

# SALES & ENGINEERING DATA

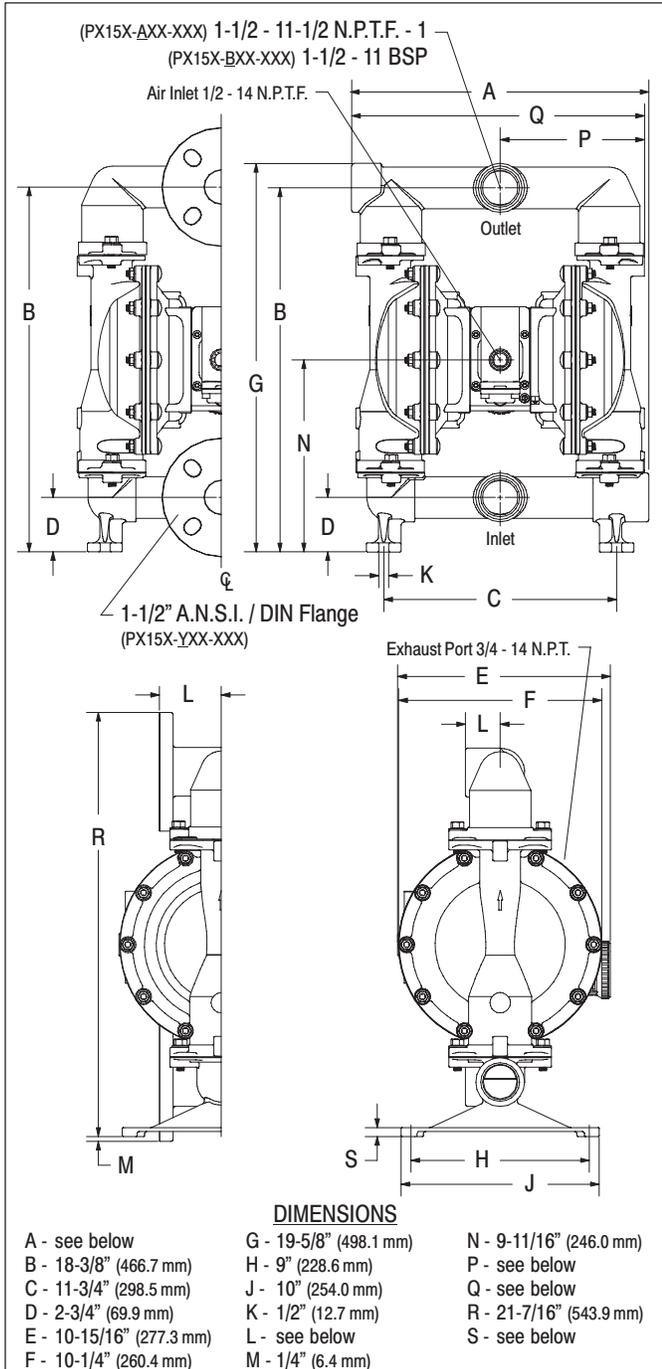
RATIO SERIES: **1:1**

## PD15X-XXX-XXX and PE15X-XXX-XXX 1-1/2" METALLIC DIAPHRAGM PUMP

FLUID P.S.I. RANGE: **20 - 120**

RELEASED: 8-7-03  
REVISED: 10-6-04  
S-1281 (REV. 05)

### DIMENSIONAL DATA



### SPECIFICATIONS

#### CONSTRUCTION

<b>Model Series</b> .....	PD15X-XXX-XXX PE15X-XXX-XXX
<b>Pump Type</b> .....	Metallic, Air Operated, Double Diaphragm
<b>Ratio</b> .....	1:1
<b>Material Inlet / Outlet (female)</b>	
PX15X- <del>AXX</del> -XXX .....	1-1/2 - 11-1/2 N.P.T.F. - 1
PX15X-BXX-XXX .....	1-1/2 - 11 BSP
PX15X-YXX-XXX .....	1-1/2" A.N.S.I. / DIN Flange
<b>Air Inlet (female)</b> .....	1/2 - 14 N.P.T.F. - 1
<b>Air Exhaust (female)</b> .....	3/4 - 14 N.P.T.
<b>Weight</b> ..	
PX15R-XAX-XXX .....	33.9 lbs (15.4 kgs)
PX15R-XCX-XXX .....	73.2 lbs (33.2 kgs)
PX15R-XHX-XXX .....	86.9 lbs (39.4 kgs)
PX15R-XXS-XXX .....	61.2 lbs (27.8 kgs)
	add 1.6 lbs (0.73 kg) for Aluminum air motor section
	add 17.6 lbs (8.0 kg) for stainless steel air motor section
<b>Air Section Service Kit</b> .....	637389
<b>Major Air Valve Assembly</b> .....	637390-X
<b>Fluid Section Service Kit</b> .....	637375-XX

PX15X-XXX-X    
637375 -    
Diaphragm Material  
Ball Material

EXAMPLE: Model # PD15S-ASS-SAA  
Fluid Section Service Kit is 637375-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> ..	123 g.p.m. (465.6 l.p.m.)
<b>Displacement / Cycle @ 100 p.s.i.</b> ..	0.617 gal. (2.34 lit.)
<b>Maximum Particle Size</b> .....	1/4" dia. (6.4 mm)
<b>Maximum Temperature Limits (Diaphragm / Ball / Seat material)</b>	
Hytrell .....	-20° - 150° F (-29° - 66° C)
Nitrile .....	10° - 180° F (-12° - 82° C)
Polypropylene .....	35° - 150° F (2° - 66° C)
P.V.D.F. (Kynar) .....	10° - 200° F (-12° - 93° 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> ..	82.8 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.

	"A"	"L"	"P"	"Q"	"S"
PX15X-XAX-XXX	14-7/8" (377.8 mm)	1-3/4" (44.5 mm)	7-7/32" (183.4 mm)	14-23/32" (373.9 mm)	1/2" (12.7 mm)
PX15X-XCX-XXX	14-5/8" (371.5 mm)	1-3/4" (44.5 mm)	7-3/16" (182.6 mm)	14-1/2" (368.3 mm)	1/4" (6.4 mm)
PX15X-XHX-XXX	14-9/16" (370.0 mm)	3-1/8" (79.4 mm)	7-3/16" (182.6 mm)	14-1/2" (368.3 mm)	1/4" (6.4 mm)
PX15X- <del>ASX</del> -XXX, -BSX	14-25/32" (375.5 mm)	1-3/4" (44.5 mm)	7-9/32" (185.0 mm)	14-13/16" (375.5 mm)	15/32" (11.4 mm)
PX15X-YSX-XXX	14-9/16" (370.0 mm)	3-1/8" (79.4 mm)	7-9/32" (185.0 mm)	14-9/16" (370.0 mm)	15/32" (11.4 mm)

NOTE: Dimensions are shown in inches and (mm), supplied for reference only and are typically rounded up to the nearest 1/16 inch.

# PERFORMANCE CURVES

## PX15X-XXX-XXX 1-1/2" METALLIC DIAPHRAGM PUMP

