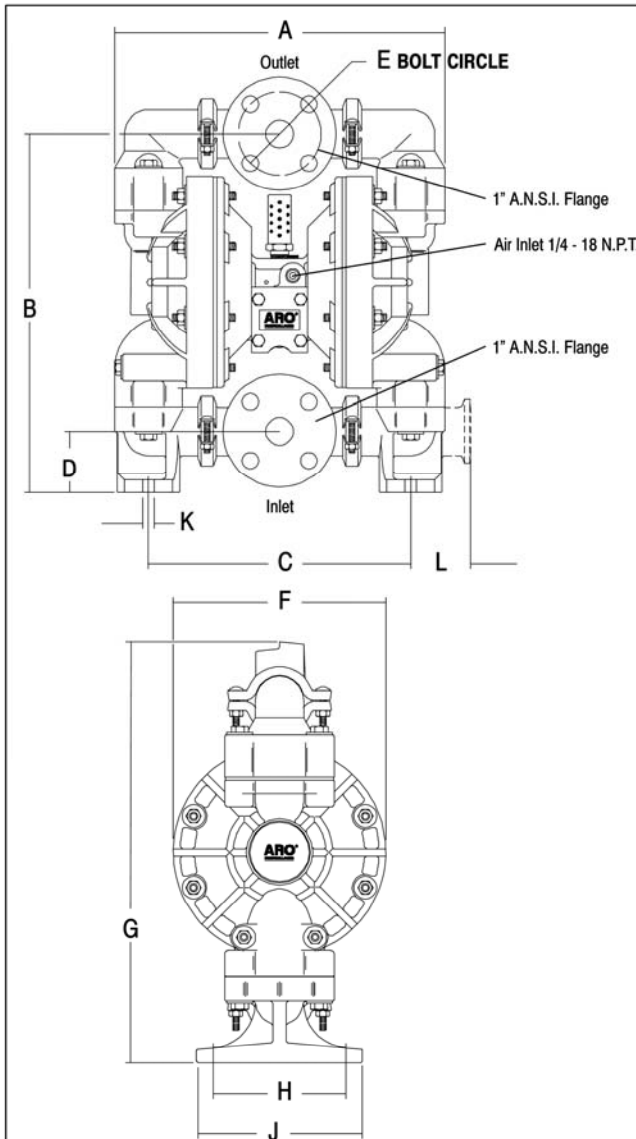


ENGINEERING DATA

RATIO SERIES:	1:1
FLUID P.S.I. RANGE:	20 - 120

Model No. DM-55DDP/PP1 1" NON-METALLIC DIAPHRAGM PUMP

DIMENSIONAL DATA



DIMENSIONS

A 12-11/16" (322 mm)	E 3-3/16" (81 mm)	J 6-5/16" (160 mm)
B 13-13/16" (351 mm)	F 8-1/16" (204 mm)	K 7/16" (11 mm)
C 10-1/16" (255 mm)	G 16" (406 mm)	L 2-1/4" (57 mm)
D 2-3/8" (60 mm)	H 5-1/16" (129 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

Pump Type	Non-Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet	1" Flange, ANSI Class 150
Air Inlet (female)	1/4 - 18 N.P.T.
Air Exhaust (female)	3/8 - 18 N.P.T.F. - 1
Weight	20.25 lbs (9.2 kgs)
Air Section Service Kit	637118-C
Fluid Section Service Kit	637161-XX-C

PERFORMANCE

Air Inlet Pressure Range	20 - 120 p.s.i. (1 - 8.3 bar)
Maximum Material Inlet Pressure	10 p.s.i. (0.69 bar)
Fluid Pressure Range	20 - 120 p.s.i. (1 - 8.3 bar)
Maximum Flow Rate (flooded inlet)	47 g.p.m. (178 l.p.m.)
Maximum Particle Size	1/8" dia. (3.2 mm)
Maximum Temperature Limits	
Polypropylene	35° to 150° F (2° to 66° C)
Kynar (PVDF)	10° to 200° F (-12° to 93° C)
Displacement / Cycle @ 100 p.s.i.	0.17 gal. (.64 lit.)
Noise Level @ 70 p.s.i. - 60 c.p.m.①	64.5 db(A)②

① Tested with 93110 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:

- 65010 Neoprene "O" Ring Air Motor Kit
- 65764 Viton "O" Ring Air Motor Kit
- 66073-1 Air Line Kit
- 67078 Flange Kit

PERFORMANCE CURVES

6661XX-XXX-C 1" NON-METALLIC DIAPHRAGM PUMP

