

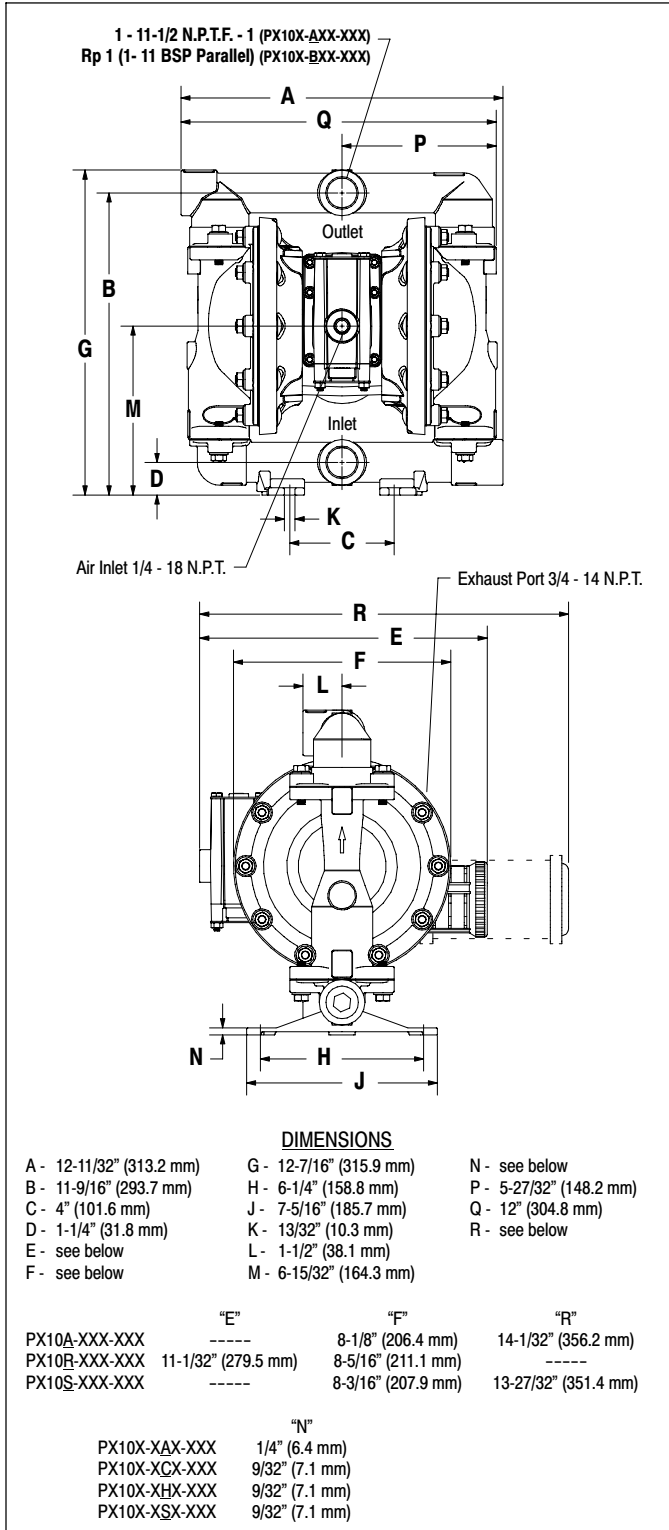
# SALES & ENGINEERING DATA

## PD10X-XXX-XXX and PE10X-XXX-XXX 1" METALLIC DIAPHRAGM PUMP

RATIO SERIES:	1:1
FLUID P.S.I. RANGE:	20 - 120

RELEASED: 4-13-04  
 REVISED: 7-1-06  
 (REV. 04) S-1305

### DIMENSIONAL DATA



### SPECIFICATIONS

#### CONSTRUCTION

<b>Model Series</b> .....	PD10X-XXX-XXX PE10X-XXX-XXX
<b>Pump Type</b> .....	Metallic, Air Operated, Double Diaphragm
<b>Ratio</b> .....	1:1
<b>Material Inlet / Outlet</b>	
PX10X-AXX-XXX (female) .....	1 - 11-1/2 N.P.T.F. - 1
PX10X-BXX-XXX (female) .....	Rp 1 (1 - 11 BSP Parallel)
<b>Air Inlet (female)</b> .....	1/4 - 18 N.P.T.
<b>Air Exhaust (female)</b> .....	3/4 - 14 N.P.T.
<b>Weight</b> . . . . .	
PX10R-XAX-XXX .....	20.65 lbs (9.37 kgs)
PX10R-XCX-XXX .....	35.2 lbs (16.0 kgs)
PX10R-XHX-XXX .....	39.6 lbs (18.0 kgs)
PX10R-XSX-XXX .....	38.2 lbs (17.3 kgs)
	add 4.65 lbs (2.21 kg) for Aluminum air motor section
	add 11.09 lbs (5.03 kg) for Stainless Steel air motor section
<b>Air Section Service Kit</b> .....	637397
<b>Major Air Valve Assembly</b>	
PD10A-XXX-XXX .....	637395-3
PD10R-XXX-XXX .....	637395-1
PD10S-XXX-XXX .....	637395-5
PE10A-XXX-XXX .....	637395-4
PE10R-XXX-XXX .....	637395-2
PE10S-XXX-XXX .....	637395-6
<b>Fluid Section Service Kit</b> .....	637401-XX

**PX10X-XXX-X**    
**637401 -**    
 Diaphragm Material  
 Ball Material

EXAMPLE: Model # PD10A-ASP-AAA  
 Fluid Section Service Kit is 637401-AA

#### PERFORMANCE

<b>Air Inlet Pressure Range</b> .....	20 - 120 p.s.i. (1.4 - 8.3 bar)
<b>Maximum Material Inlet Pressure</b> ..	10 p.s.i. (0.69 bar)
<b>Fluid Pressure Range</b> .....	20 - 120 p.s.i. (1.4 - 8.3 bar)
<b>Maximum Flow Rate (flooded inlet)</b> . . . .	52.2 g.p.m. (197.6 l.p.m.)
<b>Displacement / Cycle @ 100 p.s.i.</b> . . .	0.232 gal. (0.88 lit.)
<b>Maximum Particle Size</b> .....	1/8" dia. (3.3 mm)
<b>Maximum Temperature Limits (diaphragm / ball / seat material)</b>	
Hytrek .....	-20° - 150° F (-29° - 66° C)
Nitrile .....	10° - 180° F (-12° - 82° C)
Polypropylene .....	35° - 150° F (2° - 66° C)
Santoprene .....	-40° - 225° F (-40° - 107° C)
T.F.E. (Teflon) .....	40° - 225° F (4° - 107° C)
Viton .....	-40° - 350° F (-40° - 177° C)
<b>Noise Level @ 70 p.s.i. - 60 c.p.m.</b> . . .	80.6 db(A)①

① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L<sub>Aeq</sub>) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.



**PERFORMANCE CURVES**

**PX10X-XXX-XXX 1" METALLIC DIAPHRAGM PUMP**

