

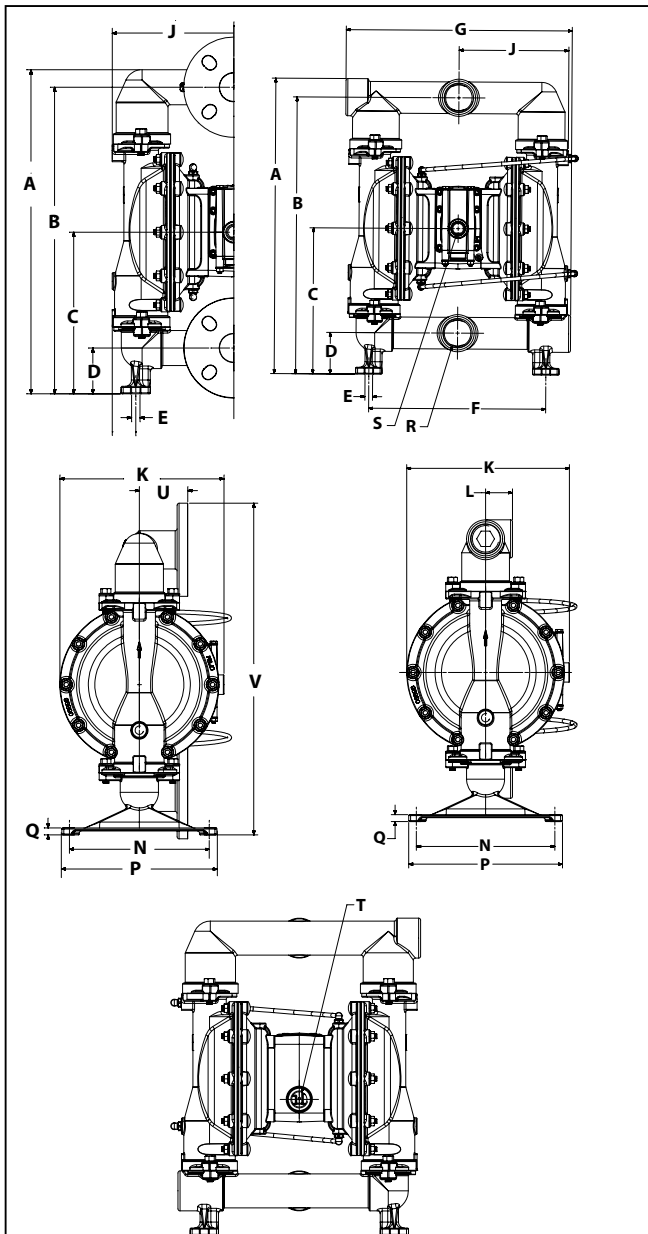
SALES & ENGINEERING DATA

RATIO SERIES:	2:1
FLUID P.S.I. RANGE:	10 - 200

PH15F-XXX-XXX-X 1.5" Metallic Diaphragm Pump

RELEASED: 12-14-12
(REV. A) S-1523

DIMENSIONAL DATA



DIMENSIONS

A - 19.609" (498.1 mm)	E - 4 x .500" slot (12.7 mm)
B - 18.375" (466.7 mm)	F - 11.750" (298.5 mm)
C - 9.687" (246.0 mm)	G - 14.875" (377.8 mm)
D - 2.750" (69.9 mm)	J - 2 x (7.284)" slot
K - 10.575" (268.6 mm)	S - Air Inlet 1/2 - 14 NPTF
L - 2 x 1.750" (44.5 mm)	T - Exhaust port 3/4 - 14 N.P.T.
N - 9.000" (228.6 mm)	U - 2 x 3.125" (79.4 mm)
P - 10.000" (254.0 mm)	V - 21.438" (543.9 mm)
Q - 0.450" (11.4 mm)	

NOTE: Dimensions are shown in inches and (mm) and are supplied for reference only.

"R" Inlet / Outlet

PH15F-ASP-XXX-AXXXX	1-1/2 - 11-1/2 NPTF
PH15F-BSP-SXX-AXXXX	Rp 1 - 1/2 (1 - 1/2" 11 BSP)

SPECIFICATIONS

Model Series	PH15F-XXX-XXX-X
Pump Type	Metallic, air operated, double diaphragm pump
Ratio	2:1
Material Inlet / Outlet (female)	
PH15F-ASX-SXX-AXXXX	1-1/2 - 11-1/2 NPTF - 1
PH15F-BSX-SXX-AXXXX	Rp 1 - 1/2 (1 - 1/2" 11 BSP)
PH15F-ESX-SXX-AXXXX	1-1/2 ANSI / DIN Flange
Air Inlet (female)	1/2 - 14 NPTF
Air Exhaust (female)	3/4 - 14 N.P.T.
Weight	88 lbs (39.9 kgs)
Air Section Service Kit	637389
Fluid Section Service Kit	637445-XX

PH15F - ASP-S-XX-X

637445 - XX

└─ Diaphragm Material
└─ Ball Material

EXAMPLE: Model ##PH15F-ASP-SAA-X
Fluid Section Service Kit # 637445-XX

PERFORMANCE

Air Inlet Pressure Range	10 - 100 p.s.i.g. (0.69 - 8.3 bar)
Maximum Material Inlet Pressure	10 p.s.i.g. (0.69 bar)
Fluid Pressure Range	20 - 200 p.s.i.g. (1.38 - 13.8 bar)
Maximum Flow Rate (flooded inlet)	63 g.p.m. (238 l.p.m.)
Displacement / Cycle @ 100 p.s.i.	0.88 gal. (3.33 lit.)
Maximum Particle Size	1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / seal / seat material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytrel®	-20° to 150° F (-29° to 66° C)
Polypropylene	35° to 175° F (2° 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 p.s.i. - 54 c.p.m. ①	75.6 db(A)②

① Tested with 350-568 muffler assembly installed.

② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L_{Aeq}) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.



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PERFORMANCE CURVES

