

SALES & ENGINEERING DATA

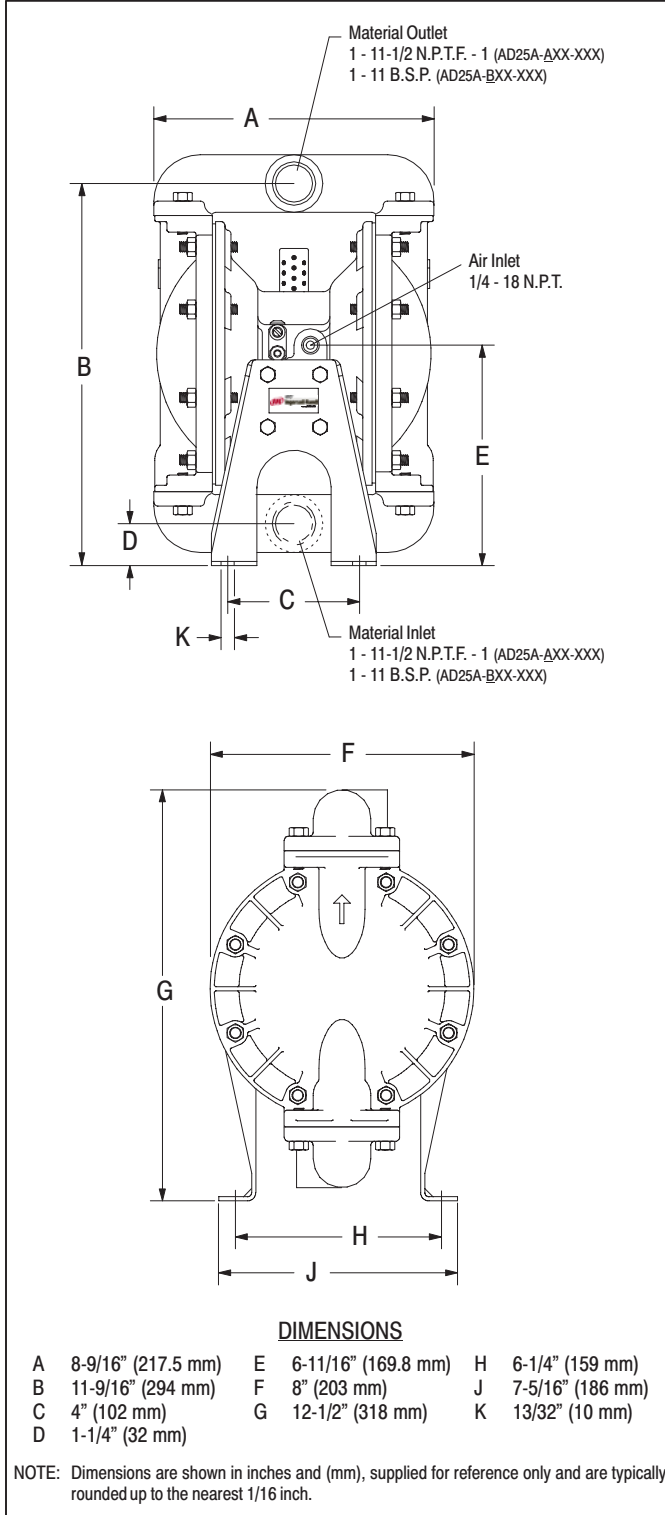
RATIO SERIES: **1:1**

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

AD25A-XXX-XXX 1" METALLIC DIAPHRAGM PUMP

RELEASED: 4-20-05
REVISED: 6-24-05
(REV. 02) S-1360

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series	AD25A-XXX-XXX
Pump Type	Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet (female)	
AD25A-AXX-XXX	1 - 11-1/2 N.P.T.F. - 1
AD25A-BXX-XXX	1 - 11 B.S.P.
Air Inlet (female)	1/4 - 18 N.P.T.
Air Exhaust (female)	3/8 - 18 N.P.T.F. - 1
Weight ..	
AD25A-XAX-XXX	22.0 lbs (10.0 kg)
AD25A-XCX-XXX	35.3 lbs (16.0 kg)
AD25A-XSX-XXX	37.9 lbs (17.2 kg)
Air Section Service Kit	637436
Fluid Section Service Kit	637425-XX

AD25A-XXX - X X X
637425 - X X X

Diaphragm Material
Ball Material

EXAMPLE: Model AD25A-ASS-SAA
Fluid Section Service Kit is 637425-AA

PERFORMANCE

Air Inlet Pressure Range	20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Material Inlet Pressure	10 p.s.i. (0.69 bar)
Fluid Pressure Range	20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Flow Rate (flooded inlet)	35 g.p.m. (133 l.p.m.)
Displacement / Cycle @ 100 p.s.i.	0.16 gal. (0.60 lit.)
Maximum Particle Size	1/8" dia. (3.2 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytel	-20° to 150° F (-29° to 66° C)
Polypropylene	35° to 150° F (2° to 66° C)
Santoprene	-40° to 225° F (-40° to 107° C)
T.F.E. (Teflon)	40° to 225° F (4° to 107° C)
Viton	-40° to 350° F (-40° to 177° C)
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:

66073-2 Air Line Connection Kit

PERFORMANCE CURVES

AD25A-XXX-XXX 1" METALLIC DIAPHRAGM PUMP

