

SALES & ENGINEERING DATA

PW10A-AAX-XXX 1" METALLIC DIAPHRAGM PUMP

RATIO
SERIES: 1:1

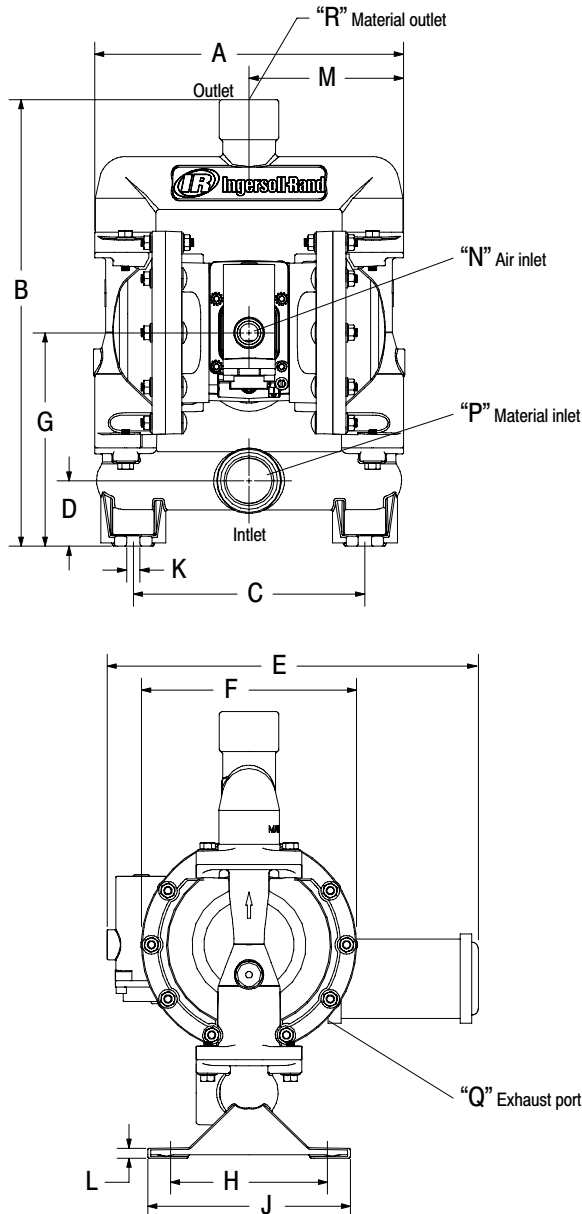
FLUID P.S.I.
RANGE: 20 - 120

RELEASED: 2-13-06

REVISED: 6-10-10

(REV. 02) S-1308

DIMENSIONAL DATA



DIMENSIONS

A 11-11/16" (296.4 mm)	G 8-1/16" (204.7 mm)	N 1/2 - 14 N.P.T.
B 16-7/8" (428.6 mm)	H 5-15/16" (150.8 mm)	P 1-1/2 - 11-1/2 N.P.T.F.-1
C 8-3/4" (222.3 mm)	J 7-21/32" (194.5 mm)	Q 3/4 - 14 N.P.T.
D 2-15/32" (62.7 mm)	K 1/2" (12.7 mm)	R 1-1/4 - 11-1/2 N.P.T.F.-1
E 14-1/32" (356.2 mm)	L 3/8" (9.5 mm)	
F 8-1/8" (206.4 mm)	M 5-27/32" (148.2 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	PW10A-AAX-XXX
Pump Type	Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet (female)	1-1/2 - 11-1/2 N.P.T.F. - 1
Material Outlet (female)	1-1/4 - 11-1/2 N.P.T.F. - 1
Air Inlet (female)	1/2 - 14 N.P.T.
Air Exhaust (female)	3/4 - 14 N.P.T.
Weight	26.2 lbs (11.9 kgs)
Air Section Service Kit	637397
Fluid Section Service Kit	637401-XX

PW10A-AAX-X ☒ ☒
637433 - ☒ ☒

Diaphragm Material
Ball Material

EXAMPLE: Model # PW10A-AAP-AAA
Fluid Section Service Kit is 637401-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	60.0 g.p.m. (227.1 l.p.m.)
Displacement / Cycle @ 100 p.s.i.	0.234 gal. (0.89 lit.)
Maximum Particle Size	1/8" dia. (3.3 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytrel®	-20° to 150° F (-29° to 66° C)
Nitrile	10° to 180° F (-12° to 82° C)
Santoprene®	-40° to 225° F (-40° to 107° C)
PTFE	0° 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.	80.6 db(A) ^①

① 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

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PERFORMANCE CURVES

PW10A-AAX-XXX 1" METALLIC DIAPHRAGM PUMP

