

SALES & ENGINEERING DATA

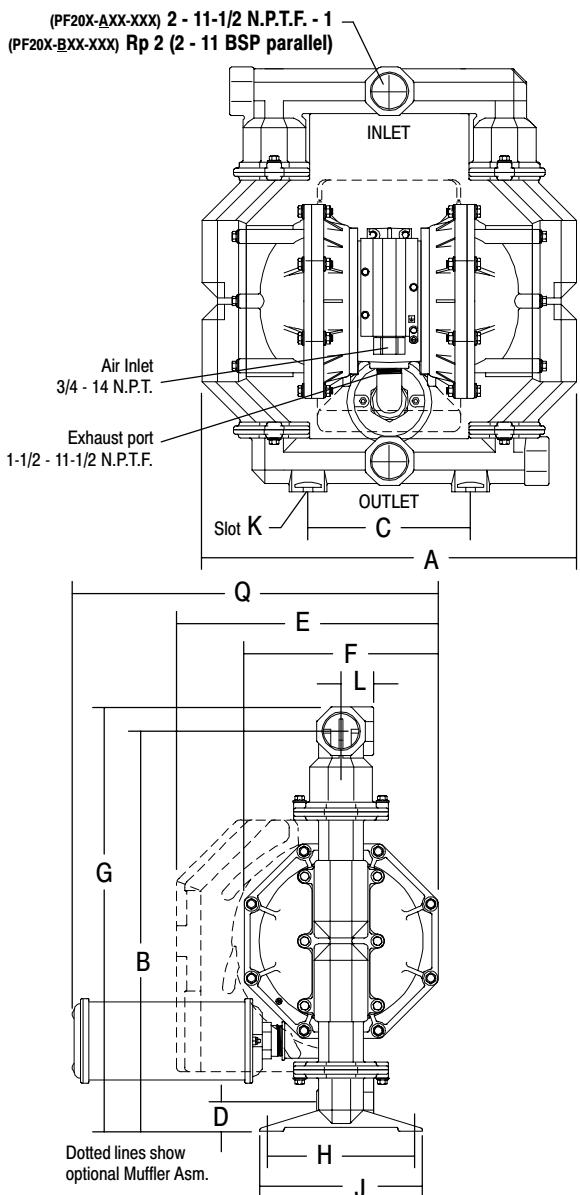
RATIO
SERIES: 1:1

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

PF20X-XXX-XXX 2" METALLIC FLAP VALVE DIAPHRAGM PUMP

RELEASED: 6-17-96
REVISED: 5-31-01
S-854

DIMENSIONAL DATA



DIMENSIONS

A	see below	E	16-3/16" (411 mm)	J	10-1/16" (256 mm)
B	24-3/4" (629 mm)	F	12" (305 mm)	K	9/16" (14 mm)
C	10-1/16" (256 mm)	G	26-1/4" (667 mm)	L	see below
D	see below	H	9-1/16" (230 mm)	Q	21-5/8" (548 mm)
	"A"		"D"		"L"
PF20X-XAX	23-3/16" (588.8 mm)		1-7/8" (47.6 mm)		2" (50.8 mm)
PF20X-XCX	23-3/16" (588.8 mm)		1-7/8" (47.6 mm)		2" (50.8 mm)
PF20X-XSX	22-15/16" (582.4 mm)		2-1/2" (63.5 mm)		2-3/32" (53.0 mm)

NOTE: 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 PF20X-XXX-XXX
Pump Type Metallic, Air Operated, Flap Valve, Double Diaphragm

Ratio 1:1

Material Inlet / Outlet (female)

PF20X-AXX-XXX 2 - 11-1/2 N.P.T.F. - 1
PF20X-BXX-XXX Rp 2 (2 - 11 BSP parallel)

Air Inlet (female) 3/4 - 14 N.P.T.F. - 1

Air Exhaust (female) 1-1/2 - 11-1/2 N.P.T.F. - 1

Weight PF20X-XAX-SXX 74 lbs (34 kgs)
PF20X-XCX-SXX 161 lbs (73 kgs)
PF20X-XSX-SXX 188 lbs (85 kgs)

(add 34 lbs [15 kgs] for stainless steel or cast iron air motor section)

Air Section Service Kit 637302

Fluid Section Service Kit 637310-XX

PF20X-XXX-X
637310 -

Diaphragm Material
Flap Material

EXAMPLE: Model # PF20A-AAP-AAA
Fluid Section Service Kit is 637310-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 (flooded inlet) 170 g.p.m. (643 l.p.m.)

Maximum Particle Size 2" dia. (50 mm) semi-solids

Maximum Temperature Limits 200° F (93° C)

Displacement / Cycle @ 100 p.s.i. 1.4 gal. (5.3 lit.)

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
- 67263 Continuous Muffler Assembly
- 94117 Int. Muffler

PERFORMANCE CURVES

PF20X-XXX-XXX 2" METALLIC FLAP VALVE DIAPHRAGM PUMP

