

SALES & ENGINEERING DATA

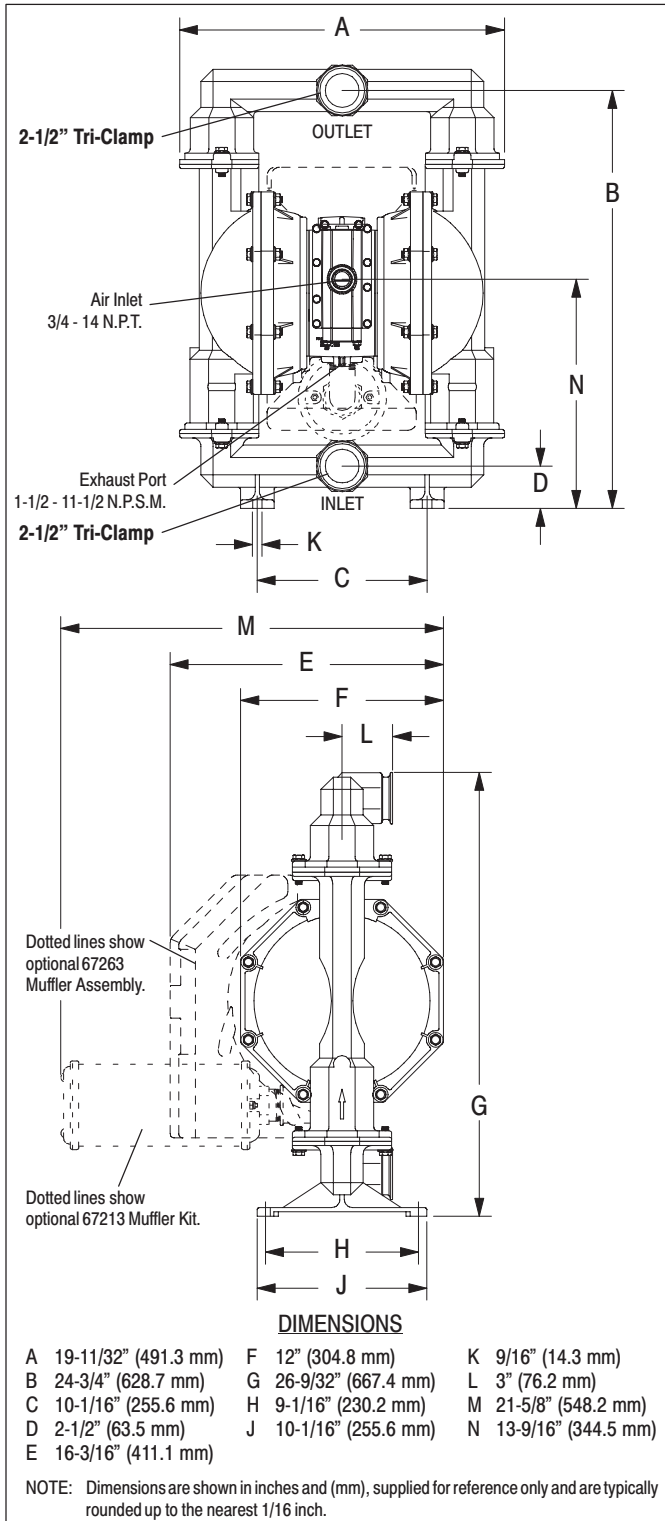
RATIO
SERIES: 1:1

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

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

RELEASED: 2-8-05
REVISED: 6-10-10
(REV. 03) 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)
PTFE 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-PNEUROP S5.1 using four microphone locations.

ACCESSORIES:

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

airpumping.co.uk

est. 1979

Unit 16, Upminster Trading Park, Warley St, Upminster, Essex, RM14 3PJ, ENGLAND

ARO

IR Ingersoll Rand
Industrial Technologies

PERFORMANCE CURVES

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

