

SALES & ENGINEERING DATA

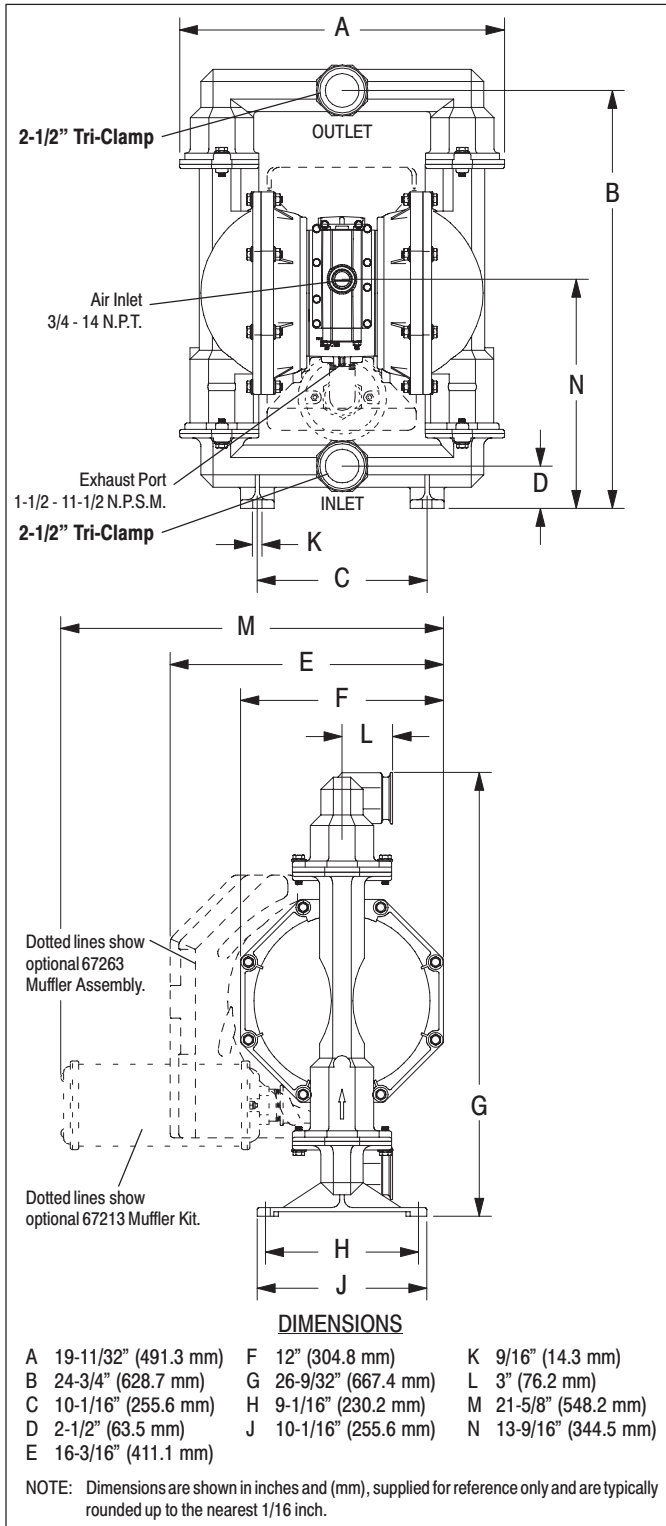
RATIO SERIES: **1:1**

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

PM20R-CSS-XXX-B02 2" METALLIC DIAPHRAGM PUMP

RELEASED: 2-8-05
REVISED: 3-17-05
(REV. 02) S-1345

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series	PM20R-CSS-XXX-B02
Pump Type	Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet	2-1/2" Tri-Clamp
Air Inlet (female)	3/4 - 14 N.P.T.
Air Exhaust (female)	1-1/2 - 11-1/2 N.P.S.M.
Weight	157.4 lbs (71.4 kgs)
Air Section Service Kit	637369
Fluid Section Service Kit	637309-XX

PM20R-CSS-X -B02

637309 -

Diaphragm Material
Ball Material

EXAMPLE: Model # PD20R-CSS-SAA-B02
Fluid Section Service Kit is 637309-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	172 g.p.m. (651 l.p.m.)
Displacement / Cycle @ 100 p.s.i.	1.4 gal. (5.3 lit.)
Maximum Particle Size	1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Nitrile	10° to 180° F (-12° to 82° 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)
Noise Level @ 70 p.s.i. - 60 c.p.m.①	85.0 db(A)②

① Tested with 67263 muffler assembly 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-PNEUROPS S5.1 using four microphone locations.

ACCESSORIES:

- 66312 Air Line Connection Kit
- 67213 Muffler Kit
- 67263 Continuous Muffler
- 94117 Int. Muffler

PERFORMANCE CURVES

PM20R-CSS-XXX-B02 2" METALLIC DIAPHRAGM PUMP

