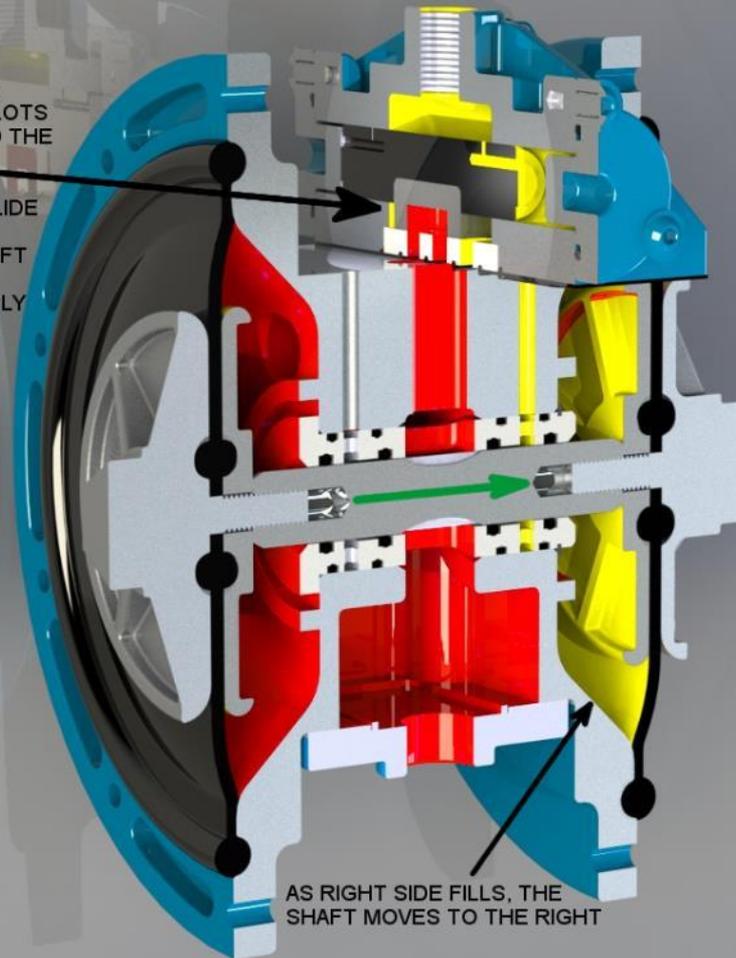




ADS (Air Distribution System) Continued

WHEN AIR CHAMBER IS FULLY FILLED, THE SLOTS IN THE SHAFT BREAK THE SEAL OF THE SHAFT O-RINGS. THE SLOTS SERVE AS THE PILOT VALVE AND SEND THE SIGNAL TO VALVE TO SHIFT.

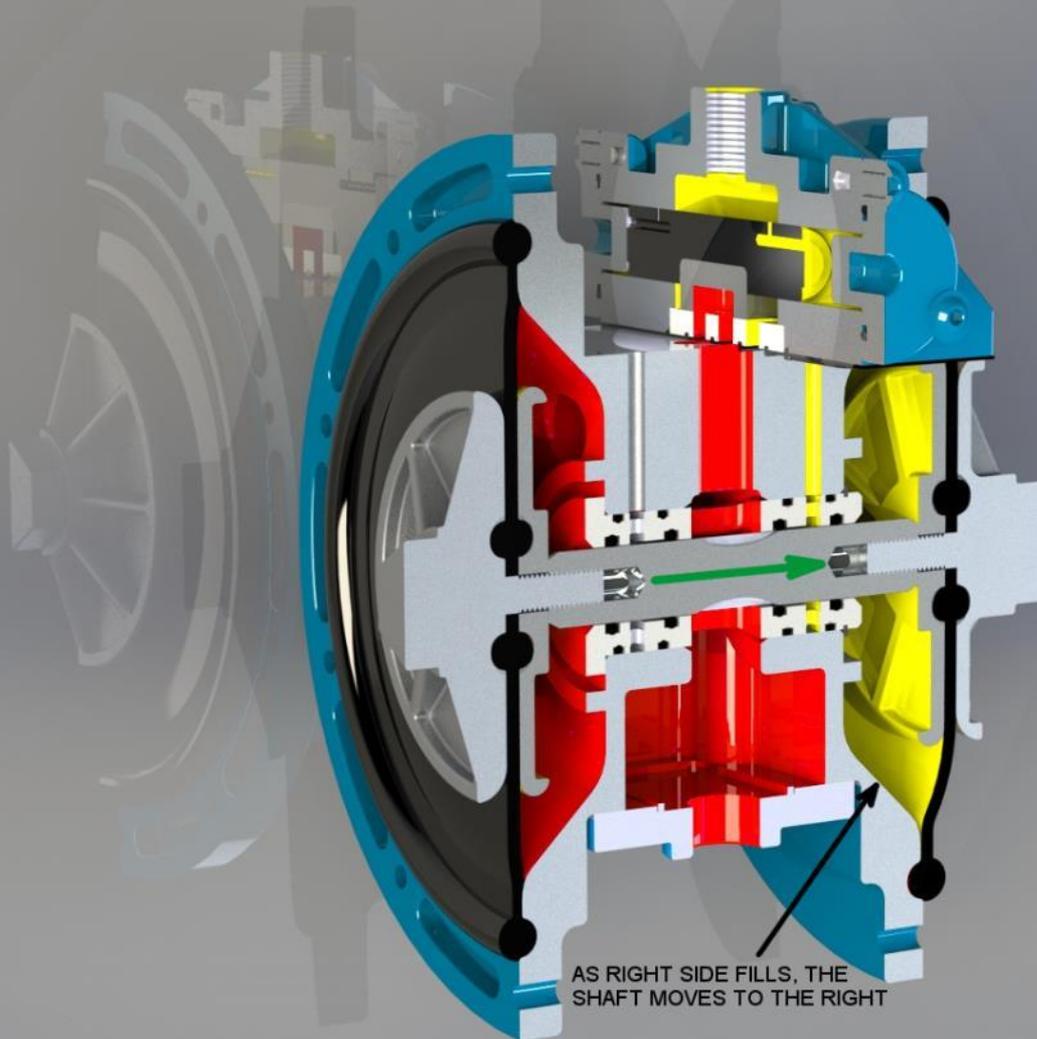
THIS MOVES THE POSITION OF THE SLIDE VALVE ON THE VALVE PLATE WHICH CONNECTS THE FILL PORT OF THE LEFT CHAMBER TO ATMOSPHERE AND IT BEGINS TO EXHAUST. SIMULTANEOUSLY THE RIGHT CHAMBER BEGINS TO FILL



AS RIGHT SIDE FILLS, THE SHAFT MOVES TO THE RIGHT



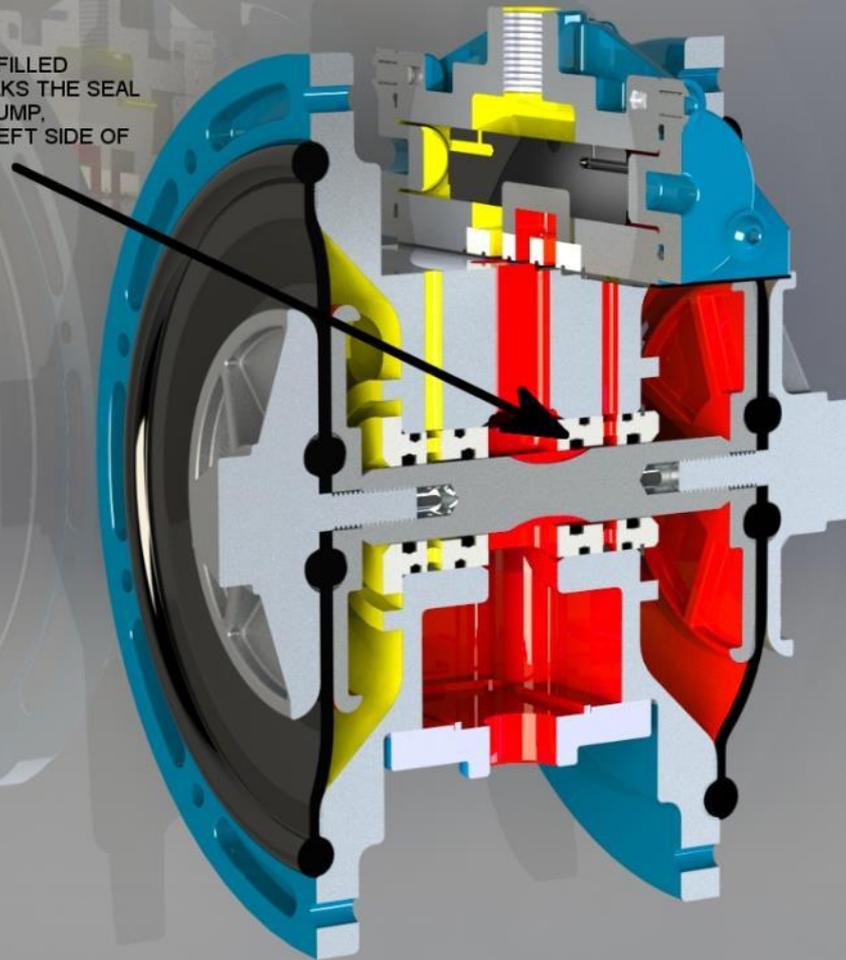
ADS (Air Distribution System) Continued





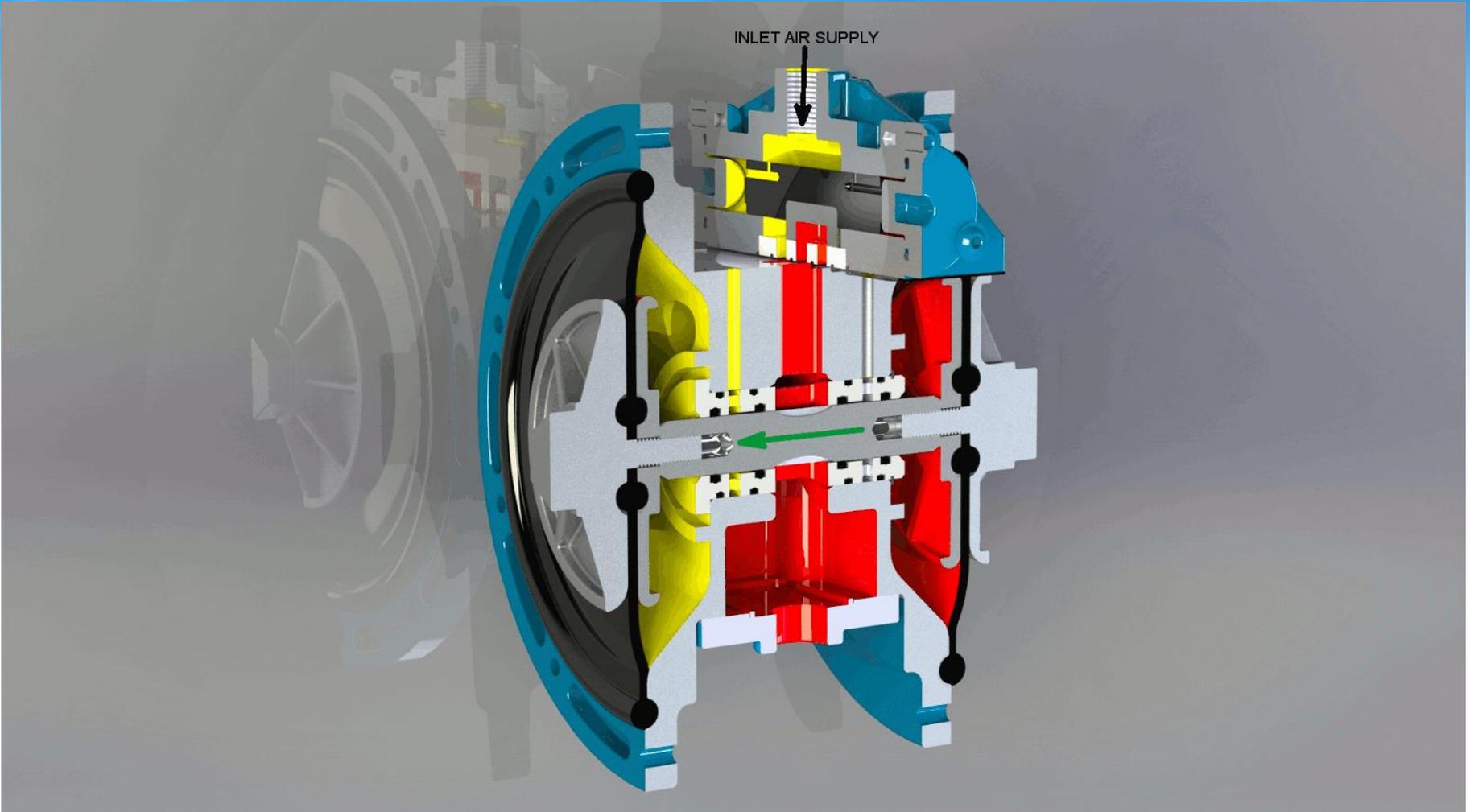
ADS (Air Distribution System) Continued

WHEN AIR CHAMBER IS FULLY FILLED
THE SLOT IN THE SHAFT BREAKS THE SEAL
ON THE RIGHT SIDE OF THE PUMP,
CAUSING THE SHIFT TO THE LEFT SIDE
OF THE PUMP.



Air System Animation

Click "Play" Button





Pump Design

Our engineers are experts at designing robust and reliable pumping solutions for harsh industrial environments.

Simplicity of Design

Low number of parts for easy maintenance and improved reliability

Modular Design

Modular design simplifies maintenance with individually replaceable, lower cost wear parts and requires no special tools.

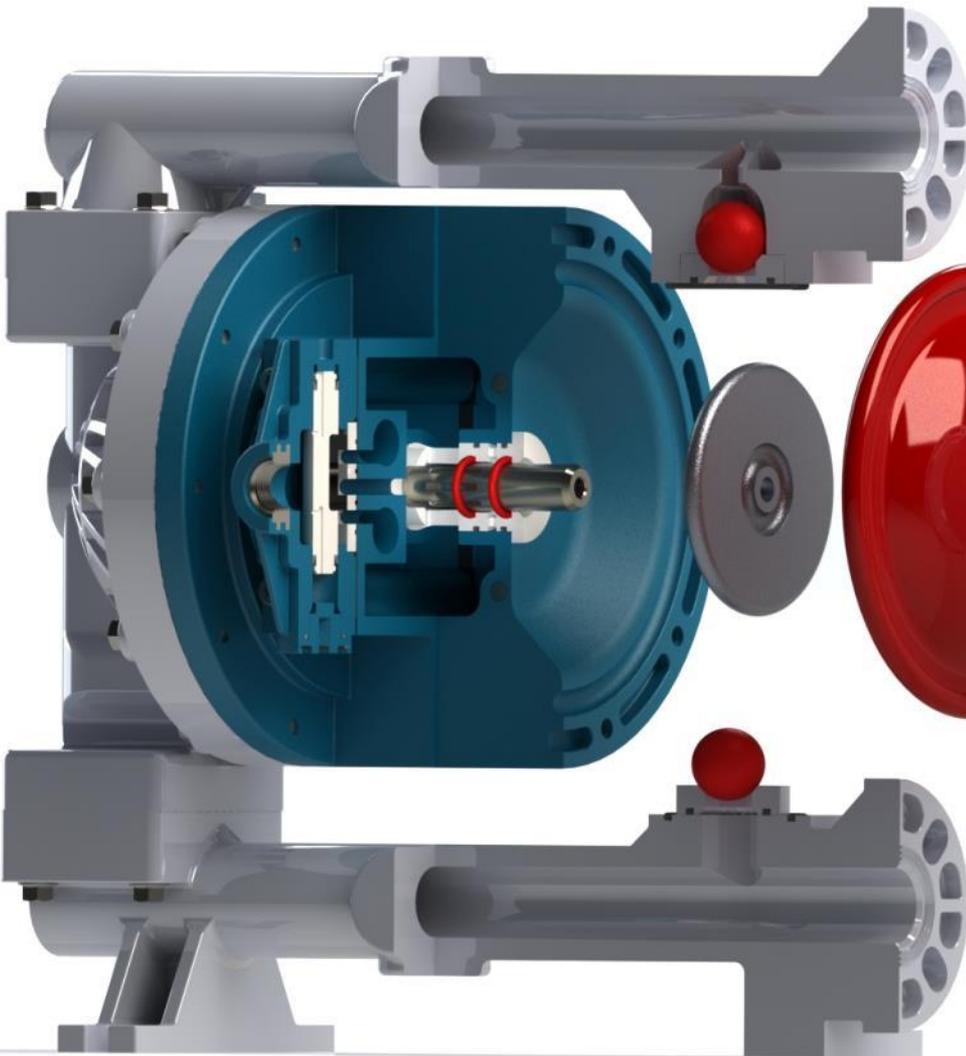
100% Factory Tested

Every pump is factory tested with an automated three point test for vacuum, leakage and run ability. Only air is used during testing to ensure no residual water is present when received.





A Look Inside Pump Features



Diaphragms
Available in a wide variety of materials

Bolted construction
for leak free fluid handling



Manifolds
Single piece construction reduces chance of leak.

Liquid Chambers
Finite Element Analysis (FEA) designed for maximum strength



A Look Inside Pump Features

Flanged Hardware eliminates washers

Connections

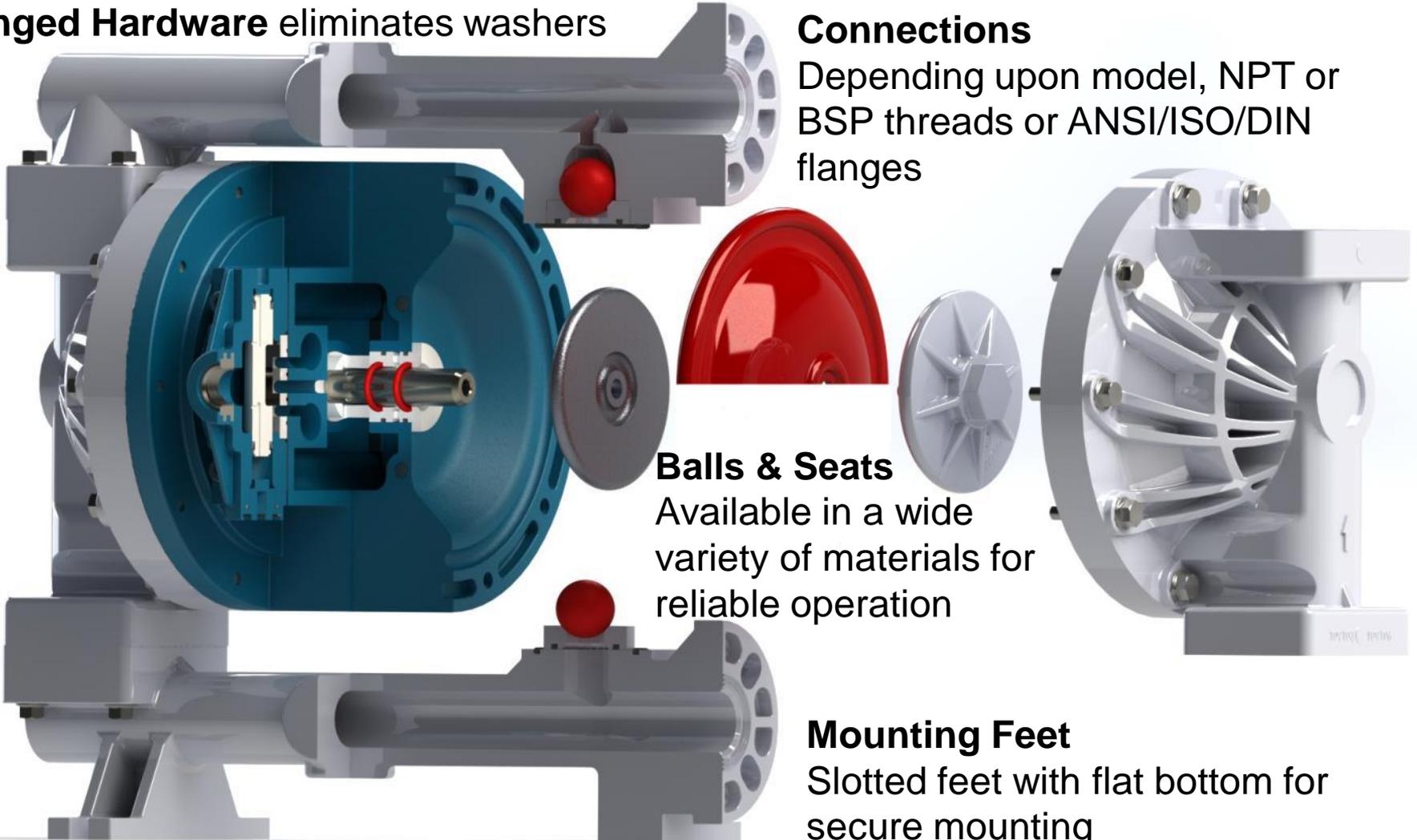
Depending upon model, NPT or BSP threads or ANSI/ISO/DIN flanges

Balls & Seats

Available in a wide variety of materials for reliable operation

Mounting Feet

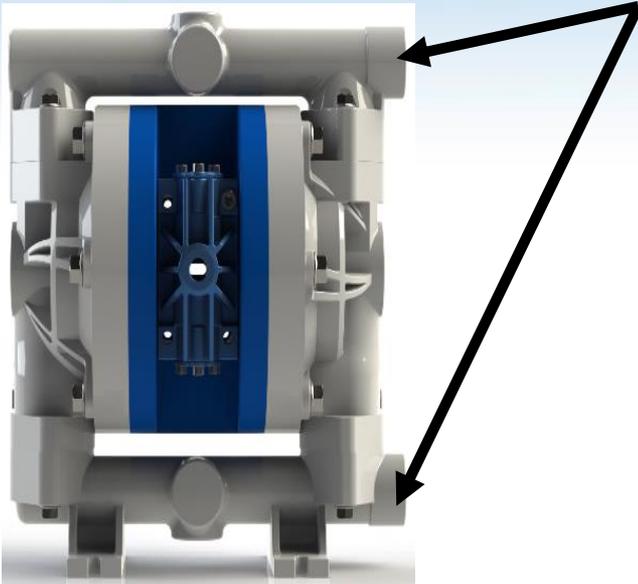
Slotted feet with flat bottom for secure mounting



Standard Port Orientation

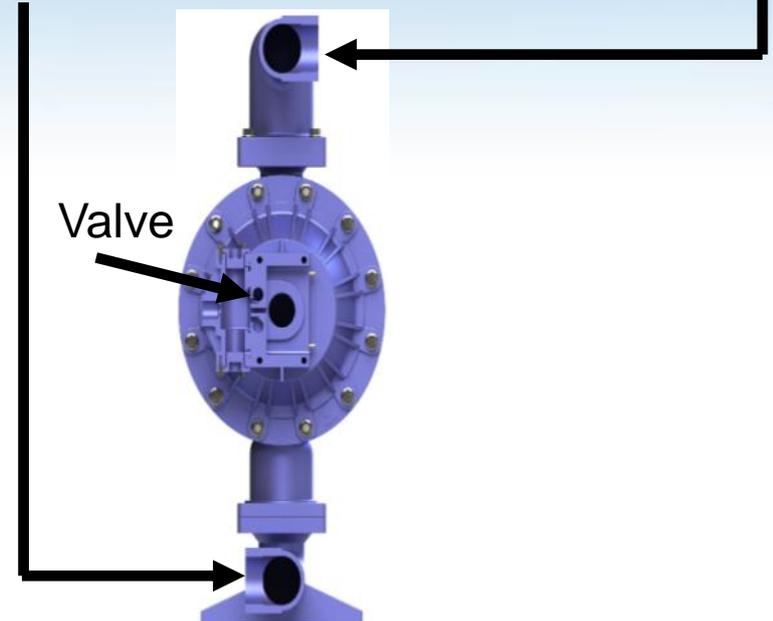
End Ported Pumps

- Facing same direction
- To the right when looking at valve



Center Ported Pumps

- Discharge towards muffler
- Suction towards valve



NOTE: Pumps selected with OPTIONAL center port location (pumps with standard end port) will have discharge towards muffler and suction towards valve.



Model FT05 Metallic Pumps

Specifications

Wetted Materials	Aluminum, 316 SS
Suction & Discharge Size	1/2" x 1/2"
Standard Porting Location	End
Connection Types	NPT, BSP
Air Inlet & Exhaust Size	1/4" FNPT x 1/2" FNPT

Capabilities

Max Flow	20 gpm (77 lpm)
Max Air Supply Pressure	120 psi (8.3 bar)
Displacement/Stroke	0.02 gal (0.08 lit)
Min. Air Inlet Pressure	10 psi (0.7 bar)
Max Particle Size	0.19 in (4.7 mm)
Sound Pressure	72.1 dB(A)



Note: Aluminum pumps are powder coated



Model FT05 Non-Metallic Pumps

Specifications

Wetted Materials	Polypropylene, PVDF
Suction & Discharge Size	1/2" x 1/2"
Standard Porting Location	End
Connection Types	FNPT, FBSP
Air Inlet & Exhaust Size	1/4" FNPT x 1/2" FNPT

Capabilities

Max Flow	20 gpm (77 lpm)
Max Air Supply Pressure	100 psi (6.9 bar)
Displacement/Stroke	0.02 gal (0.08 lit)
Min. Air Inlet Pressure	10 psi (0.7 bar)
Max Particle Size	0.19 in (4.7 mm)
Sound Pressure	72.1 dB(A)





Model FT05 Pumps

Connection Options

Standard = End Port

1/2" FNPT or 1/2" FBSP

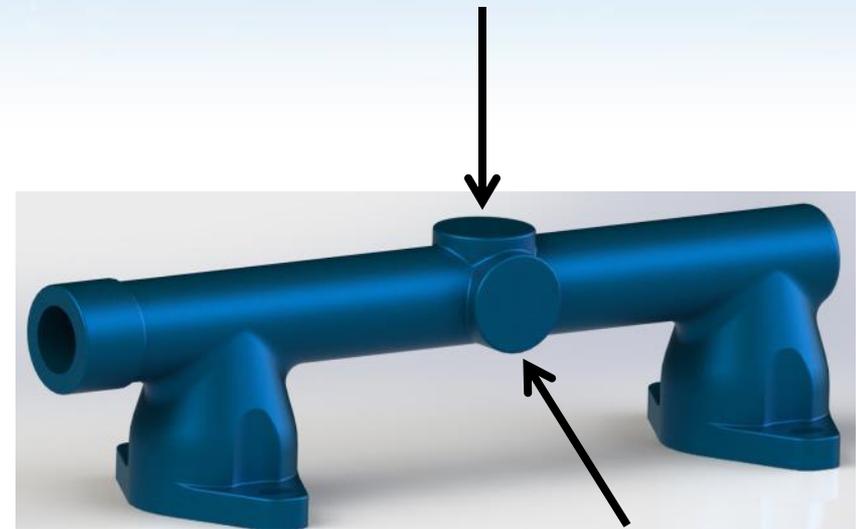


Stainless parts will have both the standard and center horizontal drilled and tapped as received, one will be plugged prior to shipping.

Optional Locations

- Center Horizontal
- Center Vertical

1/2" FNPT or 1/2" FBSP





Model FT10 Non-Metallic Pumps



Specifications

Wetted Materials	Polypropylene, PVDF
Suction & Discharge Size	1" x 1"
Standard Porting Location	End
Connection Types	ANSI/DIN/ISO Flange
Air Inlet & Exhaust Size	½" FNPT x ½" FNPT

Capabilities

Max Flow	54 gpm (204 lpm)
Max Air Supply Pressure	100 psi (6.9 bar)
Displacement/Stroke	0.05 gal (0.19 lit)
Min. Air Inlet Pressure	10 psi (0.7 bar)
Max Particle Size	0.25 in (6.4 mm)
Sound Pressure	73.6 dB(A)



Model FT10 Non-Metallic Pump Connection Options

Standard = End Port
1" ANSI/DIN/ISO Flange

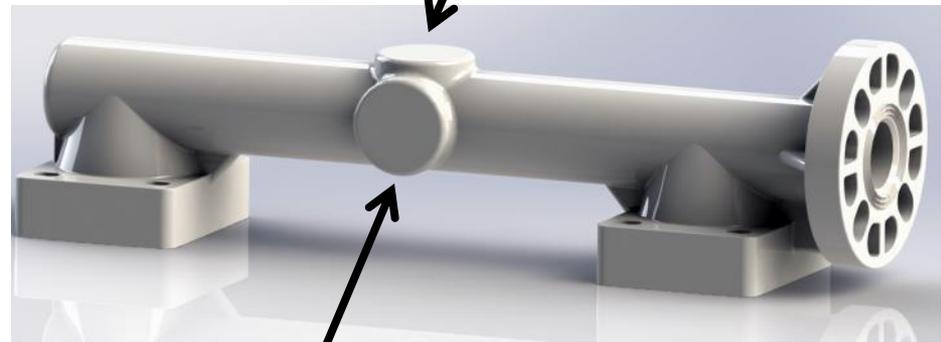
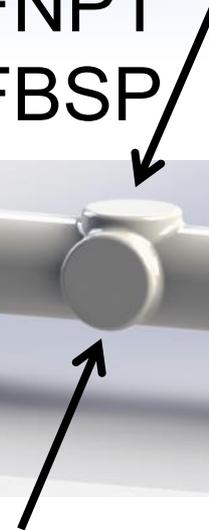


Optional Locations

- Center Horizontal
- Center Vertical

Optional Connection

- 1" FNPT
- 1" FBSP





Model FT10 Metallic Pumps

Specifications

Wetted Materials	Aluminum, 316 SS
Suction & Discharge Size	1" x 1"
Standard Porting Location	End
Connection Types	FNPT, FBSP
Air Inlet & Exhaust Size	1/2" FNPT x 1/2" FNPT

Capabilities

Max Flow	56 gpm (212 lpm)
Max Air Supply Pressure	120 psi (8.3 bar)
Displacement/Stroke	0.05 gal (0.19 lit)
Min. Air Inlet Pressure	10 psi (0.7 bar)
Max Particle Size	0.25 in (6.4 mm)
Sound Pressure	73.6 dB(A)

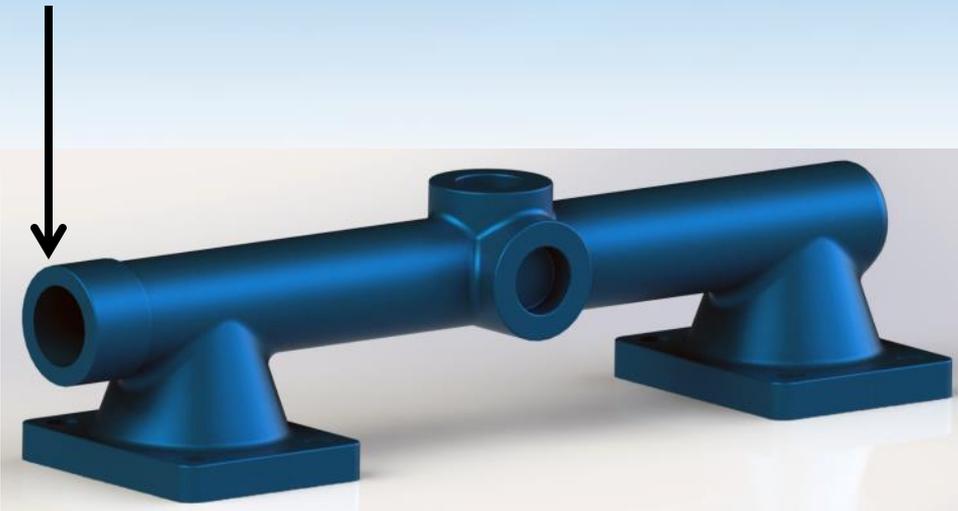


Note: Aluminum pumps are powder coated



Model FT10 Metallic Pump Connection Options

Standard = End Port
1" FNPT or 1" FBSPT



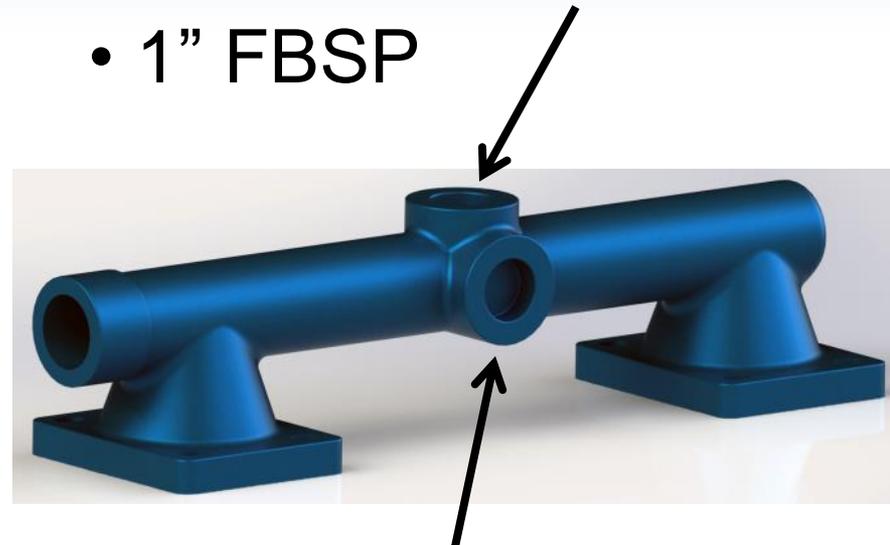
Stainless parts will have both the standard and center horizontal drilled and tapped as received, one will be plugged prior to shipping.

Optional Locations

- Center Horizontal
- Center Vertical

Optional Connection

- 1" FNPT
- 1" FBSP





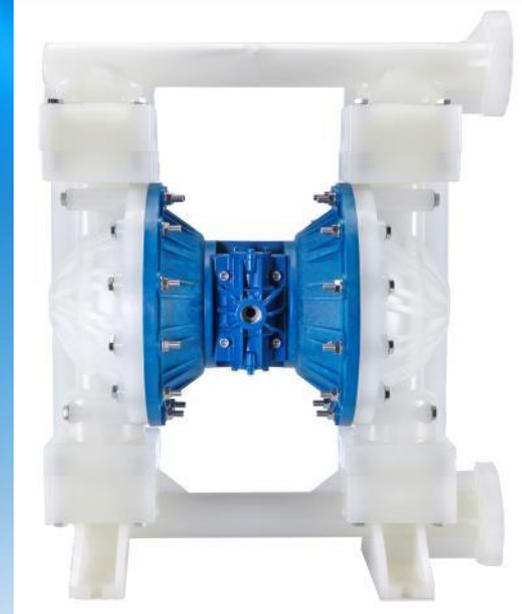
Model FT15 Non-Metallic Pumps

Specifications

Wetted Materials	Polypropylene, PVDF
Suction & Discharge Size	1.5" x 1.5"
Standard Porting Location	End
Connection Types	ANSI/DIN/ISO Flange
Air Inlet & Exhaust Size	3/4" FNPT x 3/4" FNPT

Capabilities

Max Flow	125 gpm (473 lpm)
Max Air Supply Pressure	100 psi (6.9 bar)
Displacement/Stroke	0.31 gal (1.2 lit)
Min. Air Inlet Pressure	10 psi (0.7 bar)
Max Particle Size	0.35 in (8.9 mm)
Sound Pressure	77 dB(A)





Model FT15 Non- Metallic Pump Connection Options

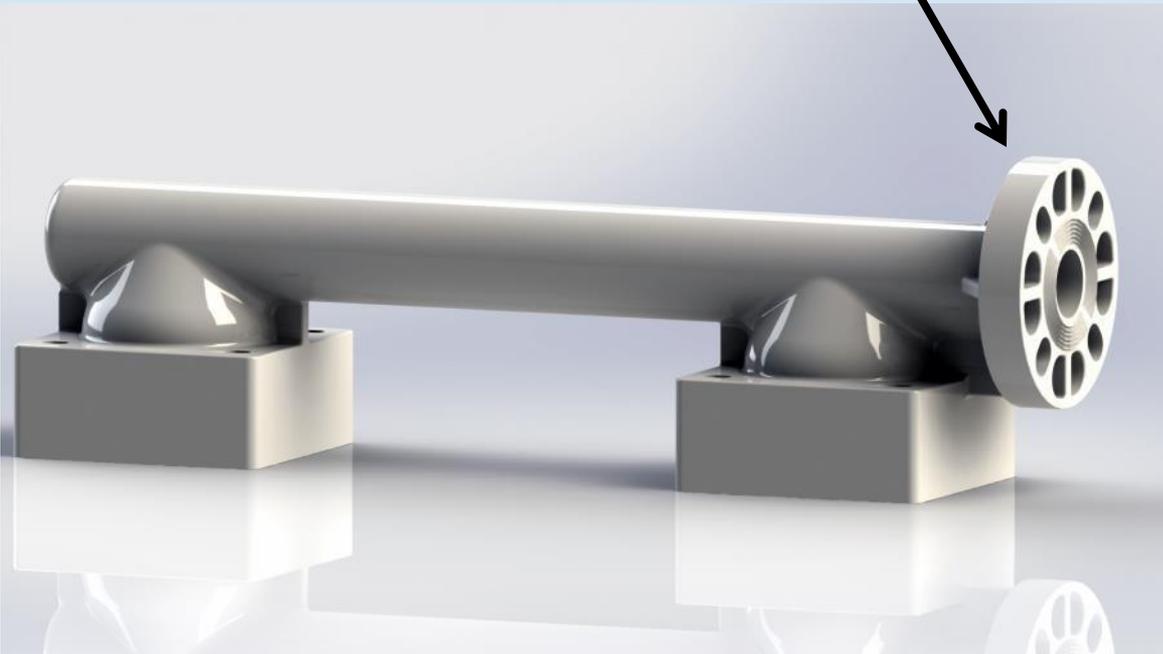
Standard = End Port
1.5" ANSI/DIN/ISO Flange

Optional Locations

- None

Optional Connection

- None





Model FT15 Metallic Pumps

Specifications

Wetted Materials	Aluminum, 316 SS
Suction & Discharge Size	1.5" x 1.5"
Standard Porting Location	End
Connection Types	FNPT, FBSP
Air Inlet & Exhaust Size	3/4" FNPT X 3/4" FNPT

Capabilities

Max Flow	132 gpm (500 lpm)
Max Air Supply Pressure	120 psi (8.3 bar)
Displacement/Stroke	0.31 gal (1.2 lit)
Min. Air Inlet Pressure	10 psi (0.7 bar)
Max Particle Size	0.35 in (8.9 mm)
Sound Pressure	77 dB(A)



Note: Aluminum pumps are powder coated



Model FT15 Metallic Pump Connection Options

Standard = Center Port

2" FNPT

2" FBSPT



Optional Locations

- None

Optional Connection

- Aluminum = None
- Stainless Steel =
1.5" ANSI/DIN/ISO Flange

Flange is two piece Vanstone style





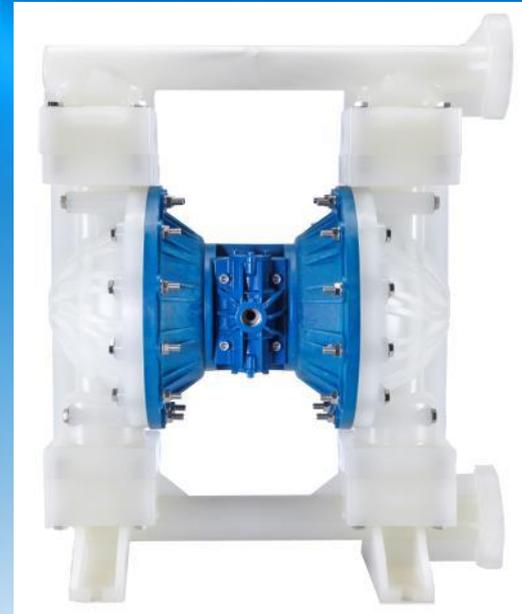
Model FT20 Non-Metallic Pumps

Specifications

Wetted Materials	Polypropylene, PVDF
Suction & Discharge Size	2" x 2"
Standard Porting Location	End
Connection Types	ANSI/DIN/ISO Flange
Air Inlet & Exhaust Size	3/4" FNPT x 3/4" FNPT

Capabilities

Max Flow	154 gpm (583 lpm)
Max Air Supply Pressure	100 psi (6.9 bar)
Displacement/Stroke	0.31 gal (1.2 lit)
Min. Air Inlet Pressure	10 psi (0.7 bar)
Max Particle Size	0.35 in (8.9 mm)
Sound Pressure	77 dB(A)





Model FT20 Non- Metallic Pump Connection Options

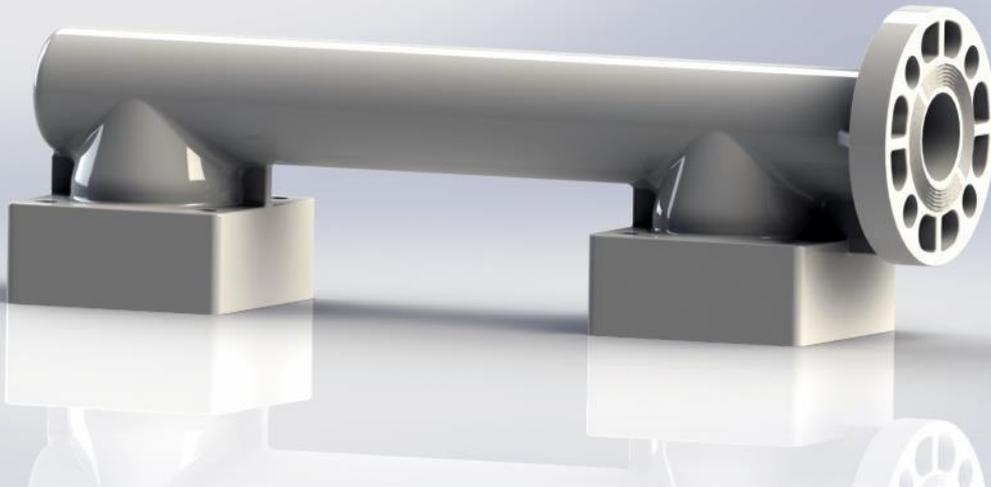
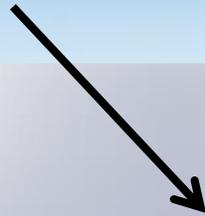
Standard = End Port
2" ANSI/DIN/ISO Flange

Optional Locations

- None

Optional Connection

- None





Model FT20 Metallic Pumps

Specifications

Wetted Materials	Aluminum, 316 SS
Suction & Discharge Size	2" x 2"
Standard Porting Location	End
Connection Types	FNPT, FBSP
Air Inlet & Exhaust Size	3/4" FNPT X 3/4" FNPT

Capabilities

Max Flow	156 gpm (590 lpm)
Max Air Supply Pressure	120 psi (8.3 bar)
Displacement/Stroke	0.31 gal (1.2 lit)
Min. Air Inlet Pressure	10 psi (0.7 bar)
Max Particle Size	0.35 in (8.9 mm)
Sound Pressure	77 dB(A)



Note: Aluminum pumps are powder coated



Model FT20 Metallic Pump Connection Options

Standard = Center Port

2" FNPT

2" FBSPT



Optional Locations

- None

Optional Connection

- Aluminum = None
- Stainless Steel =
2" ANSI/DIN/ISO Flange

Flange is two piece Vanstone style



Material Temperature Chart

Material	Chemical Composition	Description	Operating Temp ° F (°C)	
			Min.	Max.
Polypropylene	Pure Polypropylene	Thermoplastic that is resistant to alkali and strong acids.	32°F (0°C)	158°F (70°C)
PVDF	Pure Polyvinylidene Fluoride	Strong fluoropolymer with excellent chemical resistance.	10°F (-12°C)	220°F (104°C)
Stainless Steel	316 Stainless Steel	Excellent chemical resistance, high tensile and impact strength, abrasion resistant.	Limited by other materials used	
Aluminum	ADC 12, LM24, LM25	Moderate chemical resistance with good impact strength and abrasion resistance.	Limited by other materials used	
Buna	Acrylonitrile-butadiene Rubber	General purpose elastomer. Resistant to oil, water, solvent, and hydraulic fluid.	10°F (-12°C)	190°F (88°C)
EPDM	Ethylene Propylene Diene Rubber	Good resistance to mild acids, detergents, alkalis, ketones, and alcohols.	-40°F (-40°C)	250°F (121°C)
FKM	Fluorocarbon Rubber	Good chemical resistance and high temperature properties. Resistant to most acids, aliphatic, aromatic, and halogenated hydrocarbons, oils, grease, and fuels.	-40°F (-40°C)	350°F (177°C)
Neoprene	Chloroprene Rubber	General purpose elastomer with good resistance to moderate chemicals, oils, grease, solvents, and some refrigerants.	0°F (-18°C)	212°F (100°C)
Santoprene™	Fully cured EPDM rubber particles encapsulated in a polypropylene (PP) matrix	Thermoplastic elastomer with good abrasion resistance with chemical resistance to a wide range of solvents and chemicals. Injection molded with no fabric layer.	-40°F (-40°C)	225°F (107°C)
Hytrel®	Thermoplastic polyester elastomer	Combines resistance and flexibility of elastomers with the strength of plastics. Resistant to acids, bases, amines, and glycols. Injection molded with no fabric layer.	-20°F (-29°C)	220°F (104°C)
Polyurethane	Polyester Urethane	Thermoplastic that exhibits excellent abrasion resistance. Injection molded with no fabric layer.	32°F (0°C)	150°F (66°C)
PTFE	Polytetrafluoroethylene	Chemically inert. Resistant to a wide range of chemicals.	40°F (4°C)	225°F (107°C)
FEP	Fluorinated Ethylene Propylene	Similar to PTFE in composition and chemical resistance. Used to encapsulate FKM o-rings for superior chemical resistance.	40°F (4°C)	225°F (107°C)



Pump Matrix

PART #	FT	XX	X	-	X	X	-	X	X	X	-	X	X	-	X
	Series	Pump Size	Wetted Material		Non-wetted Material	Air Valve Material		Diaphragm Material	Check Valve Ball	Check Valve Seat	Seat O-ring		Connection	Porting Location	Specials

Series

FT - Pump End
FW - Wet End

Pump Size

05 - 1/2"	20 - 2"
10 - 1"	30 - 3"
15 - 1.5"	

Wetted Materials

P - Polypropylene	A - Aluminum
V - PVDF	S - 316SS

Non-wetted Materials

P - Polypropylene	A - Aluminum
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Air Valve Materials

A - Aluminum	P - GFRPP
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Diaphragm Materials

N - Neoprene	H - Hytrel
B - Buna-N	U - Polyurethane
E - EPDM	1 - PTFE/Neoprene
F - FKM	2 - PTFE/Santoprene
R - Santoprene	

Check Valve Ball Materials

N - Neoprene	F - FKM
B - Buna-N	R - Santoprene
E - EPDM	T - PTFE

Check Valve Seat Materials

A - Aluminum	B - Buna-N
S - 316SS	E - EPDM
P - Polypropylene	F - FKM
V - PVDF	R - Santoprene
T - PTFE	H - Hytrel
N - Neoprene	U - Polyurethane

Check Valve Seat O-Ring Materials

N - Neoprene	T - PTFE
B - Buna-N	U - Polyurethane
E - EPDM	C - FEP/FKM
F - FKM	0 - None

Connection

N - FNPT	F - ANSI/DIN flange
B - FBSP	1 - Center port threaded

Porting location

- 1 - End (standard)
- 2 - Center horizontal
- 3 - Center vertical

Specials

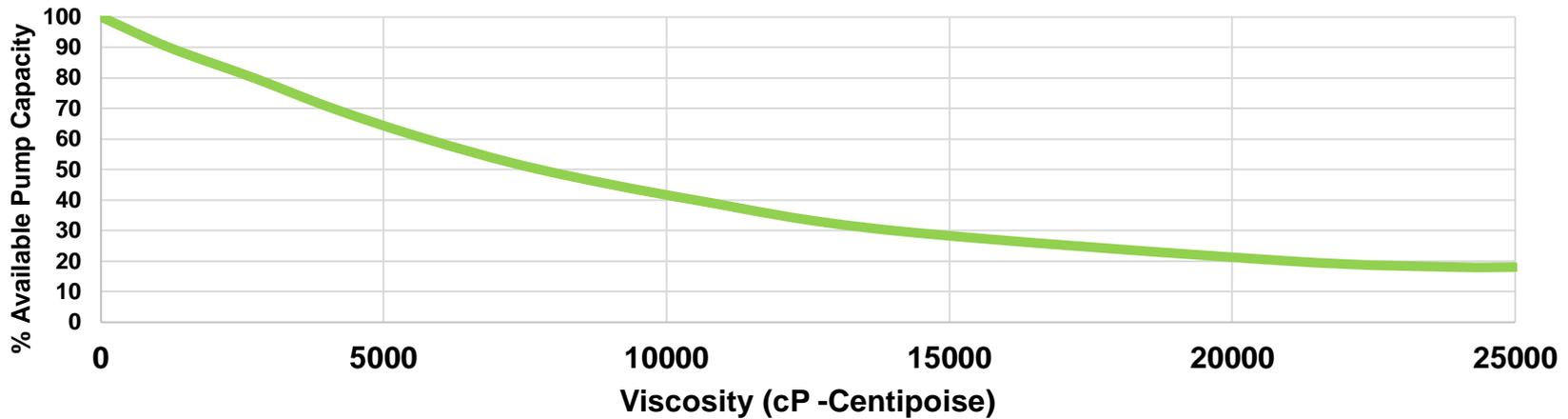
A - ATEX/HAZLOC



Viscosity chart with example

All capacity curves are based on viscosity of water (1 cP). An adjustment must be made when pumping viscous media. Viscous media reduces capacity and increases pipe friction. Use the chart below to adjust the pumping capacity.

Viscosity Correction Curve



Example: 2" pump maximum flow on water = 156 gpm (590 lpm)

Adjusted flow for 25,000 cP fluid = 156 gpm (590 lpm) X .2 = 31.2 gpm (118 lpm)



ATEX – Hazardous Location

- Aluminum and stainless steel models are ATEX certified for **II 2GD c IIB TX**
- ATEX models include conductive muffler plate, metal muffler and grounding lug
- All models 1/2"/13mm through 2"/51mm can use any of the available diaphragm materials
- ATEX models are also suitable for use in hazardous locations in non-European Union countries
- Use "A" in "Specials" code in pump matrix part number system and add price adder for ATEX/HazLoc option
- Optional six foot (183 cm) ground wire assembly is also available as an accessory





Accessories

Filter/Regulator

Compact, integrated design saves space and reduces piping, includes dual scale psi/MPa gage. Filters incoming air to five microns. Regulator adjusts air pressure from 7.3 to 120 psig (.5 to 8.3 Bar).



AODDampener

AODDampener is unique pulsation dampener manufactured from 316L stainless steel with PTFE backed diaphragm, has fully automatic air control and handles a wide variety of applications.



Pulsation Dampeners

Removes virtually all hydraulic shock while producing a near steady flow of fluid. Protects piping, valves and fittings from destructive pulsations and surges. Available in a wide range of materials of construction.



SPILLSTOP

Fully pneumatic system safely captures leaked product due to diaphragm failure and automatically shuts down failed pumps to eliminate costly product loss and prevent hazardous spills.





Applications

Mining

- Dewatering above and below ground sites and quarries
- Abrasive slurries and sludge mixtures
- Dosing Reagents
- Transfer solvents for separating minerals from ore
- Transfer fuels for vehicles and equipment
- Can operate in classified/hazardous areas





Applications

Coatings

- Transferring, dispensing and dosing paint, ink and dyes
- Can pump low to very viscous solutions
- Feed pump for spray guns
- Flush/clean paint lines with solvents
- When low shear / gentle fluid transfer is desired





Applications

Ceramics

- Highly abrasive slurries
- Ceramic slips
- Day tank transfer
- Filling molds
- Circulate ceramic slurry
- Waste water





Applications

Chemical Manufacturing and Distribution

- Excellent chemical resistance with corrosive/hazardous chemicals
- Loading and unloading tankers, totes and barrels
- Can pump low to very viscous solutions
- Use for portable utility pump
- Use for batching/dosing chemicals





Applications

Electroplating and Anodizing

- Replenish chemicals in plating and metal finishing tanks
- Agitate cleaning solutions
- Circulation of liquid to avoid sedimentation
- Filtration ...when critical purification is required for high quality parts
- Offload corrosive, solid laden waste





Applications

Pulp and Paper

- Printing inks
- Glues
- Kaolin clay
- Bulk transfer
- Resins
- Dispersions





Applications

Oil and Gas

- Can operate in classified/hazardous areas
- Settling pond transfer
- Oils and glycol transfer
- Sumps
- Filter press
- Bulk transfer





Applications

Water / Waste Water Treatment

- Transferring solid laden media
- Filter press
- Sumps
- Utility





Marketing Materials

Website is www.ftiair.com

- Comprehensive site with a modern look and feel
- “Sticky” navigation keeps header in view as user scrolls down the page
- Responsive design is mobile device friendly
- Site is loaded with technical information including brochure, tech fliers, manuals and drawings

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FTI AIR

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Explore The Change

Change Is In the Air....FTI Air is a division of Finish Thompson, established in 1951, FTI is a leading designer and manufacturer of chemical transfer pumps. Our Air Operated Double Diaphragm pumps are the product of hard work by our team of skilled associates. From engineering to manufacturing, assembly and shipping our reputation for dedication to detail and quality is known worldwide. FTI Air products are designed by experts in the transfer of the most corrosive fluids operating in demanding environments. They have created a line of products that are high quality, rugged and extremely reliable. All backed by a five year warranty and our outstanding reputation world-class customer service.

AIR VALVE DESIGN

HOW IT WORKS

INSTALLATION



Marketing Materials

Brochure

Contains information on:

- Benefits of AODD pumps
- FTI Air pump design
- Exploded view
- How it works
- Installation options
- Pump model data pages
- Pump part number matrix
- Viscosity adjustment curve
- Material temperature chart
- Accessories





Marketing Materials

Tech Fliers

Contains:

- Product photo
- Specifications
- Capabilities
- Performance curve
- Material options
- Weight and dimensions
- Dimensional drawing

Model FT15 Non-Metallic AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Specifications

Section & Discharge Size:	1.5" x 1.5"
Porting Location:	End
Connection Type:	ANSI/ISO Flange
Air Inlet & Air Exhaust Size:	3/4" NPT x 3/4" NPT

Capabilities

Maximum Flow Rate:	125 gpm (473 lpm)
Maximum Air Supply Pressure:	100 psig (6.9 barg)
Displacement Per Stroke:	0.71 gal (2.7 ltr)
Minimum Air Inlet Pressure:	10 psig (0.7 barg)
Maximum Particle Size:	0.25 in (6.3 mm)
Seal Pressure:	27 dBA
Operating Temperature:	Determined by elastomers

FT15 Performance

Typical Applications

- Acids & Bases
- Plating Solutions
- Wastewater
- Paints, Inks, Solvents
- Chemical Slurries and Gases
- Lubricants and Oils

Typical Industries

- Mining
- Pulp and Cellulose
- Chemicals
- Poly and Paper
- Electroplating & Anodizing
- Wastewater
- Marine
- Chemical Manufacturing and Distribution
- O&G

Note: All double diaphragm pumps perform to be equal for all viscosities.



Marketing Materials

- Price List

- Manuals

- Chemical Resistance Guide

The information in this chart is to be used only as a guide. FTI does not warrant (neither express or implied) that the information in this chart is accurate or complete. If a number is in a cell that is the maximum temperature for that material in degrees Fahrenheit.

Key:

A = Excellent

B = Good

C = Fair

X = Not Recommended

ND = No Data Available



Chemical Name	Aluminum	316SS	Polypropylene	PVDF	Neprene	Buna	Santoprene	Hytrel	FKM	EPDM	PTFE	Polyurethane
Acetamide	A	A	A/125	A	B	C	A	ND	A	A	A	X
Acetic Acid, 10%	B	A	A	A	C	C	C	A	X	A	A	C
Acetic Acid, 20%	B	A	A	A	C	C	C	A	X	A	A	C
Acetic Acid, 50%	X	A	B	A	C	C	C	A	X	A	A	C
Acetic Acid, 80%	C	A	B	A	C	C	C	A	X	A	A	X
Acetic Acid, Glacial	B	A	C	B	X	X	C	A	X	B	A	X
Acetone	B	A	X	X	X	X	B	C	X	A	A	X
(Methylcyanide)	A	A	C	B	C	X	A	A/70	X	A	A	B
Acetylene	A	A	X	A	C	X	C	A	A	A	A	X
(Propenoic Acid)	A	B	A/70	A	ND	ND	A	ND	X	A	A	X
Acrylonitrile	A	A	B	A	X	X	B	ND	X	X	A	X
Alcohol, Butyl	C	A	A	A	C	A	C	C	A	A	A	X
Alcohol, Butyl, Secondary	C	A	A	A	C	A	C	C	C	C	A	X
Alcohol, Ethyl	B	A	A	A	C	A	C	C	C	A	A	X
Alcohol, Isopropyl	B	A	A	A	C	B	B	C	A	A	A	X
Alcohol, Methyl (Isopropyl Alcohol)	B	A	A	A	C	A	C	C	X	A	A	X
Alcohols	C	A	A	A	C	B	ND	C	C	C	A	ND
Aluminum Acetate	A	C	A/100	A	C	B	A	ND	X	A	A	X
Aluminum Chloride, 1%	X	C	A	A	A	A	A/70	B	A	A	A	B
Aluminum Chloride, 5%	X	X	A	A	A	A	ND	C	A	A	A	X
Aluminum Chloride, 20%	X	X	A	A	A	A	A	B	A	A	A	C
Aluminum Chloride, 40%	X	X	A	A	A	A	ND	B	A	A	A	X
Aluminum Chloride, 100%	X	B	A	A	A	A	A	B	A	A	A	B
Aluminum Potassium Sulfate	C	A	A	A	A	A	A	ND	A	A	A	X



Contact Information

Questions?

Contact your regional manager or FTI Air inside sales.

**Finish Thompson Inc.
Headquarters**

921 Greengarden Road
Erie, PA 16501 USA
Phone: 814-455-4478
Fax: 814-455-8518
Email: fti@finishthompson.com

**Finish Thompson GmbH
Europe Center**

Otto-Hahn-Strasse 16
Maintal, D-63477 Germany
Phone: 49(0)6181-90878-0
Fax: 49(0)6181-90878-18
Email: europecenter@finishthompson.com

