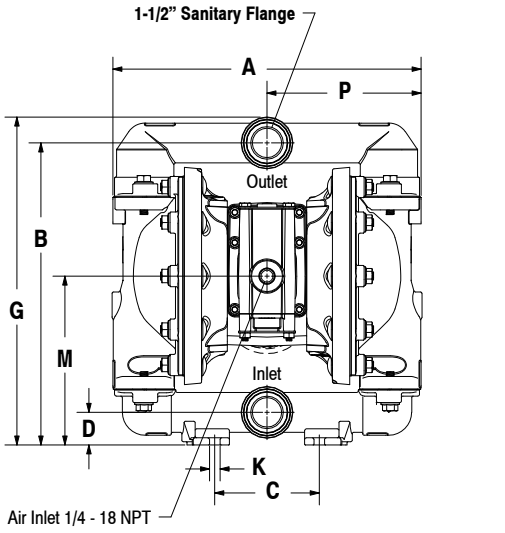
SALES & ENGINEERING DATA

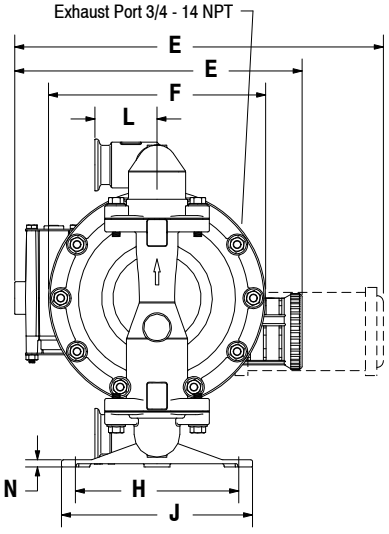
RATIO SERIES:	1:1
FLUID P.S.I. RANGE:	20 - 120

PM10X-CSS-XXX-A02
1" METALLIC DIAPHRAGM PUMP

RELEASED: 2-28-05
REVISED: 5-1-15
(REV. G) S-1307

DIMENSIONAL DATA





DIMENSIONS

A - 11-13/16" (299.8 mm)	F - see below	L - 2-3/8" (60.3 mm)
B - 11-9/16" (293.7 mm)	G - 12-9/16" (318.9 mm)	M - 6-15/32" (164.3 mm)
C - 4" (101.6 mm)	H - 6-1/4" (158.8 mm)	N - 9/32" (7.0 mm)
D - 1-1/4" (31.8 mm)	J - 7-5/16" (185.7 mm)	P - 5-29/32" (149.9 mm)
E - see below	K - 13/32" (10.3 mm)	

	"E"	"F"
PM10A-CSS-XXX-A02	13-27/32" (351.4 mm)	8-3/16" (207.9 mm)
PM10R-CSS-XXX-A02	10-25/32" (273.2 mm)	8-5/16" (211.1 mm)
PM10S-CSS-XXX-A02	13-27/32" (351.4 mm)	8-3/16" (207.9 mm)

SPECIFICATIONS

CONSTRUCTION

Model Series PM10X-CSS-XXX-A02
Pump Type . . . . . Metallic, Air Operated, Double Diaphragm
Ratio 1:1
Material Inlet / Outlet . . . . . 1-1/2" Sanitary Flange
Air Inlet (female) . . . . . 1/4 - 18 NPT
Air Exhaust (female) . . . . . 3/4 - 14 NPT.
Weight . . PM10A-CSS-XXX-A02 . . . 44.84 lbs (20.3 kgs)
PM10R-CSS-XXX-A02 . . . 38.2 lbs (17.3 kgs)
PM10S-CSS-XXX-A02 . . . 51.64 lbs (23.4 kgs)
Air Section Service Kit 637397
Major Air Valve Assembly
PM10A-CSS-XXX-A02 637395-3
PM10R-CSS-XXX-A02 637395-1
PM10S-CSS-XXX-A02 637395-5
Fluid Section Service Kit 637401-XX

PM10X-CSS-X [X][X] -A02
637401 - [X][X]
Diaphragm Material
Ball Material

EXAMPLE: Model # PM10A-CSS-AAA-A02
Fluid Section Service Kit is 637401-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 (flooded inlet) . . . 52.2 gpm (197.6 lpm)
Displacement / Cycle @ 100 psig . . 0.232 gal. (0.88 lit.)
Maximum Particle Size . . . . . 1/8" dia. (3.3 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)
E.P.R. / EPDM . . . . . -60° to 280° F (-51° to 138° C)
Polypropylene . . . . . 35° to 175° F (2° to 79° C)
Santoprene . . . . . -40° to 225° F (-40° to 107° C)
PTFE . . . . . 40° to 225° F (4° to 107° C)
Noise Level @ 70 psig - 60 cpm . . . 80.6 dBA)①

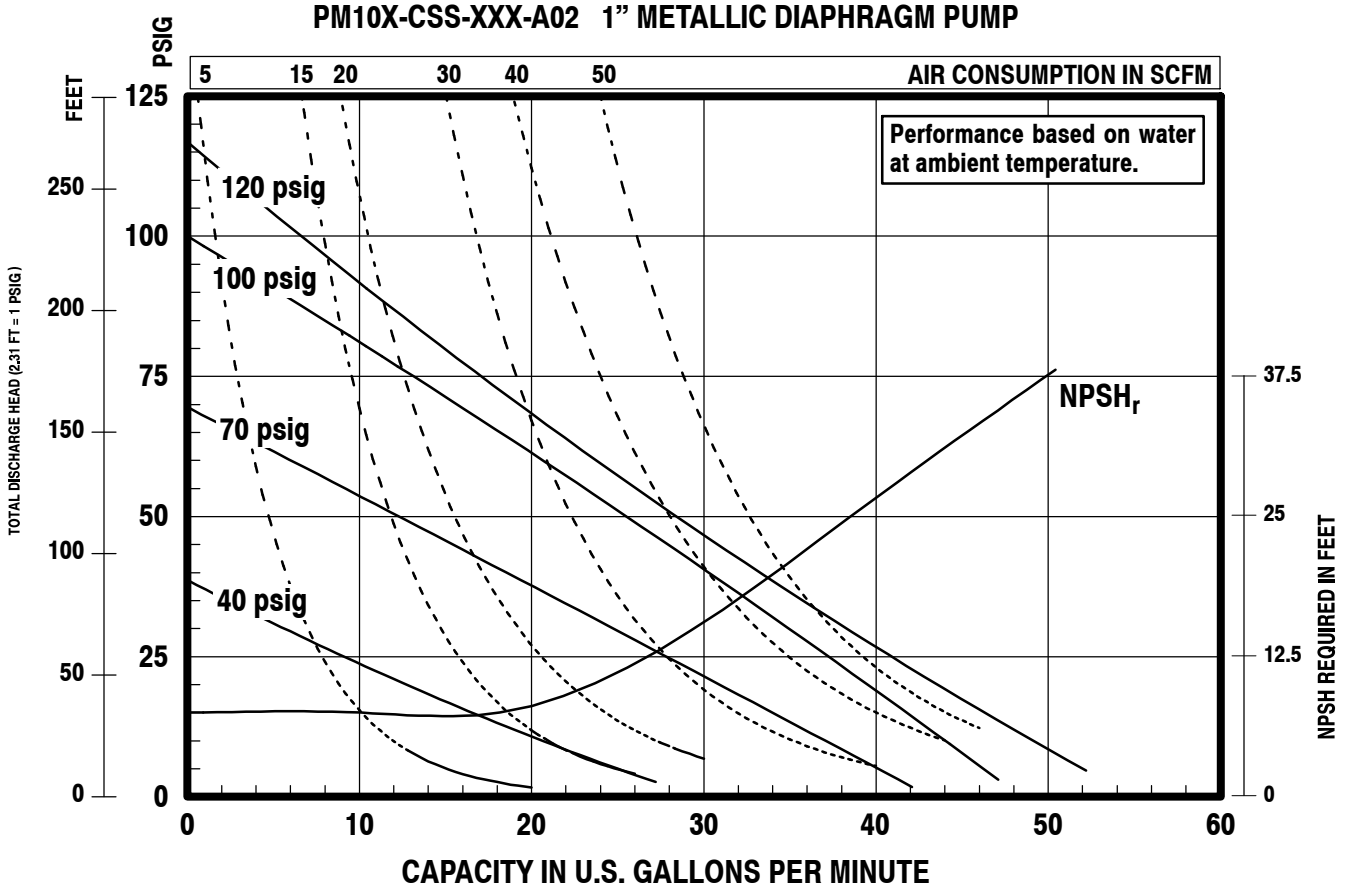
① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (LA_{eq}) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

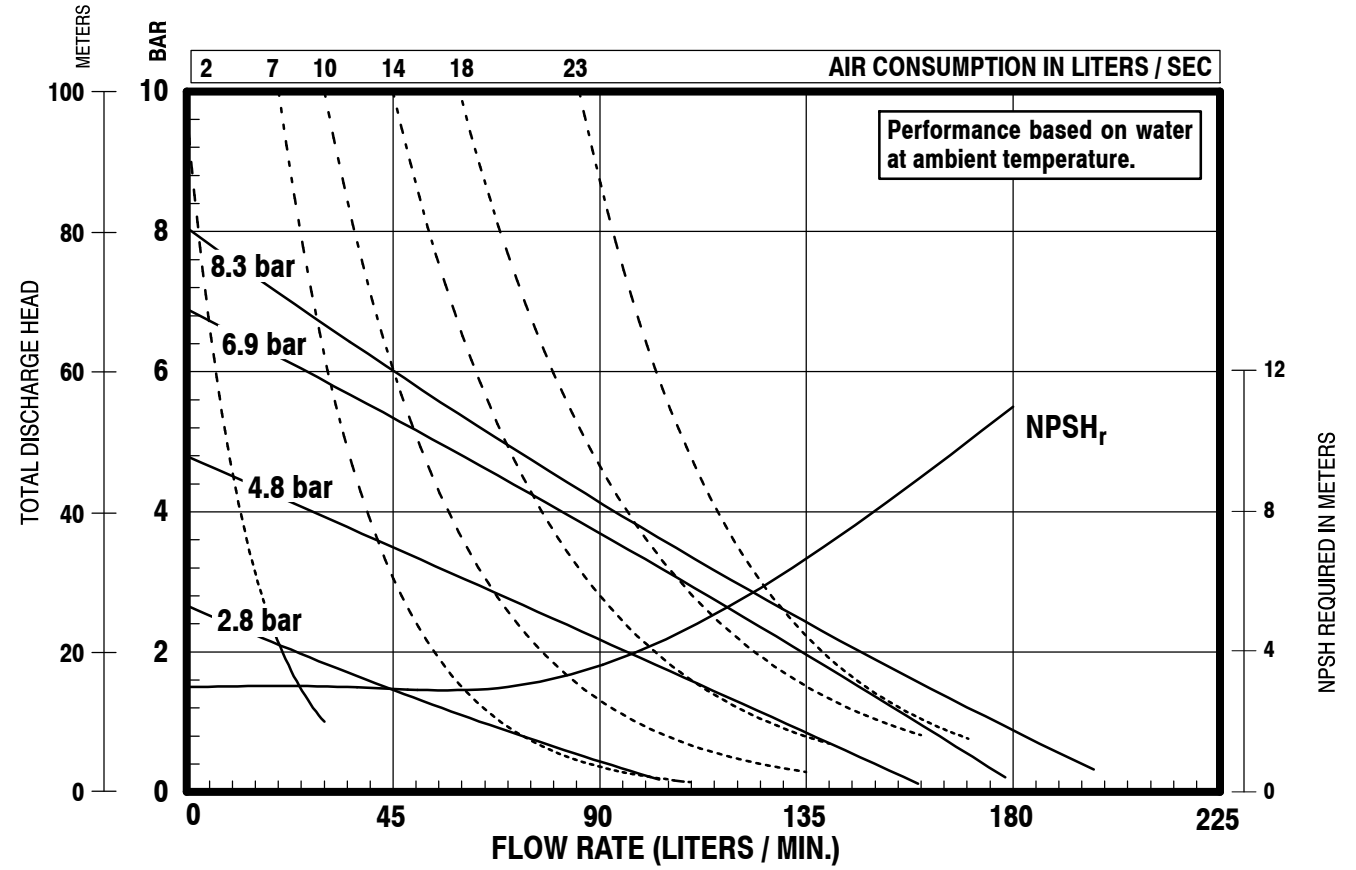
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PERFORMANCE CURVES





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