

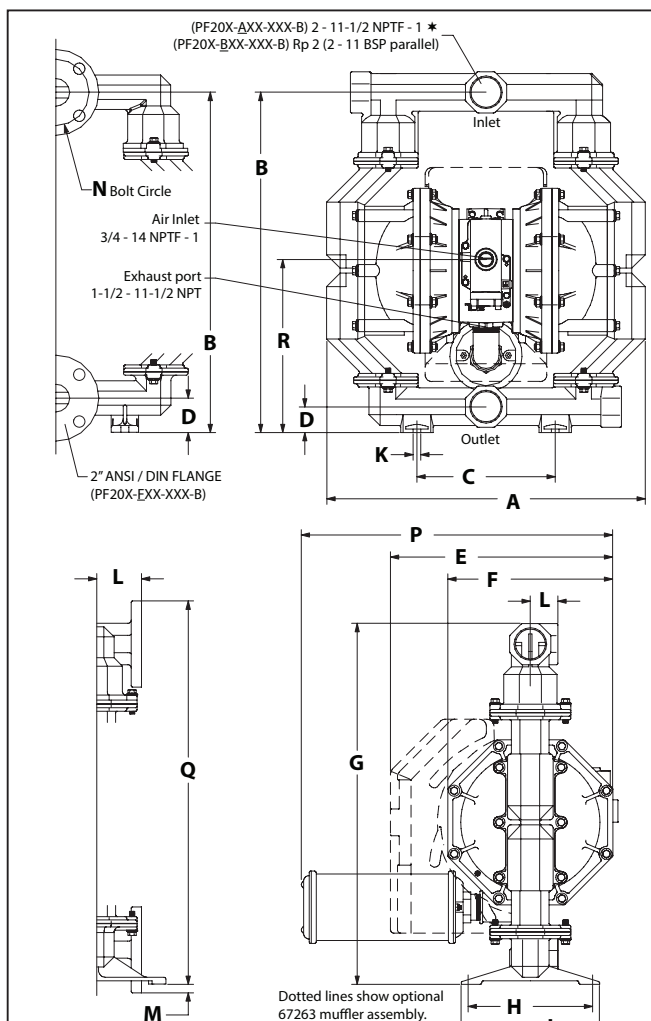
# SALES AND ENGINEERING DATA

RATIO SERIES:	<b>1:1</b>
FLUID PSIG RANGE:	<b>20 - 120</b>

## 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)		

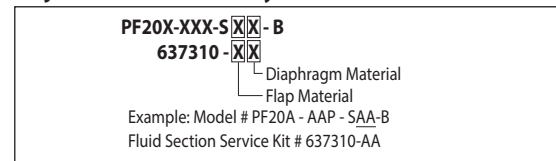
"D"	"L"	"R"
PD20X-XAX-SXX-B 1-7/8" (47.6 mm)	2" (50.8 mm)	12-19/32" (319.9 mm)
PD20X-XCX-SXX-B 1-7/8" (47.6 mm)	2" (50.8 mm)	12-19/32" (319.9 mm)
PD20X-ASX-SXX-B 2-1/2" (63.5 mm)	2-3/32" (53 mm)	13-1/4" (336.6 mm)
PD20X-BSX-SXX-B 2-1/2" (63.5 mm)	2-3/32" (53 mm)	13-1/4" (336.6 mm)
PD20X-FSX-SXX-B 2-1/2" (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

<b>Model Series</b> .....	PF20A-XXX-SXX-B PF20S-XXX-SXX-B
<b>Pump Type</b> .....	Metallic, Air operated, Flap Valve, Double diaphragm
<b>Ratio</b> .....	1:1
<b>Material Inlet / Outlet (female)</b>	
PF20X- <u>AXX</u> -SXX-B .....	2 - 11-1/2 NPTF - 1
PF20X- <u>BXX</u> -SXX-B .....	Rp 2 (2 - 11 BSP parallel)
PF20X- <u>EXX</u> -SXX-B .....	2" ANSI/ DIN Flange
<b>Air Inlet (female)</b> .....	3/4 - 14 NPTF - 1
<b>Air Exhaust (female)</b> .....	1-1/2 - 11-1/2 NPT
<b>Weight</b>	
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)
<b>Air Section Service Kit</b> .....	637421
<b>Fluid Section Service Kit</b> .....	637310-XX
<b>Major Air Valve Assembly</b> .....	637374-X



#### PERFORMANCE

<b>Air Inlet Pressure Range</b> .....	20 - 120 psig (1.4 - 8.3 bar)
<b>Maximum Material Inlet Pressure</b> .....	10 psig (0.69 bar)
<b>Fluid Pressure Range</b> .....	20 - 120 psig (1.4 - 8.3 bar)
<b>Maximum Flow Rate</b> .....	172 gpm (651 lpm)
<b>Maximum Particle Size</b> .....	2" dia (50 mm) semi - solids
<b>Maximum Temperature Limits (diaphragm / ball / seal material)</b>	
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)
<b>Displacement / Cycle @ 100 psig</b> ....	1.4 gpm (5.3 lpm)
<b>Noise Level @ 70 psig, 60 cpm</b> .....	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 (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

#### Illinois Location:

(847) 841-7867

860 Church Rd Elgin, IL 61

#### Minnesota Location:

(651) 758-7867

330 Mill Bay South Suite  
Afton, MN 55001

PumpSupplyInc.com

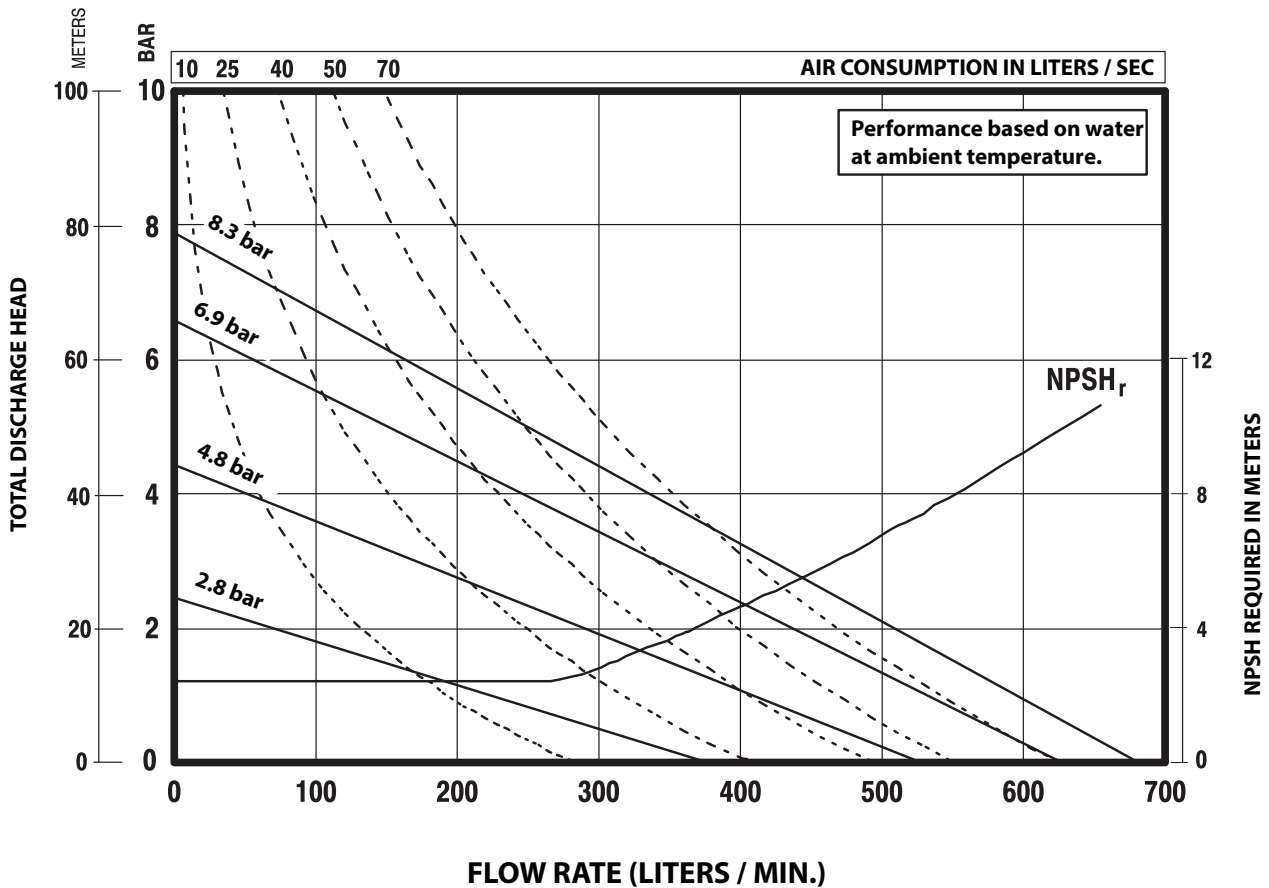
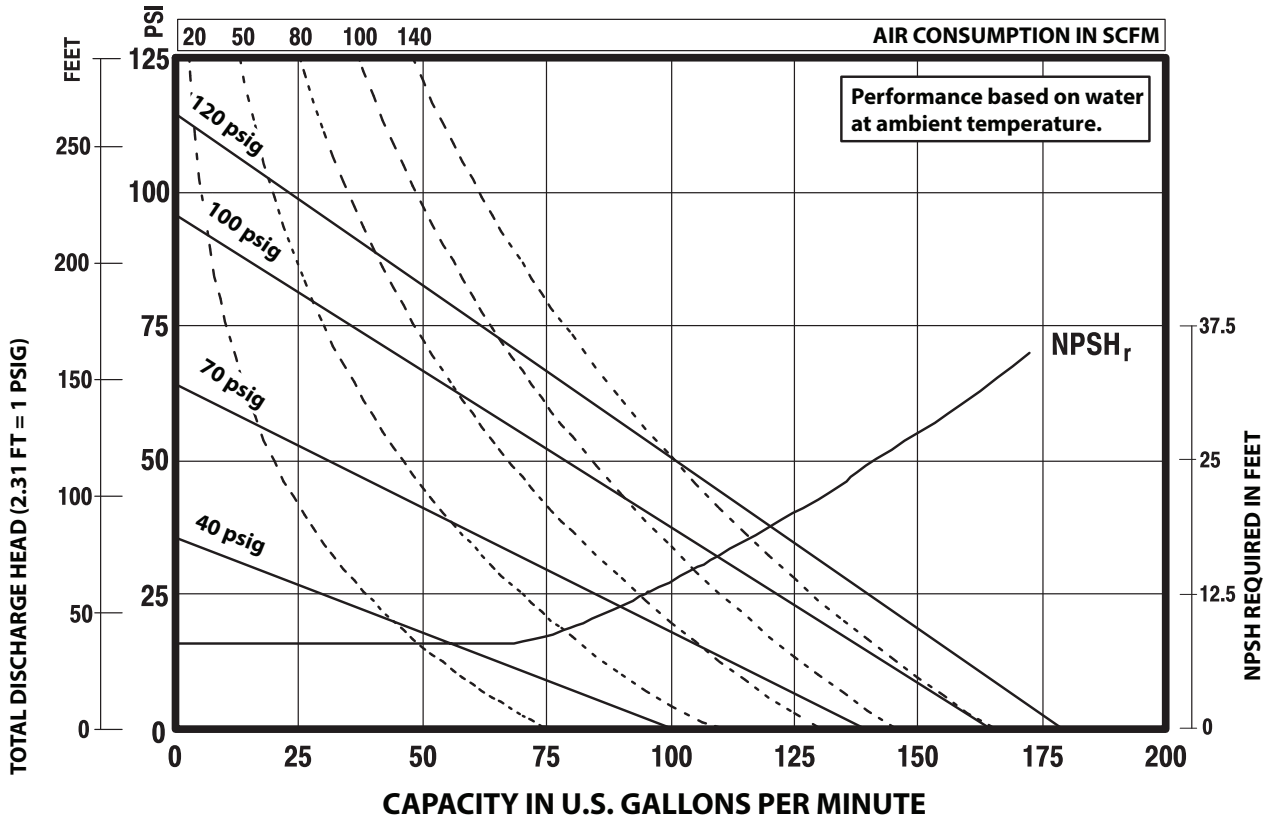


# ARO

**IR** Ingersoll Rand.

# PERFORMANCE CURVES

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



PUMP SUPPLY  
INCORPORATED