

# SALES AND ENGINEERING DATA

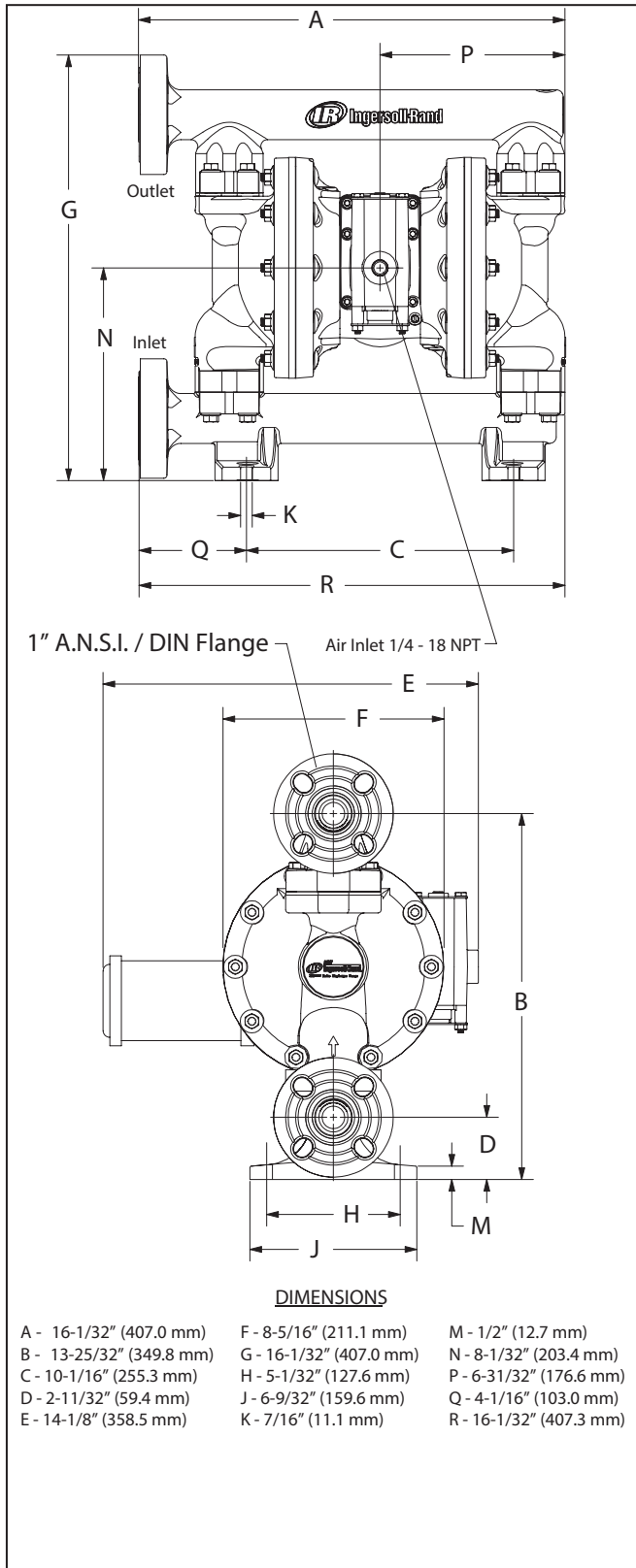
**PX10E-FES-XXX-AXXX**  
**PX10E-FNS-XXX-AXXX**

<b>RATIO SERIES:</b>	<b>1:1</b>
<b>FLUID PSI RANGE:</b>	<b>20 - 120</b>

**RELEASED:** 6-15-05  
**REVISED:** 5-25-19  
**(REV: G)** S-1371

## 1" CONDUCTIVE NON-METALLIC DIAPHRAGM PUMP

### DIMENSIONAL DATA



### SPECIFICATIONS

<b>Model Series</b> .....	PX10E-FXS-XXX
<b>Pump Type</b> .....	Non-Metallic, Air Operated, Double Diaphragm
<b>Ratio</b> .....	1:1
<b>Material Inlet / Outlet</b> .....	1" ANSI / DIN Flange
<b>Air Inlet</b> (female) .....	1/4 - 18 NPT
<b>Air Exhaust</b> (female) .....	3/4 - 14 NPT
<b>Weight</b>	
PX10E-FES-PXX .....	20.41 lbs (9.26 kgs)
PX10E-FNS-KXX .....	27.69 lbs (12.56 kgs)
<b>Air Section Service Kit</b> .....	637397
<b>Major Air Valve Assembly</b> .....	637395-X
<b>Fluid Section Service Kit</b> .....	637396-XX

**PX10E - FXS - X ~~XXX~~**  
**637396 - ~~XXX~~**

Diaphragm  
Ball

Example: Model # PD10E-FES-PAA  
 Fluid Section Service Kit is 637396-AA

### PERFORMANCE

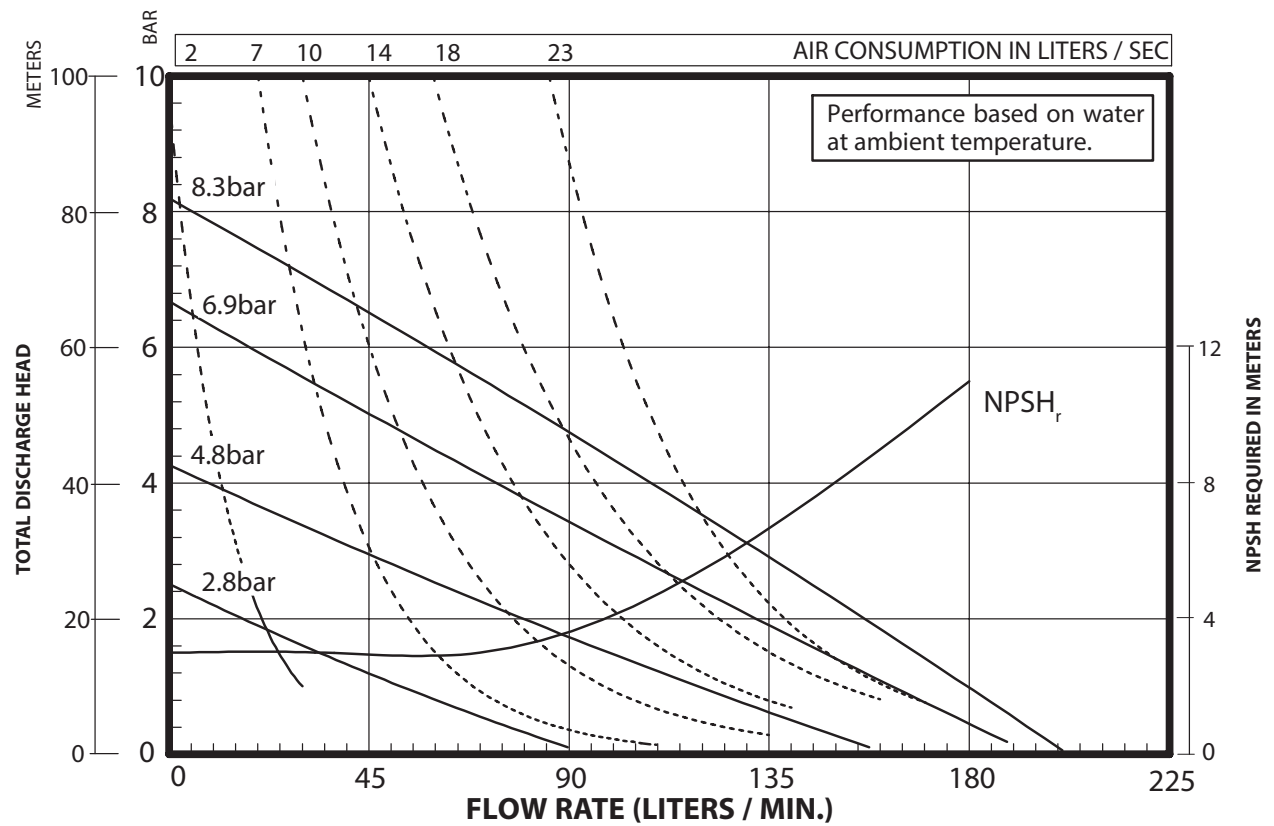
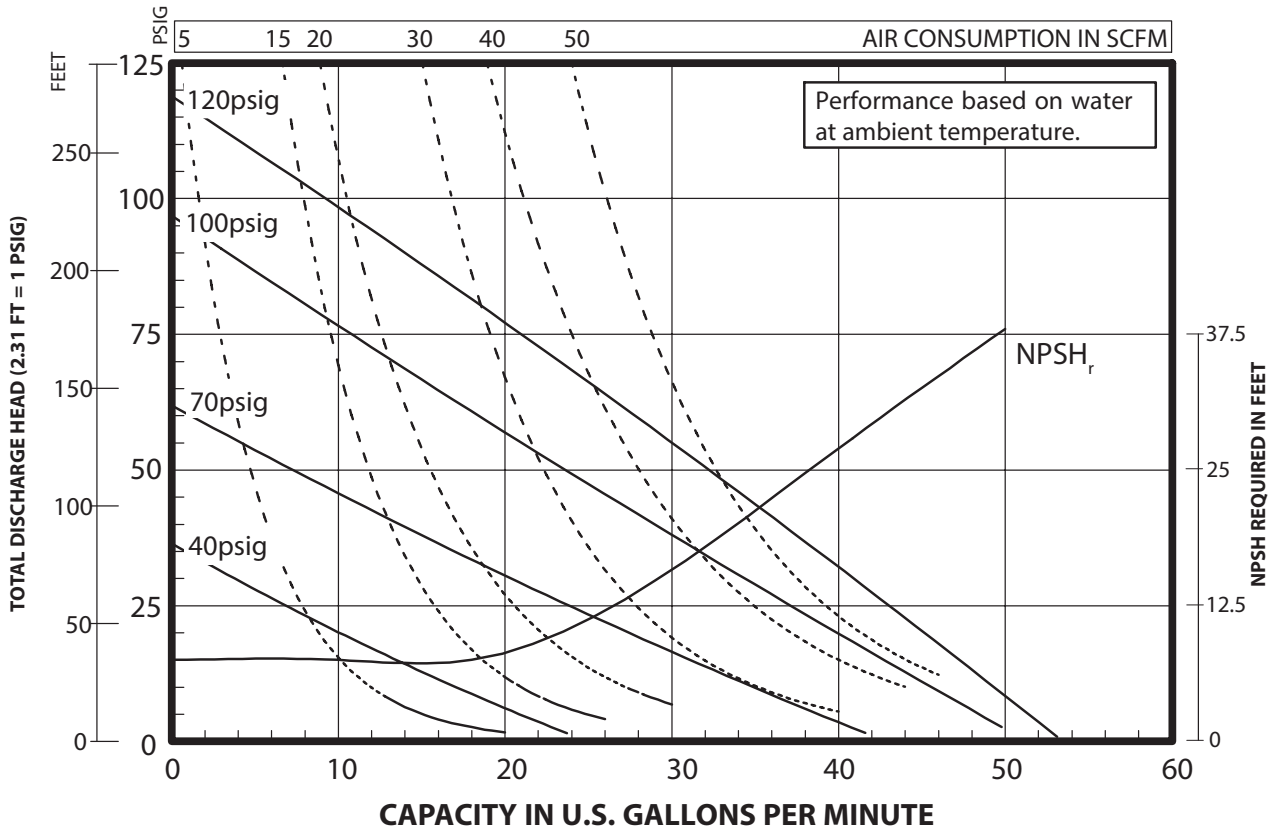
<b>Maximum Air Inlet Pressure</b> .....	120 psig (8.3 bar)
<b>Maximum Material Inlet Pressure</b> ..	10 psig (0.69 bar)
<b>Maximum Outlet Pressure</b> .....	120 psig (8.3 bar)
<b>Maximum Flow Rate</b> (flooded inlet) ..	53.0 gpm (200.6 lpm)
<b>Displacement / Cycle @ 100 psig</b> ..	0.226 gal (0.86 lit)
<b>Maximum Particle Size</b> .....	1/8" dia (3.2 mm)
<b>Maximum Temperature Limits</b> (diaphragm / ball / seal / seat material)	
E.P.R. / EPDM .....	-60° to 280° F (-51° to 138° C)
Hytrel® .....	-20° to 180° F (-29° to 82° C)
Nitrile .....	10° to 180° F (-12° to 82° C)
Polypropylene .....	32° to 175° F (0° to 79° C)
PVDF (Kynar®) .....	10° to 200° F (-12° to 93° C)
Santoprene® .....	-40° to 225° F (-40° to 107° C)
PTFE .....	40° to 225° F (4° to 107° C)
Viton® .....	-40° to 350° F (-40° to 177° C)
<b>Noise Level @ 70 psig, 60 cpm</b> .....	79.7 dB(A)①

① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LA<sub>eq</sub>) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROPS 5.1 using four microphone locations.



PERFORMANCE CURVES

PX10E-FXS-XXX 1" CONDUCTIVE NON-METALLIC DIAPHRAGM PUMP



NOTE: Performance tested with 95845 Diaphragm Check Valve.

PX10E-FES-XXX-AXXX/ PX10E-FNS-XXX-AXXX



PUMP SUPPLY INCORPORATED