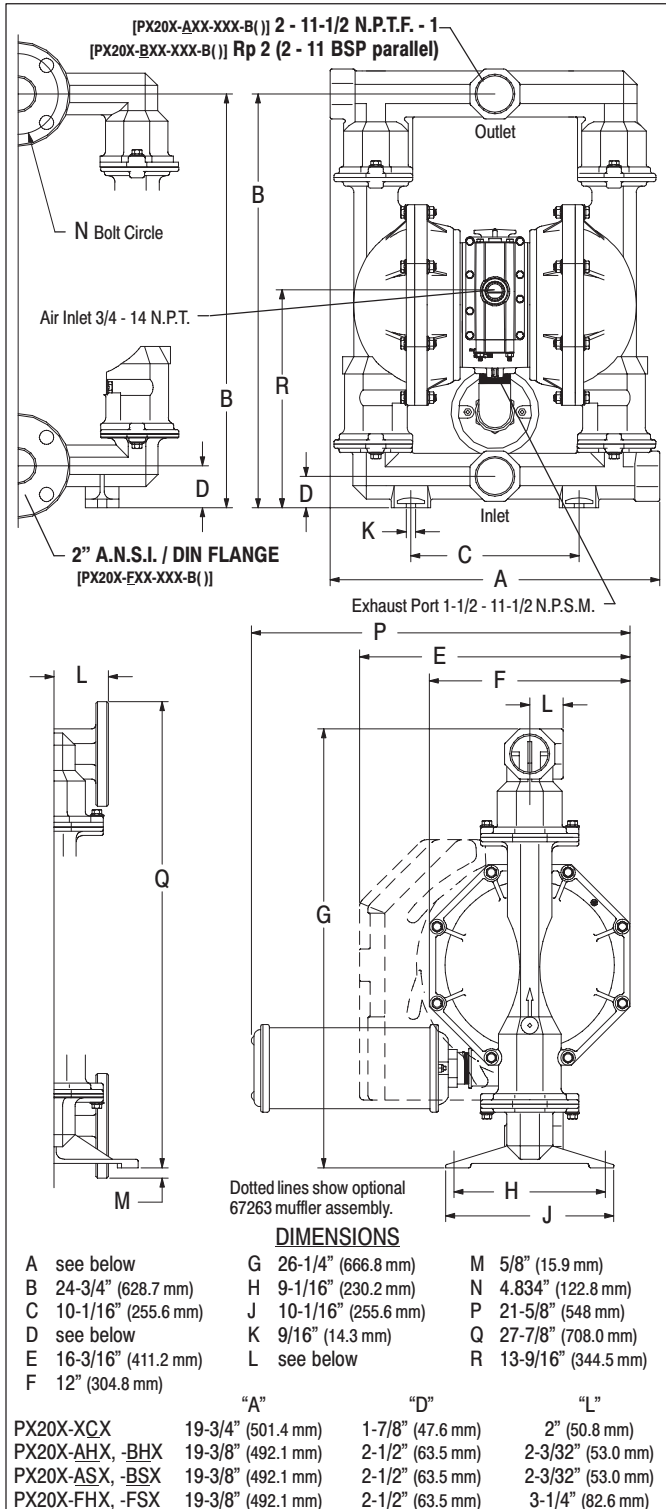


# SALES & ENGINEERING DATA

## PD20R-XXX-XXX-B / PD20Y-XXX-XXX-B PE20R-XXX-XXX-B( ) / PE20Y-XXX-XXX-B( ) 2" METALLIC DIAPHRAGM PUMP

RATIO SERIES:	<b>1:1</b>
FLUID P.S.I. RANGE:	<b>20 - 120</b>
RELEASED:	12-9-04
REVISED:	3-17-05
(REV. 03)	S-1339

### DIMENSIONAL DATA



### SPECIFICATIONS

#### CONSTRUCTION

<b>Model Series</b> .....	PD20R-X-X-B / PD20Y-X-X-B PE20R-X-X-B( ) / PE20Y-X-X-B( )
<b>Pump Type</b> .....	Metallic, Air Operated, Double Diaphragm
<b>Ratio</b> .....	1:1
<b>Material Inlet / Outlet (female)</b>	
PX20X- <b>AXX</b> -XXX-B( ) .....	2 - 11-1/2 N.P.T.F. - 1
PX20X- <b>BXX</b> -XXX-B( ) .....	Rp 2 (2 - 11 BSP parallel)
PX20X- <b>FXX</b> -XXX-B( ) .....	2" A.N.S.I. / DIN Flange
<b>Air Inlet (female)</b> .....	3/4 - 14 N.P.T.
<b>Air Exhaust (female)</b> .....	1-1/2 - 11-1/2 N.P.S.M.
<b>Weight</b> ..	
PX20X- <b>XCX</b> -XXX-B( ) ..	165 lbs (74.8 kgs)
PX20X- <b>AHX</b> -XXX-B( ) ..	154 lbs (69.9 kgs)
PX20X- <b>ASX</b> -XXX-B( ) ..	154 lbs (69.9 kgs)
PX20X- <b>BHX</b> -XXX-B( ) ..	154 lbs (69.9 kgs)
PX20X- <b>BSX</b> -XXX-B( ) ..	154 lbs (69.9 kgs)
PX20X- <b>FHX</b> -XXX-B( ) ..	146 lbs (66.2 kgs)
PX20X- <b>FSX</b> -XXX-B( ) ..	146 lbs (66.2 kgs)
<b>Air Section Service Kit</b> .....	637369
<b>Fluid Section Service Kit</b> .....	637309-XX

**PX20X-XXX-X [X] [X] -B( )**  
**637309 - [X] [X]** Diaphragm Material  
 Ball Material

EXAMPLE: Model # PD20Y-ACP-SAA-B  
 Fluid Section Service Kit is 637309-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</b> .....	172 g.p.m. (651 l.p.m.)
<b>Displacement / Cycle @ 100 p.s.i.</b> ..	1.4 gal. (5.3 lit.)
<b>Maximum Particle Size</b> .....	1/4" dia. (6.4 mm)
<b>Maximum Temperature Limits (diaphragm / ball / seal material)</b>	
E.P.R. / EPDM .....	-60° to 280° F (-51° to 138° C)
Hytel .....	-20° to 150° F (-29° to 66° C)
Nitrile .....	10° to 180° F (-12° to 82° C)
Polypropylene .....	35° to 150° F (2° to 66° C)
PVDF (Kynar) .....	10° to 200° F (-12° to 93° C)
Stantoprene .....	-40° to 225° F (-40° to 107° C)
T.F.E. (Teflon) .....	40° to 225° F (4° to 107° C)
Viton .....	-40° to 350° F (-40° to 177° C)
<b>Noise Level @ 70 p.s.i. - 60 c.p.m.</b> ①	85.0 db(A) ②

① Tested with 67263 muffer assembly installed.  
 ② 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.

#### ACCESSORIES:

- 66473 Air Line Connection Kit
- 67263 Continuous Muffer
- 94117 Int. Muffer

PERFORMANCE CURVES

PD20X-XXX-XXX-B / PE20X-XXX-XXX-B( ) 2" METALLIC DIAPHRAGM PUMP

