

SALES & ENGINEERING DATA

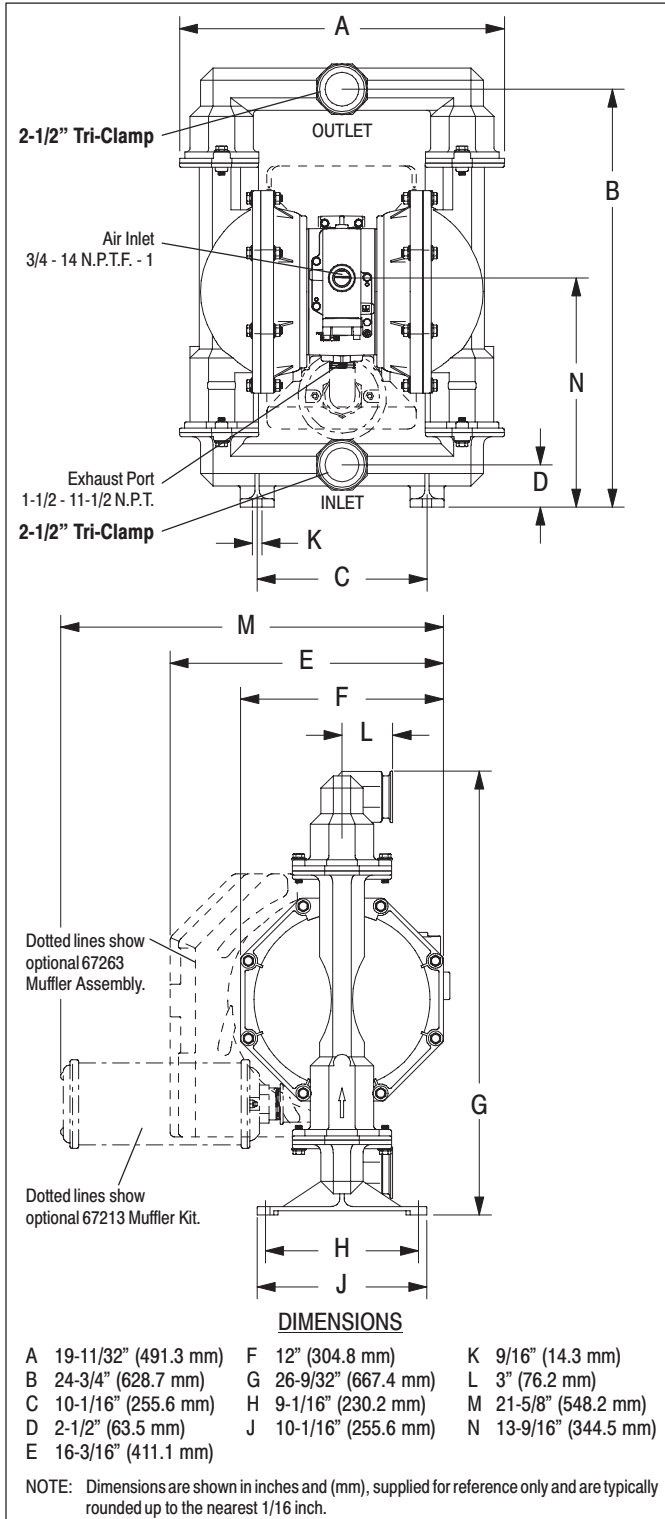
PM20A-CSS-XXX-B02 and PM20S-CSS-XXX-B02 2" METALLIC DIAPHRAGM PUMP

RATIO
SERIES: **1:1**

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

RELEASED: 2-8-05
REVISED: 6-10-10
(REV. 03) S-1344

DIMENSIONAL DATA



SPECIFICATIONS

CONSTRUCTION

Model Series	PM20A-CSS-XXX-B02
	PM20S-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.F. - 1
Air Exhaust (female)	1-1/2 - 11-1/2 N.P.T.
Weight . PM20A-CSS-XXX-B02	142.8 lbs (64.8 kgs)
PM20S-CSS-XXX-B02	171.7 lbs (77.9 kgs)
Air Section Service Kit	637421
Fluid Section Service Kit	637309-XX

PM20X-CSS-XXX-B02

637309 - XXX

Diaphragm Material
Ball Material

EXAMPLE: Model #PM20S-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 Outlet Pressure Range	20 - 120 p.s.i. (1.4 - 8.3 bar)
Maximum Flow Rate	172 g.p.m. (651 l.p.m.)
Maximum Particle Size	1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)	
E.P.R.	-60° to 280° F (-51° to 138° C)
Santoprene	-40° to 225° F (-40° to 107° C)
PTFE	40° to 225° F (4° to 107° C)
Displacement / Cycle @ 100 p.s.i.	1.4 gal. (5.3 liters)
Noise Level @ 70 p.s.i. - 60 c.p.m.①	85.0 db(A)②

Notes:

- 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

PM20A-CSS-XXX-B02 / PM20S-CSS-XXX-B02 2" METALLIC DIAPHRAGM PUMP

