SALES & ENGINEERING DATA

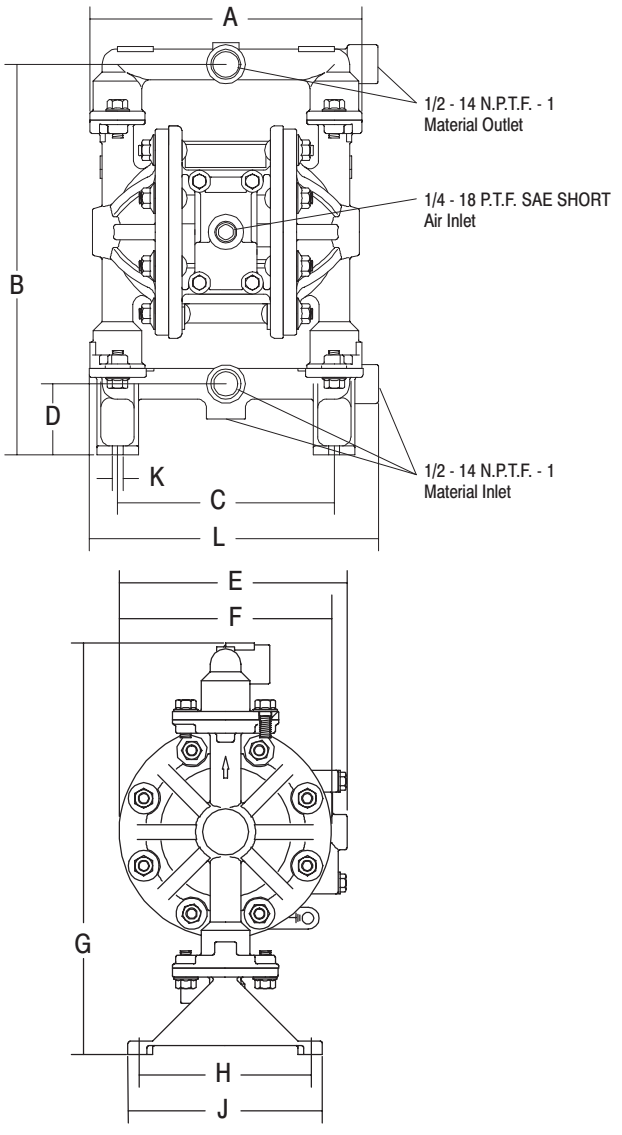
RATIO SERIES:	1:1
FLUID P.S.I. RANGE:	20 - 100

PD05P-AXS-XXX

1/2" DIAPHRAGM PUMP

RELEASED: 5-15-98
REVISED: 10-24-01
S-933

DIMENSIONAL DATA



DIMENSIONS

A	7-11/16" (195 mm)	E	6-7/16" (164 mm)	J	5-1/2" (140 mm)
B	11-1/16" (280 mm)	F	6" (152 mm)	K	5/16" (8 mm)
C	6-1/8" (156 mm)	G	11-5/8" (295 mm)	L	8-1/4" (209 mm)
D	2" (51 mm)	H	4-7/8" (124) mm)		

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

SPECIFICATIONS

CONSTRUCTION

Model Series PD05P-AXS-XXX
Pump Type . . . . . Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet (female) . . . . . 1/2 - 14 N.P.T.F - 1
Air Inlet (female) . . . . . 1/4 - 18 P.T.F. SAE Short
Air Exhaust (standard) . . . . . internal
(optional) . . . . . 3/8 - 18 N.P.T.F. - 1 (female)
Weight . (models PD05P-AAS-XXX) . . 8.36 lbs (3.8 kgs)
(models PD05P-ASS-XXX) . . 14.6 lbs (6.6 kgs)
Air Section Service Kit 637141
Fluid Section Service Kit 637140-XX

PD05P - AXS - X X X
637140 - X X
Diaphragm Material
Ball Material

EXAMPLE: Model PD05P-ASS-SAA
Fluid Section Service Kit is 637140-AA

PERFORMANCE

Air Inlet Pressure Range . . . . . 20 - 100 p.s.i. (1.4 - 6.9 bar)
Maximum Material Inlet Pressure . . . 10 p.s.i.g. (.69 bar)
Fluid Pressure Range . . . . . 20 - 100 p.s.i. (1.4 - 6.9 bar)
Maximum Flow Rate (flooded inlet) . . . . . 13 g.p.m. (49.2 l.p.m.)
Air Consumption . . . . . 1 c.f.m. / gallon (approx.)
Maximum Particle Size . . . . . 3/32" dia. (2.4 mm)
Maximum Temperature Limits
models PD05P-AXS-FXX . . . . . 200°F (93°C)
models PD05P-AXS-PXX . . . . . 150°F (66°C)
models PD05P-AXS-SXX . . . . . 200°F (93°C)
Displacement / Cycle @ 100 p.s.i. . . . 0.040 gal. (0.15 lit.)
Noise Level @ 70 p.s.i., 60 c.p.m.① . . 71.1 db(A)②

Notes:
① Tested with 66972 muffler 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.

ACCESSORIES:
66073-1 Air Line Connection Kit
93092 Plate*
93107 Gasket*
93110 Muffler*

* External muffler for piped exhaust applications.

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PERFORMANCE CURVES

PD05P-AXS-XXX 1/2" DIAPHRAGM PUMP

