

SALES & ENGINEERING DATA

PM20A-CSS-XXX-B02 and PM20S-CSS-XXX-B02

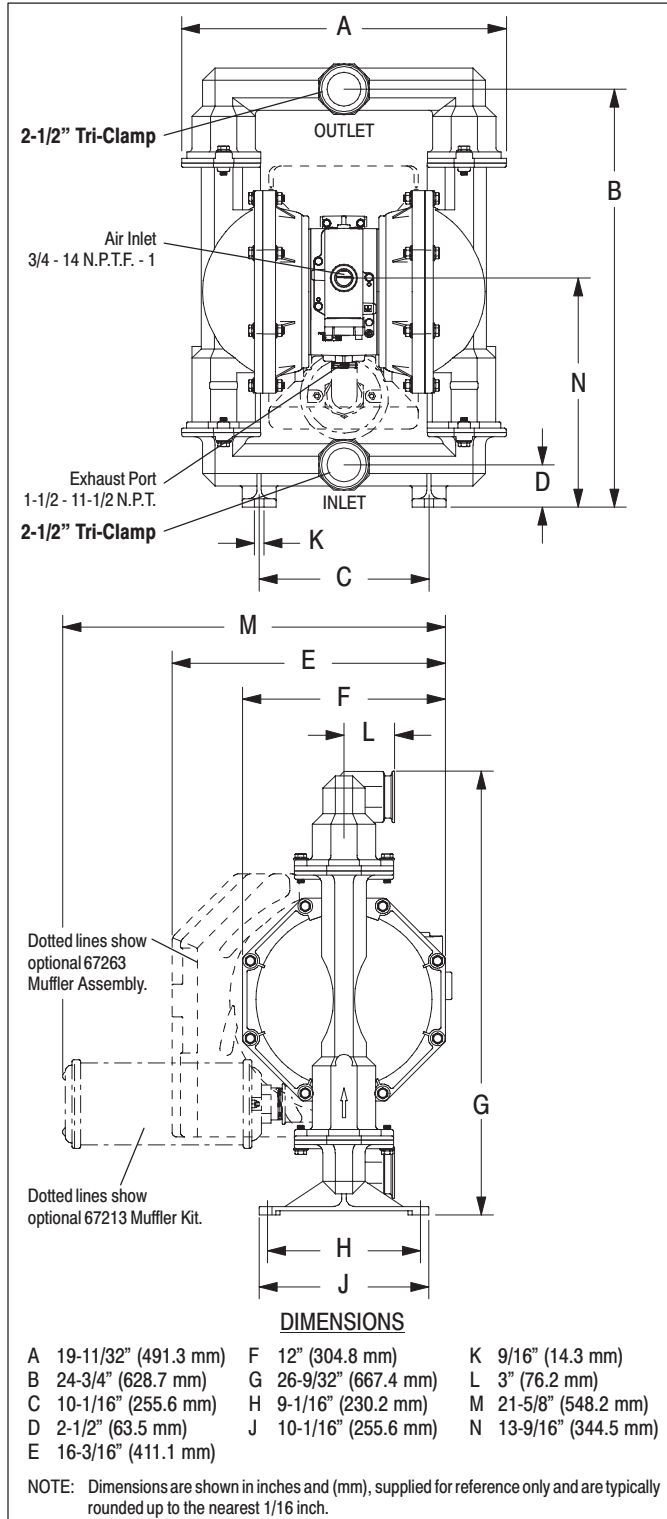
2" METALLIC DIAPHRAGM PUMP

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-X-X-X-B02

637309 - X-X

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

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

ARO

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Industrial Technologies

PERFORMANCE CURVES

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

