



Model FPD10A-XXX-XXX

AIR OPERATED DOUBLE DIAPHRAGM PUMPS

Specifications

Suction & Discharge Size: 1" FNPT x 1" NPT

Porting Location: Center / End

Connection Types: NPT/BSP

Air Inlet: 1/4" FNPT

Exhaust port: 3/4" FNPT

Santoprene, Hytrel, or PTFE balls and diaphragms

Aluminum Shipping Weight : 16 lbs. (9.3 Kg)

Capabilities

Maximum Flow Rate: 52.2 gpm (197.6 lpm)

Maximum Air Supply Pressure: 120 psi (7 bar)

Displacement Per Stroke: 0.232 gal (0.88 lit)

Minimum Air Inlet Pressure: 10 psig (0.7 bar)

Maximum Particle Size : 0.125. in (3.3 mm)

Operating temperature: Determined by elastomers

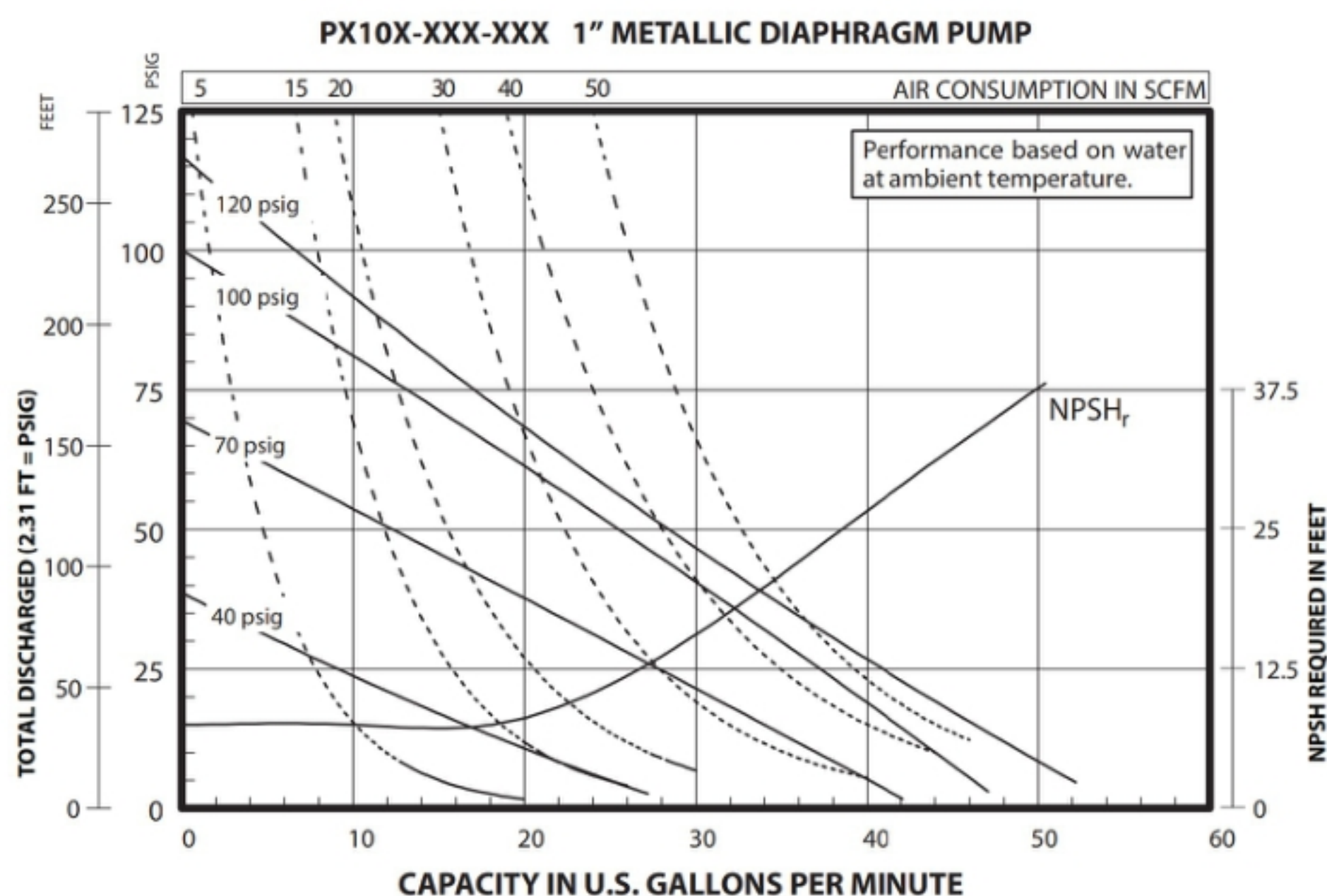
** Compatible with ARO Compact Classic Style model*

** Dimensionally interchangeable*

** Complete parts interchangeability*



FPD10A Performance



Typical Applications

- Acids & Bases
- Plating Solutions
- Paints, Inks, Solvents

Typical Industries

- Mining
- Paints and Coatings
- Ceramics
- Pulp and Paper
- Electroplating & Anodizing
- Wastewater
- Marine
- Chemical Manufacturing & Distribution
- OEM's

Construction

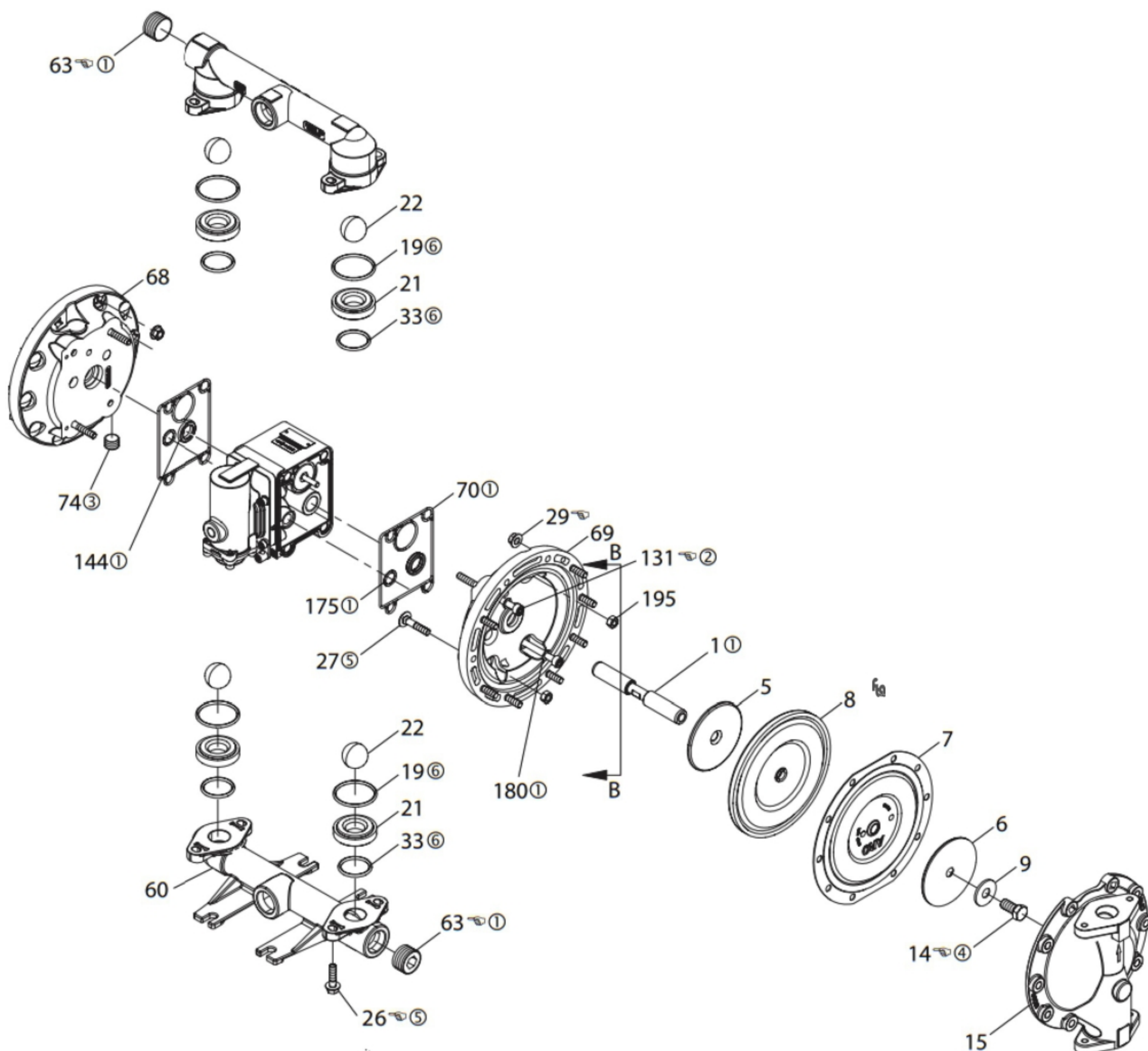
Wetted Materials:	Aluminum
Diaphragm Materials:	Neoprene, Santoprene™, FKM, EPDM, PTFE, Buna, Hytrel®,
Air Valve:	Aluminum
Ball Materials:	Neoprene, Buna, EPDM, FKM, Santoprene™, PTFE
Seat Materials:	Aluminum, 316SS, PTFE, Hytrel, Buna, Neoprene, EPDM, FKM, Santoprene™
O-ring Materials:	Neoprene, Buna, EPDM, FKM, PTFE, FEP/FKM

Santoprene™ is a registered tradename of Exxon Mobil Corp.

THE RIGHT CHOICE

Dimensions

Maximum Height:	12.43 in (315.70 mm)
Maximum Width:	12.34 in (313.40 mm)
Maximum Depth:	7.31 in (185.60 mm)



Part Number Model Codes

Model	Fluid Cap & Manifold	Seat Material	Ball Material	Diaphragm Material
FPD10A-AAP-AAA	A	A	A	A
FPD10A-AAP-STT	A	S	T	T

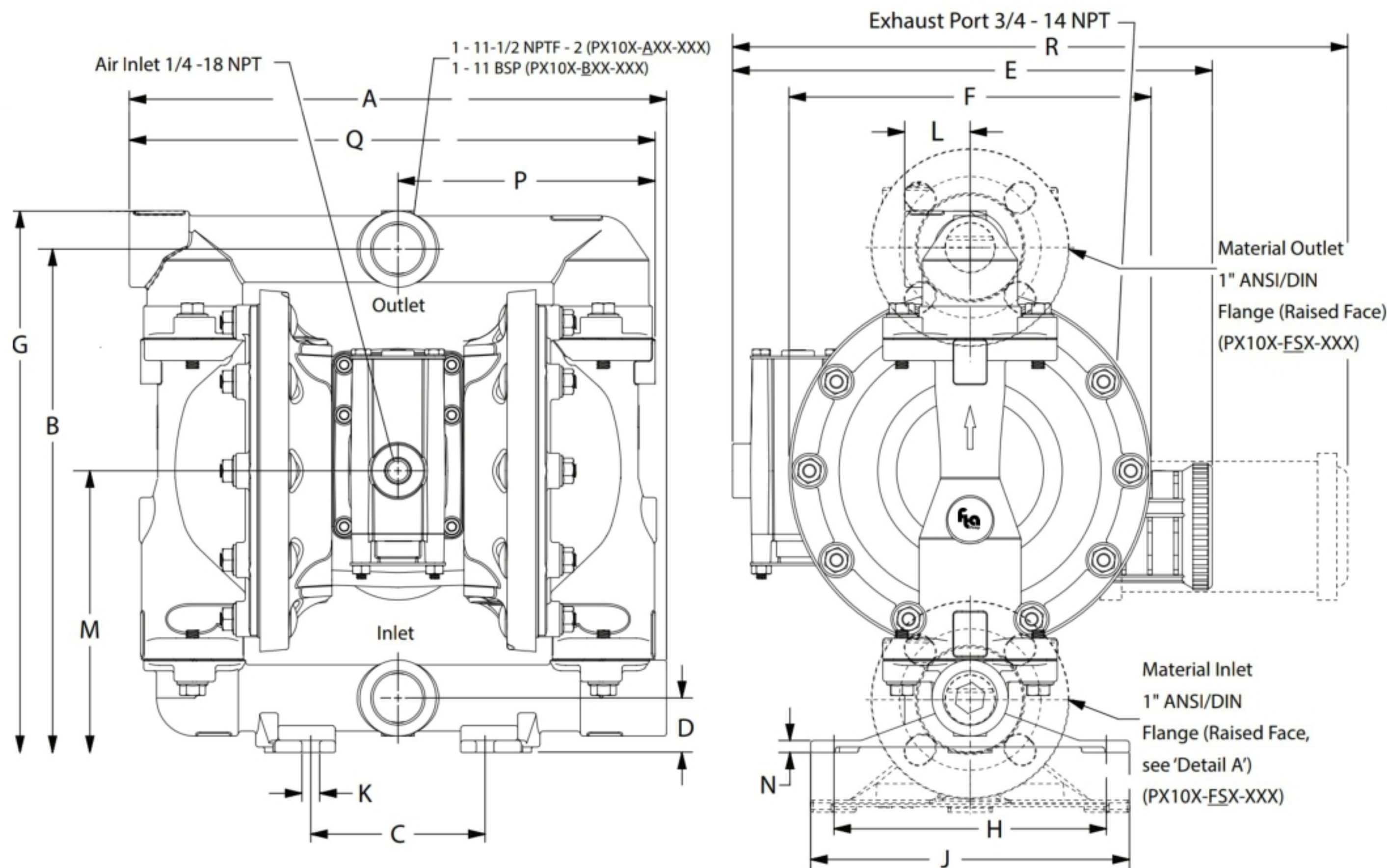
FTA Replacement Parts

ARO® Part No.	FTA Part No.	Description
637401-AAA	F637401-AAA	Wet End Kit, Santoprene®
6371401-TT	F637401-TT	Wet End Kit, PTFE
637395-3	F637395-3	Air End Kit



Reference Image

(Dimensions shown are for reference only, they are displayed in inches and millimeters (mm)).



FD10X Dimensions

E - see below	J - 7.31" (185.6 mm)	N - see below
F - see below	K - 0.4" (10.1 mm)	P - 5.84" (148.3 mm)
G - 12.43" (315.7 mm)	L - 1.5" (38.1 mm)	Q - 12" (304.8 mm)
H - 6.25" (158.7 mm)	M - 6.46" (164.0 mm)	R - see below



Temperature Range for Internal Materials

Material	Maximum	Minimum
Polypropylene	175°F (79° C)	35°F (2° C)
Santoprene®	225°F (107° C)	-40°F (-40° C)
PTFE	225°F (107° C)	40°F (4° C)

ARO® is a registered trademark of Ingersoll-Rand Company. FTA and its products are not affiliated with any of the original equipment manufacturers referenced herein. All original equipment manufacturers' names, colors, descriptions, and part numbers are used for identification purposes only.



USA

