SALES AND ENGINEERING DATA

PD15X-XXX-XXX, PE15X-XXX-XXX AND PZ15X-XXX-XXX
1-1/2" METALLIC DIAPHRAGM PUMP

RATIO SERIES:	1:1
FLUID PSIG RANGE:	20 - 120

RELEASED: 8-7-03
REVISED: 6-17-22
(REV: N) S-1281

SPECIFICATIONS

CONSTRUCTION

Model Series PD15X-XXX-XXX
PE15X-XXX-XXX
PZ15X-XXX-XXX
Pump Type ..... Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female)
PX15X-AXX-XXX ..... 1-1/2 - 11-1/2 NPTF - 1
PX15X-BXX-XXX ..... Rp 1-1/2 (1-1/2 - 11 BSP)
PX15X-YXX-XXX ..... 1-1/2" ANSI / DIN Flange
Air Inlet (female) ..... 1/2 - 14 NPT
Air Exhaust (female) ..... 3/4 - 14 NPT
Weight . PX15R-XAX-XXX ..... 37.65 lbs (17.08 kgs)
PX15R-XCX-XXX ..... 73.2 lbs (33.2 kgs)
PX15R-XHX-XXX ..... 86.9 lbs (39.4 kgs)
PX15R-XSX-XXX ..... 61.2 lbs (27.8 kgs)
[add 2.14 lbs (0.97 kg) for aluminum air motor section]
[add 18.14 lbs (8.23 kg) for stainless steel air motor section]
Air Section Service Kit 637389
Major Air Valve Assembly) 637390-X
Fluid Section Service Kit 637375-XX

PX15X-XXX-X X X
637375 - X X
Diaphragm Material
Ball Material

EXAMPLE: Model # PD15S-ASS-SAA
Fluid Section Service Kit is 637375-AA

PERFORMANCE

Air Inlet Pressure Range ..... 20 - 120 psig (1.4 - 8.3 bar)
Maximum Material Inlet Pressure... 10 psig (0.69 bar)
Fluid Pressure Range ..... 20 - 120 psig (1.4 - 8.3 bar)
Maximum Flow Rate
(flooded inlet) ..... 123 gpm (465.6 lpm)
Displacement / Cycle @ 100 psig. ... 0.617 gal. (2.34 lit.)
Maximum Particle Size ..... 1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / 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)
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)
Noise Level @ 70 psig - 60 cpm..... 82.8 dB(A)①

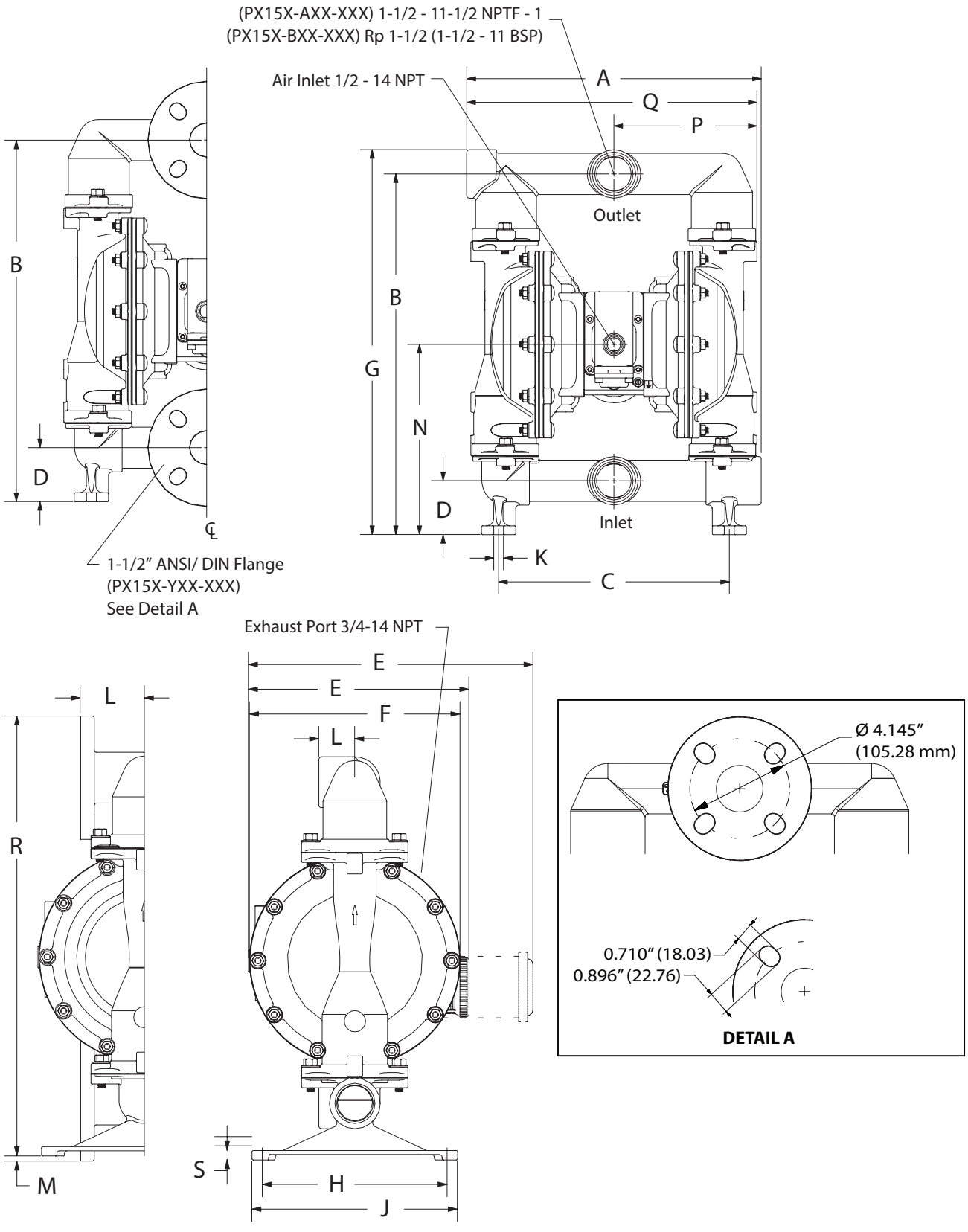
① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LAeq) tomeet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

NOTE: Performance tested with 95845 Diaphragm Check Valve.

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DIMENSIONAL DATA



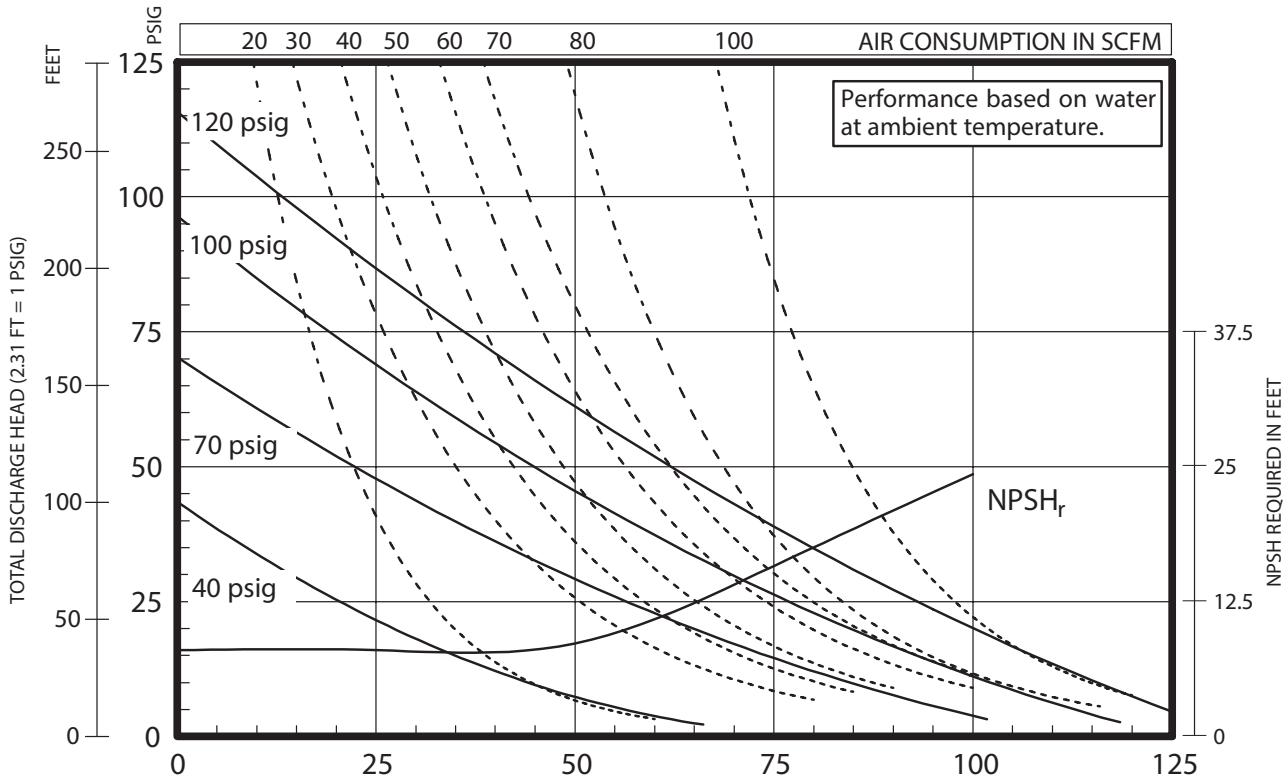
DIMENSIONS

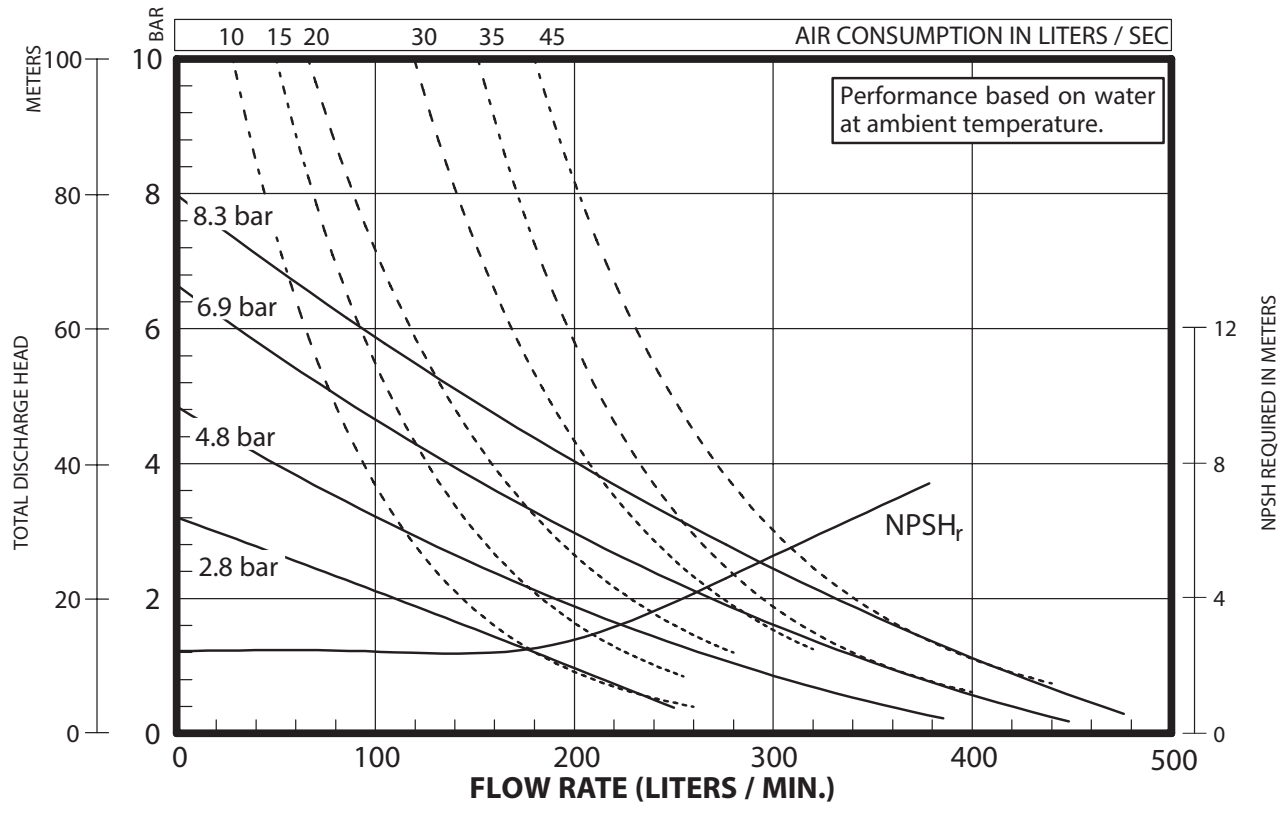
A - see below
B - 18.37" (466.7 mm)
C - 11.75" (298.5 mm)
D - 2.75" (69.9 mm)
E - see below
F - 10.25" (260.4 mm)
G - 19.62" (498.1 mm)
H - 9" (228.6 mm)
J - 10" (254.0 mm)
K - 0.5" (12.7 mm)
L - see below
M - 0.25" (6.4 mm)
N - 9.68" (246.0 mm)
P - see below
Q - see below
R - 21.43" (543.9 mm)
S - see below

	"A"	"L"	"P"	"Q"	"S"		"E"
PX15X-XAX-XXX	14.87" (377.8 mm)	1.75" (44.5 mm)	7.21" (183.4 mm)	14.71" (373.9 mm)	0.5" (12.7 mm)	PX15A-XXX-XXX	14.03" (356.2 mm)
PX15X-XCX-XXX	14.62 (371.5 mm)	1.75" (44.5 mm)	7.18" (182.6 mm)	14.5" (368.3 mm)	0.25" (6.4 mm)	PX15R-XXX-XXX	11.09" (281.3 mm)
PX15X-XHX-XXX	14.56" (370.0 mm)	3.12" (79.4 mm)	7.18" (182.6 mm)	14.5" (368.3 mm)	0.25" (6.4 mm)	PX15S-XXX-XXX	13.87" (352.4 mm)
PX15X-AXX-XXX	14.78" (375.5 mm)	1.75" (44.5 mm)	7.28" (185.0 mm)	14.81" (375.5 mm)	0.46" (11.4 mm)		
PX15X-BXX-XXX	14.78" (375.5 mm)	1.75" (44.5 mm)	7.28" (185.0 mm)	14.81" (375.5 mm)	0.46" (11.4 mm)		
PX15X-YXX-XXX	14.56" (370.0 mm)	3.12" (79.4 mm)	7.28" (185.0 mm)	14.56" (370.0 mm)	0.46 (11.4 mm)		

PERFORMANCE CURVES

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

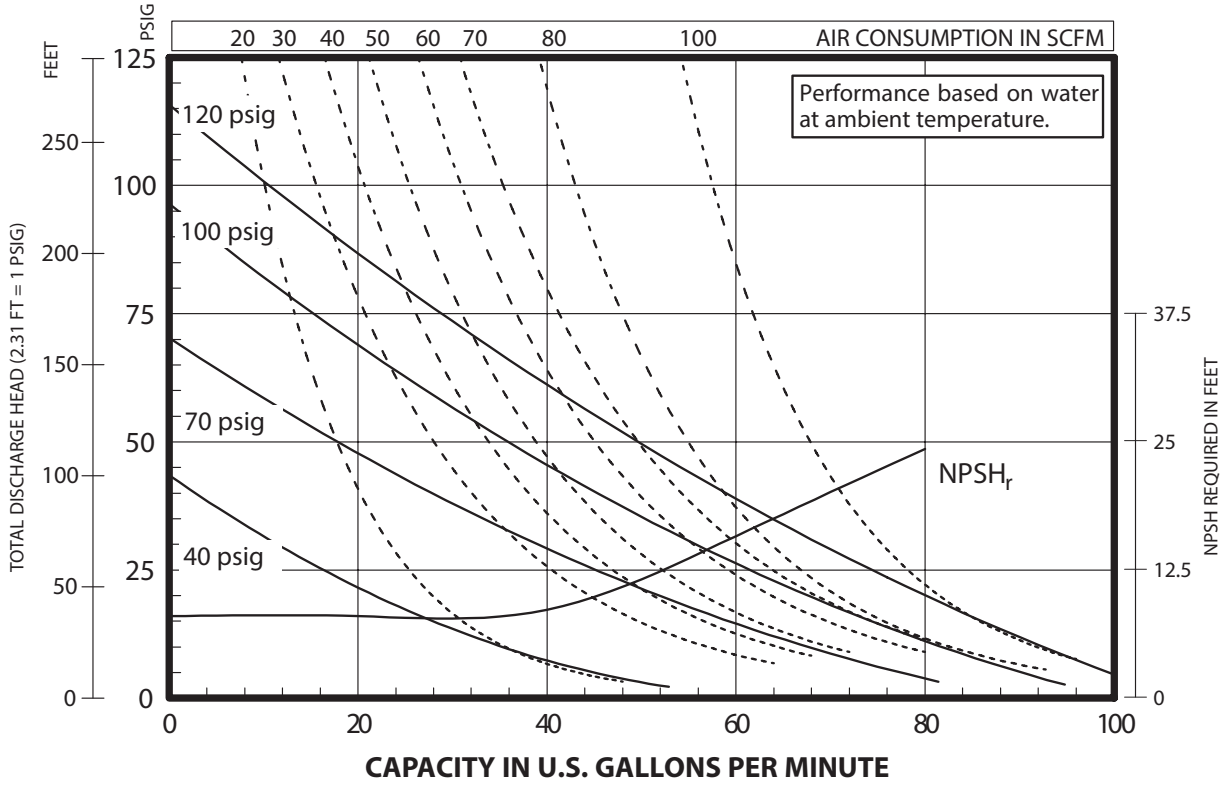


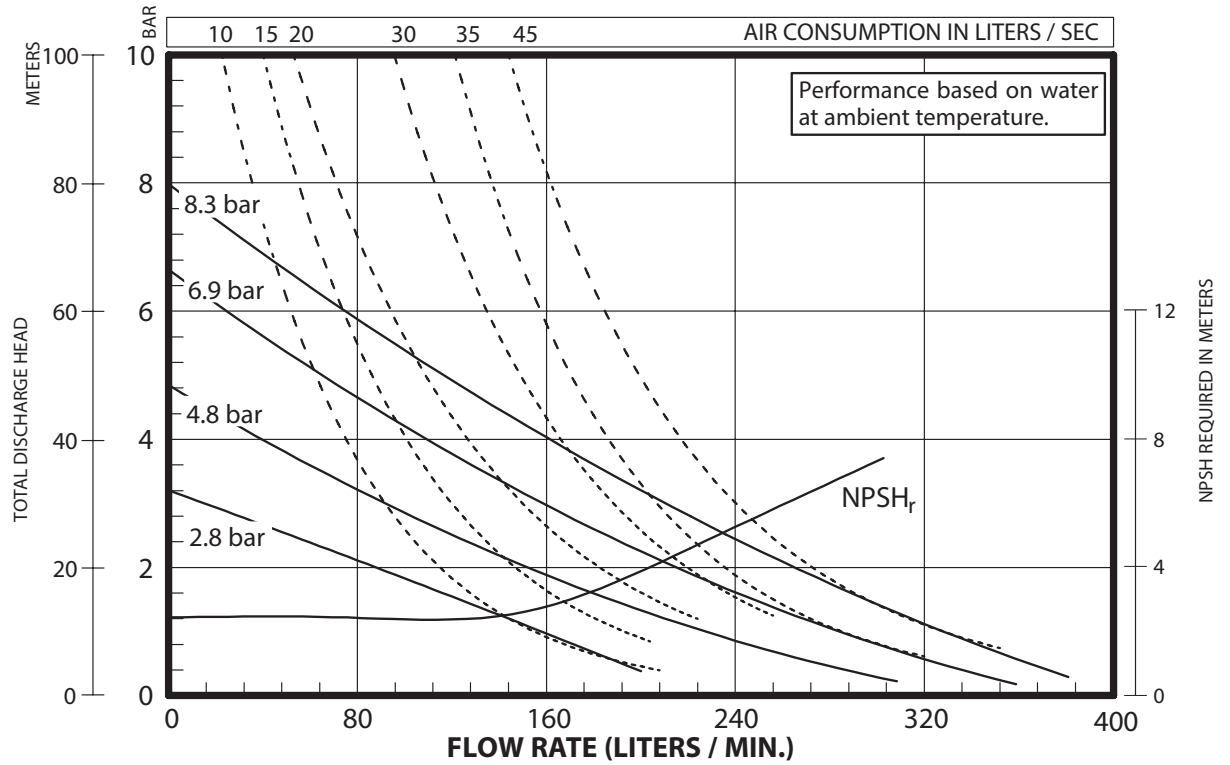


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PERFORMANCE CURVES

PE15X-XXX-XXX-XXEX & PE15X-XXX-XXX-XXFX 1-1/2" METALLIC DIAPHRAGM PUMP





NOTE: Performance tested with 95845 Diaphragm Check Valve.