

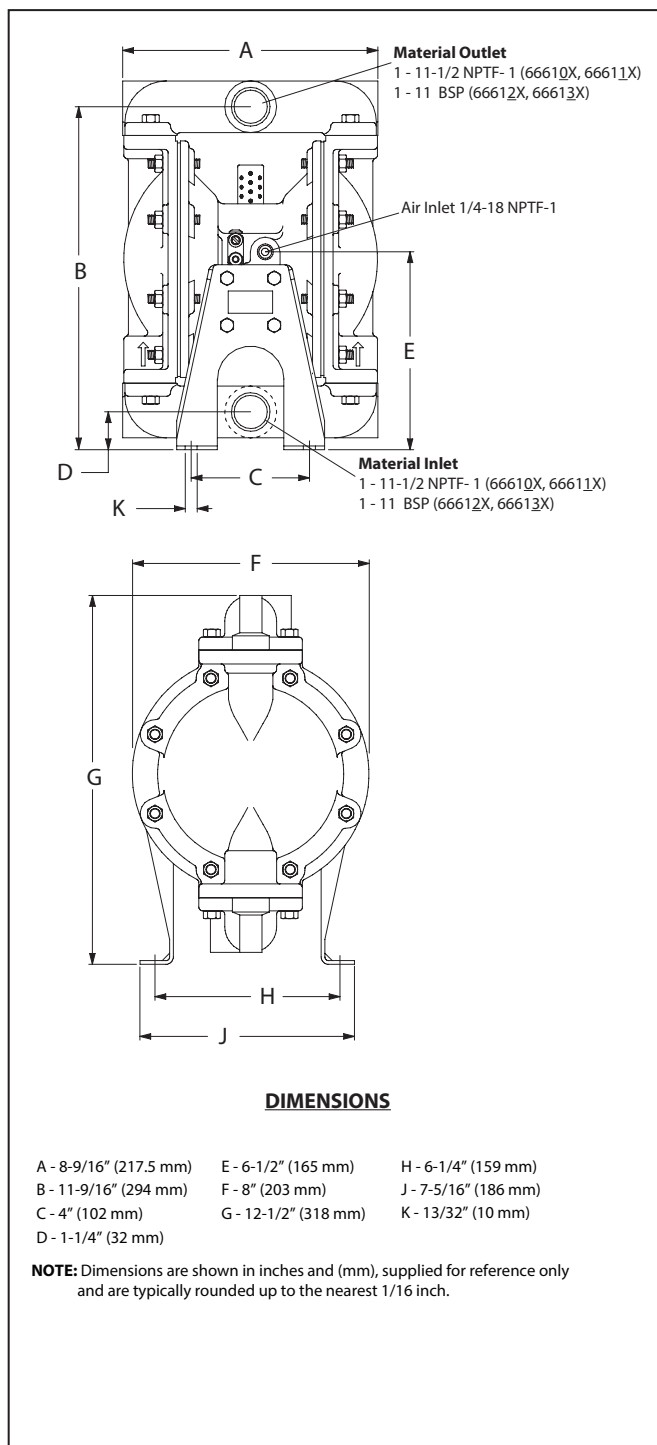
SALES AND ENGINEERING DATA

66610X-XXX-C 1" METALLIC DIAPHRAGM PUMP

RATIO SERIES:	1:1
FLUID PSIG RANGE:	20 - 120

RELEASED: 12-20-96
REVISED: 10-26-18
(REV: H) S-878

DIMENSIONAL DATA - 66610X, 1XA, 1X2 AND 1XC



SPECIFICATIONS - 66610X-X-C

CONSTRUCTION

Model Series	66610X-XXX-C
Pump Type	Metallic, Air operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet (female)	
66610X-X-C and 66611X-X-C	1 - 11-1/2 NPTF- 1
66612X-X-C and 66613X-X-C	1 - 11 BSP
Air Inlet (female)	1/4 - 18 NPTF- 1
Air Exhaust (female)	3/8 - 18 NPTF - 1
Weight	
Aluminum	19 lbs (8.62 kgs)
Cast Iron	31 lbs (14.06 kg)
Stainless Steel	28.95 lbs (13.13 kgs)
	(add 8 lbs (3.63 kgs) for cast iron air motor section)
Air Section Service Kit	637118-C
Fluid Section Service Kit	637119-XX-C
Composite PTFE Diaphragm Kit	48495964

66610X - X ~~XX~~ - C
637119 - ~~XX~~ - C
Ball Material - ~~XX~~ Diaphragm Material

Example: Model 666100-361-C
Fluid Section Service Kit is 637119-61-C

PERFORMANCE

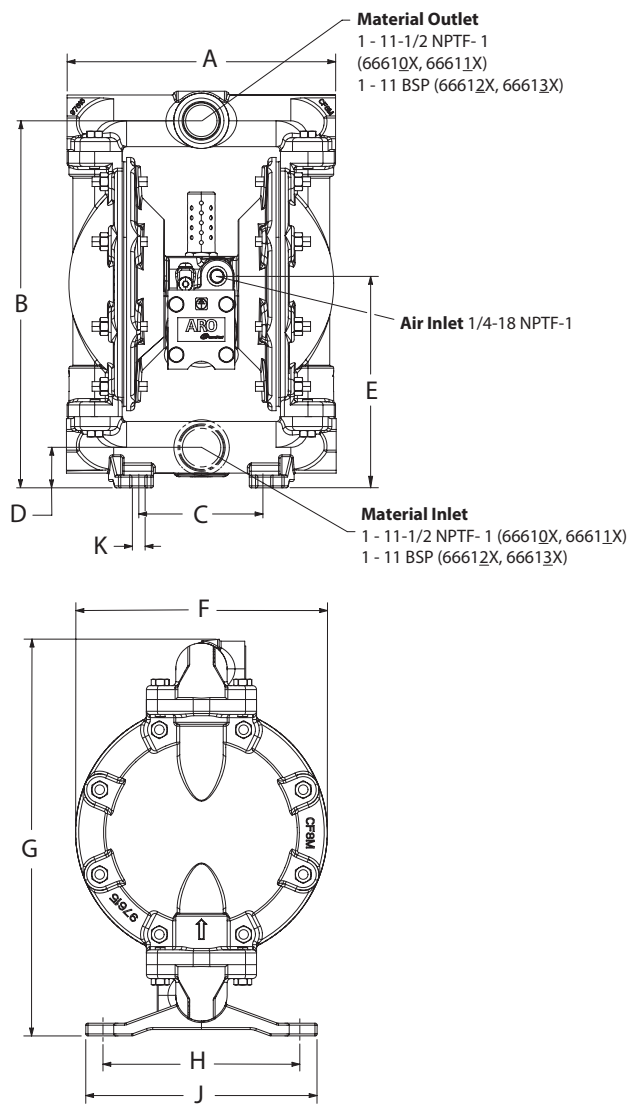
Air Inlet Pressure Range	20 - 120 psig (1.4 - 8.3 bar)
Maximum Material Inlet Pressure ..	10 psig (0.69 bar)
Fluid Pressure Range	20 - 120 psig (1.4 - 8.3 bar)
Maximum Flow Rate (flooded inlet) ..	35 gpm (133 lpm)
Maximum Particle Size	1/8" dia. (3.2 mm)
Maximum Temperature Limits (diaphragm / ball / seat material)	
Acetal	-20° to 180° F (-29° to 82° C)
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytre [®]	-20° to 180° F (-29° to 82° C)
Neoprene	0° to 200° F (-18° to 93° C)
Nitrile	10° to 180° F (-12° to 82° C)
Polypropylene	32° to 175° F (0° to 79° C)
Polyurethane	-10° to 150° F (-23° to 66° C)
PVDF (Kynar [®])	10° to 200° F (-12° to 93° C)
PTFE	40° to 225° F (4° to 107° C)
Composite PTFE	14° to 194° F (-10° to 90° C)
Santoprene [®]	-40° to 225° F (-40° to 107° C)
Viton [®]	-40° to 350° F (-40° to 177° C)
Displacement / Cycle @ 100 psig	
Standard Diaphragm	0.16 gal. (60 lit)
Composite PTFE Diaphragm	0.14 gal. (0.525 lit)
Noise Level @ 70 psig, 60 cpm ^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 (LAeq) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

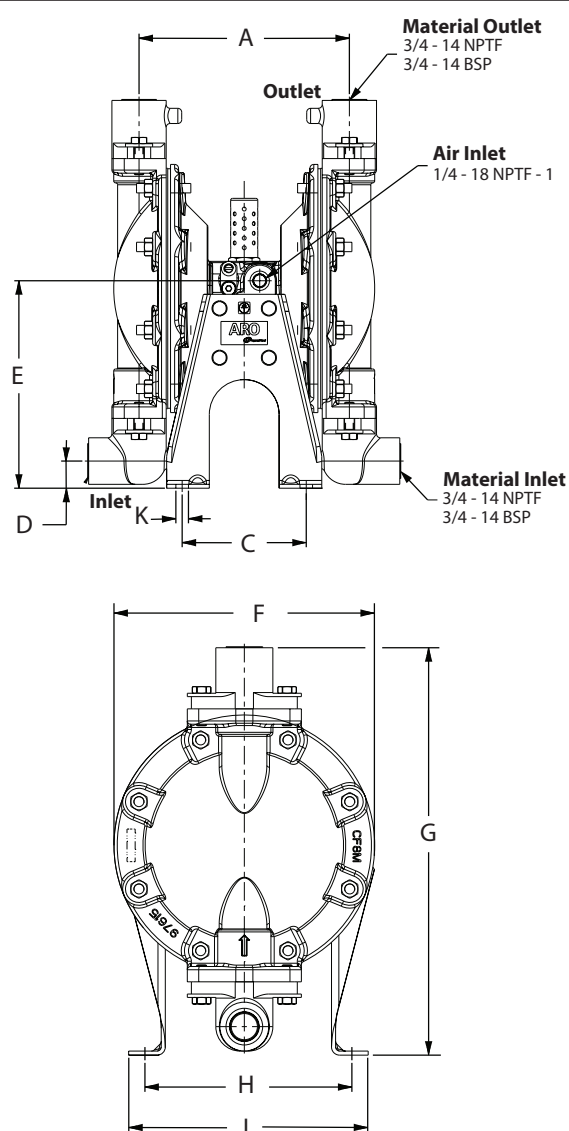
ACCESSORIES:

65010 Neoprene "O" Ring Air Motor Kit
65764 Viton "O" Ring Air Motor Kit
66073-2 Air Line Connection Kit
637167 Abrasion Resistant Conversion Kit

DIMENSIONAL DATA - 6661X1, 6661XB**DIMENSIONS**

A - 8-9/16" (217.5 mm)	E - 6-1/2" (165 mm)	H - 6-1/8" (155 mm)
B - 11-9/16" (294 mm)	F - 8" (203 mm)	J - 7-5/16" (186 mm)
C - 4" (102 mm)	G - 12-7/16" (315 mm)	K - 13/32" (10 mm)
D - 1-1/4" (32 mm)		

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

DIMENSIONAL DATA - 6661X9, 6661XD**DIMENSIONS**

A - 6-3/4" (172 mm)	E - 6-1/2" (165 mm)	H - 6-1/4" (161 mm)
C - 4" (102 mm)	F - 8" (203 mm)	J - 7-5/16" (186 mm)
D - 7/8" (22.2 mm)	G - 12-1/2" (318 mm)	K - 13/32" (10 mm)

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

PERFORMANCE CURVES

