

SALES AND ENGINEERING DATA

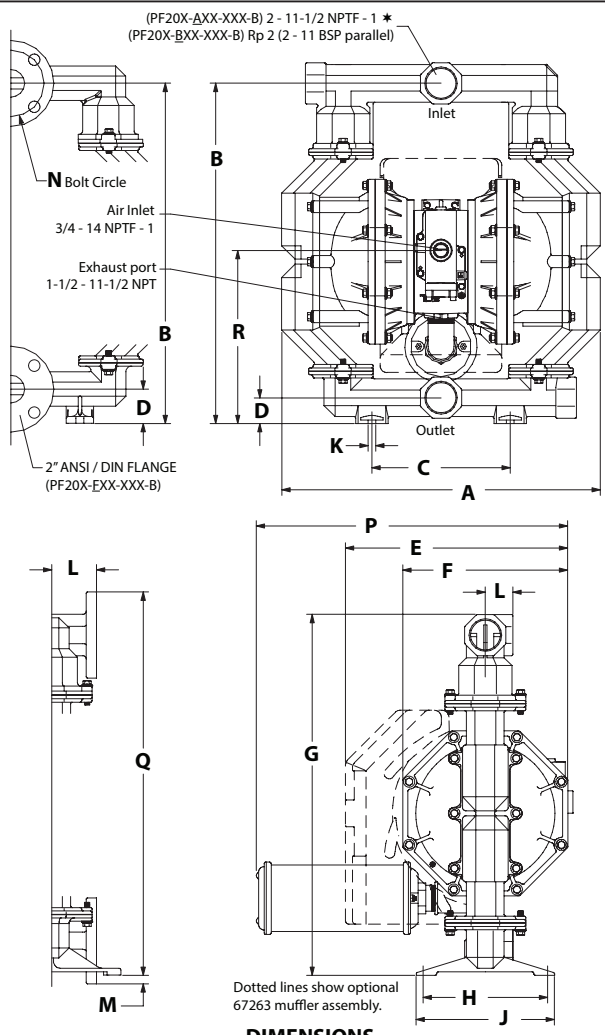
RATIO SERIES:	1:1
FLUID PSIG RANGE:	20 - 120

PF20A-XXX-SXX-B and PF20S-XXX-SXX-B

2" METALLIC FLAP VALVE DIAPHRAGM PUMP

RELEASED: 2-10-05
REVISED: 9-15-11
(REV: 04) S-1342

DIMENSIONAL DATA



DIMENSIONS

A 23-3/16" (588.8 mm)	G 26-1/4" (666.8 mm)	M 5/8" (15.9 mm)
B 24-3/4" (628.7 mm)	H 9-1/16" (230.2 mm)	N 4.834" (122.8 mm)
C 10-1/16" (255.6 mm)	J 10-1/16" (255.6 mm)	P 21-5/8" (548 mm)
D see below	K 9/16" (14.3 mm)	Q 27-7/8" (708 mm)
E 16-3/16" (411.2 mm)	L see below	R see below
F 12" (304.8 mm)		
"D"	"L"	"R"
PD20X-XAX-SXX-B 1-7/8" (47.6 mm)	2" (50.8 mm)	12-19/32" (319.9 mm)
PD20X-XCX-SXX-B 1-7/8" (47.6 mm)	2" (50.8 mm)	12-19/32" (319.9 mm)
PD20X-ASX-SXX-B 2-1/2" (63.5 mm)	2-3/32" (53 mm)	13-1/4" (336.6 mm)
PD20X-BSX-SXX-B 2-1/2" (63.5 mm)	2-3/32" (53 mm)	13-1/4" (336.6 mm)
PD20X-FSX-SXX-B 2-1/2" (63.5 mm)	3-1/4" (82.6 mm)	13-1/4" (336.6 mm)

Note : ★ Side Discharge Ports are not available on PX20X-XSX-X-B Models.
Dimensions are shown in inches and (mm), supplied for reference only and are typically rounded up to the nearest 1/16 inch.

SPECIFICATIONS

CONSTRUCTION

Model Series	PF20A-XXX-SXX-B PF20S-XXX-SXX-B
Pump Type	Metallic, Air operated, Flap Valve, Double diaphragm
Ratio	1:1
Material Inlet / Outlet (female)	
PF20X-AXX-SXX-B	2 - 11-1/2 NPTF - 1
PF20X-BXX-SXX-B	Rp 2 (2 - 11 BSP parallel)
PF20X-FXX-SXX-B	2" ANSI/ DIN Flange
Air Inlet (female)	3/4 - 14 NPTF - 1
Air Exhaust (female)	1-1/2 - 11-1/2 NPT
Weight	
PF20A-XAX-SXX-B	97.3 lbs (44.2 kgs)
PF20A-XCX-SXX-B	166.2 lbs (75.4 kgs)
PF20A-ASX-SXX-B	166.0 (75.3 kgs)
PF20A-BSX-SXX-B	166.0 (75.3 kgs)
PF20A-FSX-SXX-B	177.1 (80.3 kgs)
(add 28.9 lbs [13.1 kgs] for Stainless steel air motor section)	
Air Section Service Kit	637421
Fluid Section Service Kit	637310-XX
Major Air Valve Assembly	637374-X

PF20X-XXX-SXX-B
637310-XX

Diaphragm Material
Flap Material

Example: Model # PF20A - AAP - SAA-B
Fluid Section Service Kit # 637310-AA

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	172 gpm (651 lpm)
Maximum Particle Size	2" dia (50 mm) semi - solids
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)
Polyurethane	10° to 150°F (-12° to 66°C)
Santoprene®	-40° to 225°F (-40° to 107°C)
PTFE	40° to 225°F (4° to 107°C)
Viton®	-40° to 350°F (-40° to 177°C)
Displacement / Cycle @ 100 psig . . .	1.4 gpm (5.3 lpm)
Noise Level @ 70 psig, 60 cpmⓈ	85.0 dB(A)Ⓢ

Ⓢ1 Tested with 67263 muffler assembly 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:

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



PERFORMANCE CURVES

PF20A-XXX-XXX-B / PF20S-XXX-XXX-B 2" METALLIC FLAP VALVE DIAPHRAGM PUMP

