

SALES AND ENGINEERING DATA

RATIO SERIES:	1:1
FLUID PSIG RANGE:	10 - 120

PW20P-YXS-XXX-AXX 2" NON-METALLIC DIAPHRAGM PUMP

RELEASED: 12-31-20
REVISED: 11-26-21
(REV: B) S-1626

SPECIFICATIONS

CONSTRUCTION

Model Series	PW20P-YXS-XXX-AXX
Pump Type	Non-Metallic, Air Operated, Double Diaphragm
Ratio	1:1
Material Inlet / Outlet	2" A.N.S.I. / DIN Hybrid Flange
Air Inlet (female)	3/4 - 14 NPTF - 1
Air Exhaust (female)	1-1/2 - 11-1/2 NPSM
Weight	
PW20P-YXS-XXX	116.8 lbs (53 kgs)
PW20P-YPS-XXX	89 lbs (40.4 kgs)
Air Section Service Kit	637369
Fluid Section Service Kit	637373-XX

PERFORMANCE

Maximum Air Inlet Pressure	120 psig (8.3 bar)
Maximum Material Inlet Pressure	10 psig (0.69 bar)
Maximum Outlet Pressure	120 psig (8.3 bar)
Maximum Flow Rate (flooded inlet)	184 gpm (696 lpm)
Displacement / Cycle @ 100 psig	1.4 gal. (5.3 lit.)
Maximum Suction Lift (Dry Inlet)	19.5 ft (5.9 m) water
Maximum Suction Lift (Flooded Inlet)	31 ft (9.5 m) water
Maximum Particle Size	1/4" dia. (6.4 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)	
E.P.R. / EPDM	-60° to 280° F (-51° to 138° C)
Hytrel®	-20° to 180° F (-29° to 82° C)
Nitrile	10° to 180° F (-12° to 82° C)
Polypropylene	32° to 175° F (0° to 79° C)
Conductive Polypropylene	32° to 175° F (0° to 79° C)
PVDF	10° to 200° F (-12° to 93° 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)
Noise Level @ 70 psig - 60 cpm ^①	85.0 dB(A) ^②

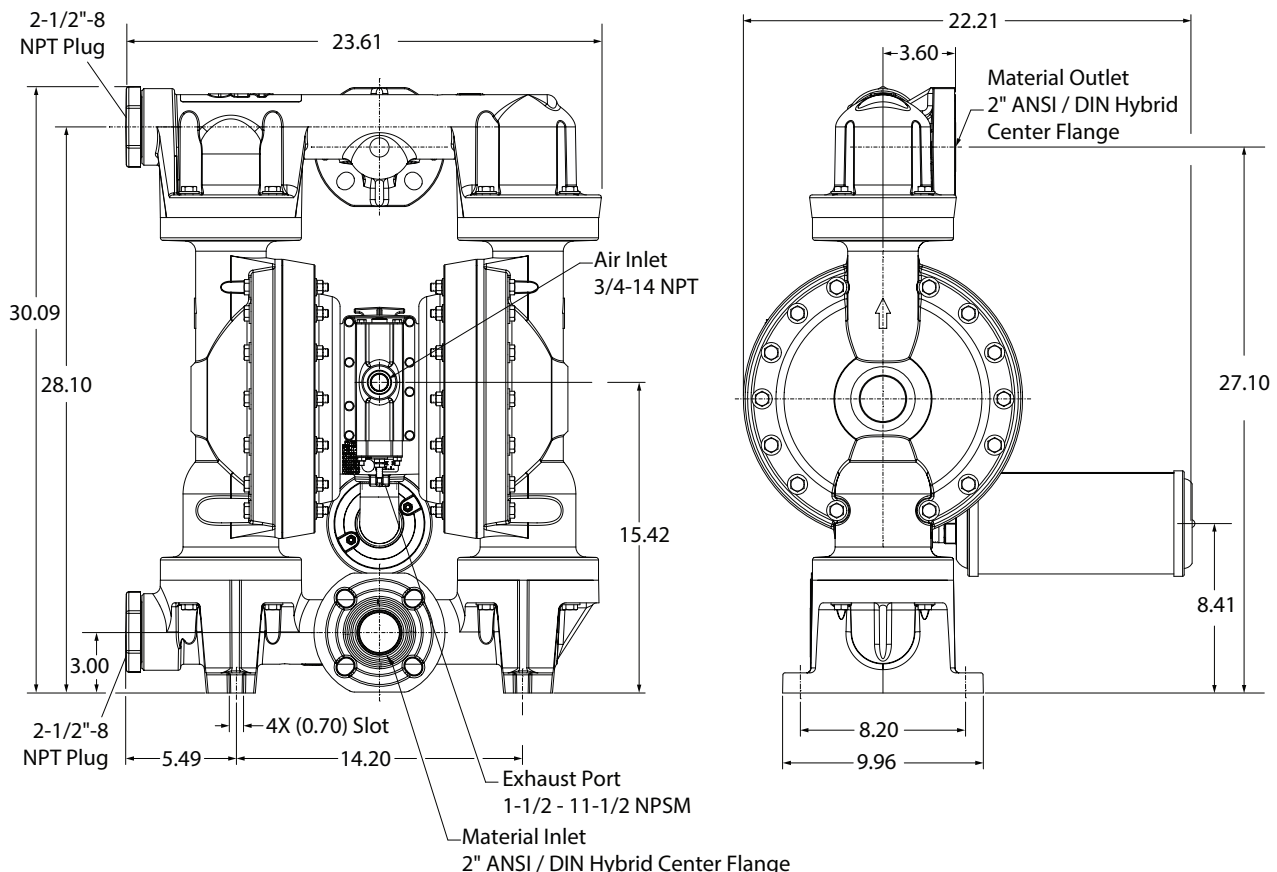
PW20P-YXS-XXX-AXX
637373-XX
Diaphragm Material
Ball Material
EXAMPLE: Model #PW20P-YXS-KAA
Fluid Section Service Kit is 637373-AA

① Tested with 67263 muffler assembly installed.
② The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LA_{eq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

DIMENSIONAL DATA

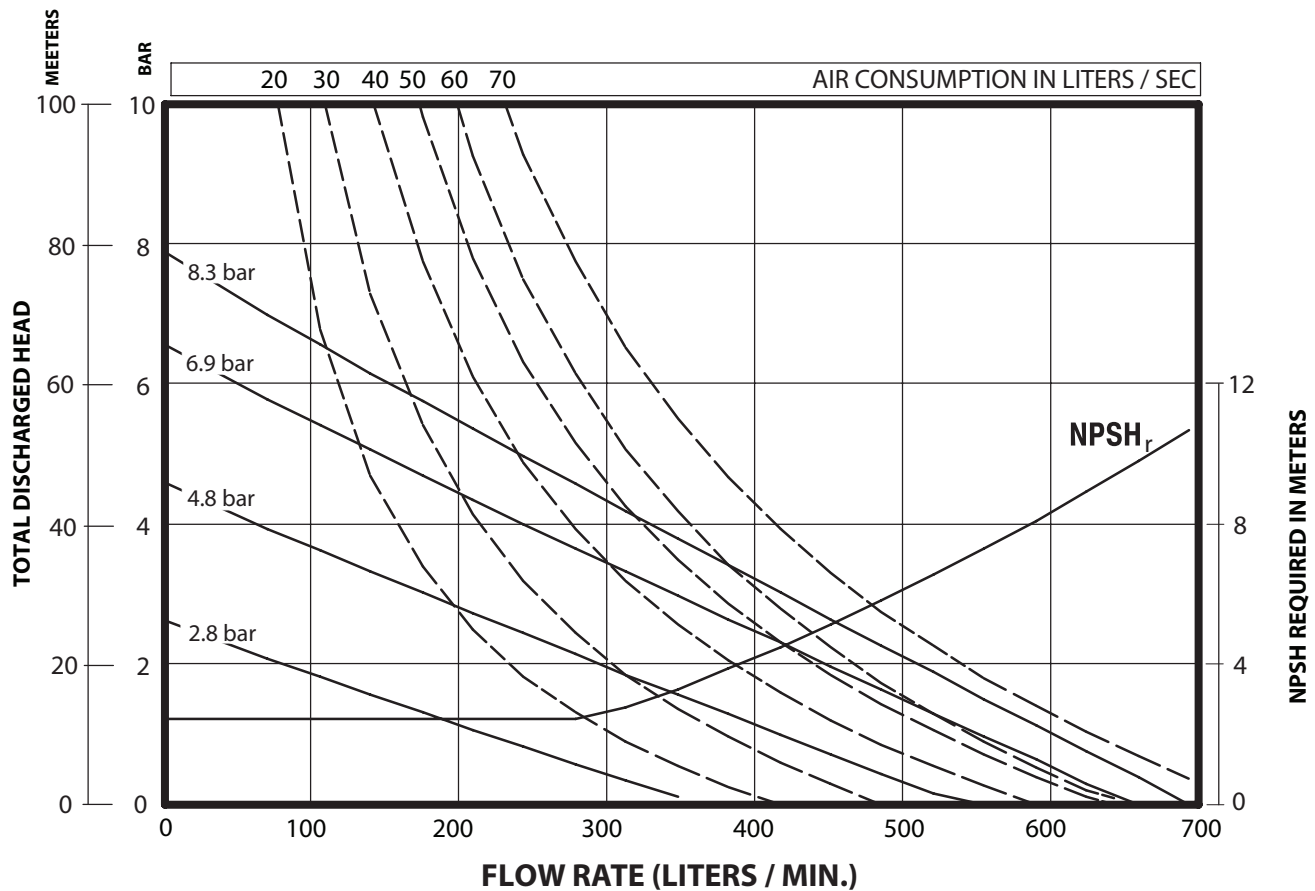
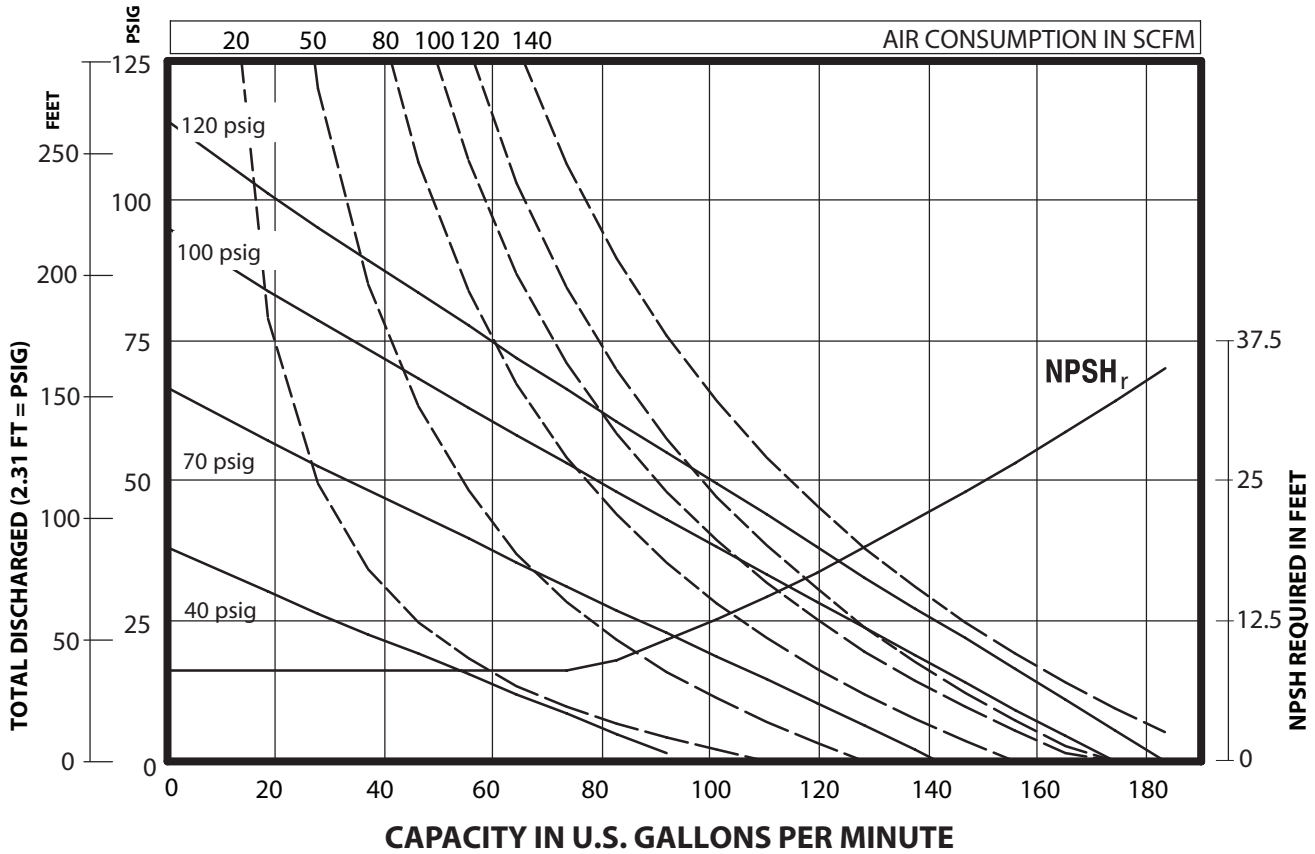
Dimensions shown are for reference only, they are displayed in inches.

PW20P-YXS-XXX-AXX



PERFORMANCE CURVES

PW20P-YXS-XXX 2" NON-METALLIC DIAPHRAGM PUMP



Performance based on an elastomeric fitted pump, flooded suction with water at ambient conditions. Due to varying materials of construction, assembly configurations and operating conditions, published data is for reference only.