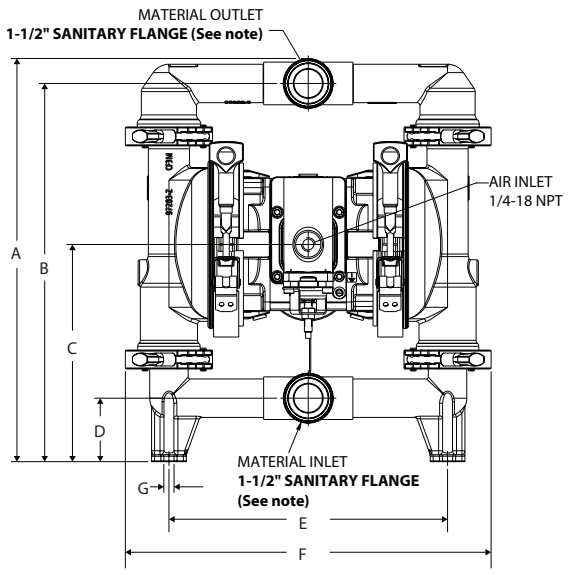
SALES AND ENGINEERING DATA

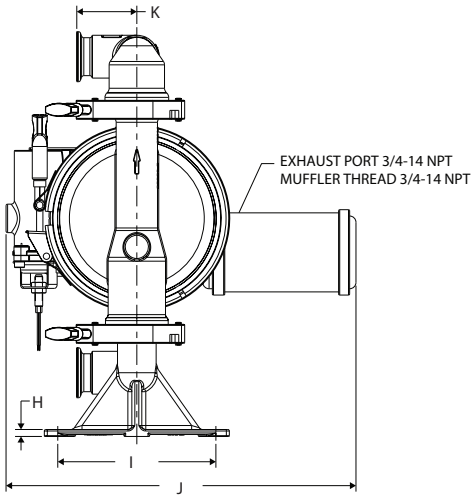
RATIO SERIES:	1:1
FLUID PSIG RANGE:	20 - 120

SD10X-XXX-XXX-BXXX
1" Metallic Diaphragm Pump

RELEASED: 3-17-17
REVISED: 3-29-19
(REV: C) S-1598

DIMENSIONAL DATA





DIMENSIONS

A - 16.01" (406.6 mm)
B - 15.0" (381.4 mm)
C - 8.6" (219.0 mm)
D - 2.5" (64.0 mm)
E - 11.0 " (281.0mm)
F - 14.5" (368.9 mm)
G - 0.4" (10.3 mm)
H - 0.2" (7.0 mm)
I - 6.2" (158.8 mm)
J - 13.8" (351.4 mm) (SD10S-XXX-XXX-BXXX)
14.1" (358.5 mm) (SD10R-XXX-XXX-BXXX)
K - 2.3" (60.3 mm)

NOTE: Dimensions are shown in inches and (mm) and are supplied for reference only.
NOTE: Sanitary flange dimensions per 1-1/2 inch ASME BPE-2012 and ISO 2852-1993 38 mm.

SPECIFICATIONS

Model Series SD10X-XXX-XXX-BXXX
Pump Type ..... Metallic, air operated, double diaphragm pump
Ratio 1:1
Weight
SD10S-XXX-XXX-BXXX ..... 58.4 lbs (26.5 kgs)
SD10R-XXX-XXX-BXXX ..... 47.33 lbs (21.47 kgs)
Fluid Section Service Kit 637493-XX
Air Section Service Kit 637495
Major Air Valve Assembly Service Kit
637496 for models SD10S-XXX-XXX-BXXX
637496-1 for models SD10R-XXX-XXX-BXXX

SD10X-XXX-XXX-BXXX
Example: Models SD10S-CSS-S M M-BXXX 637493 - X X
Fluid Section Service Kit # 637493-MM
Ball ┘ └ Diaphragm

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 ..... 54 gpm (204.4 lpm)
Displacement / Cycle @ 100 psig .... 0.258 gal (0.98 lit)
Maximum Particle Size ..... 1/8" dia (3.2 mm)
Maximum Temperature Limits (diaphragm / ball / seal / seat material)
Santoprene® ..... -40° to 225° F (-40° to 107° C)
PTFE ..... 40° to 225° F (4° to 107° C)
Hytrel® ..... -20° to 180° F (-29° to 82°C)
Noise Level @ 70 psig, 60 cpm ..... 80.6 dB(A)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.

INGERSOLL RAND COMPANY LTD
209 NORTH MAIN STREET – BRYAN, OHIO 43506
✆ (800) 495-0276 • FAX (800) 892-6276

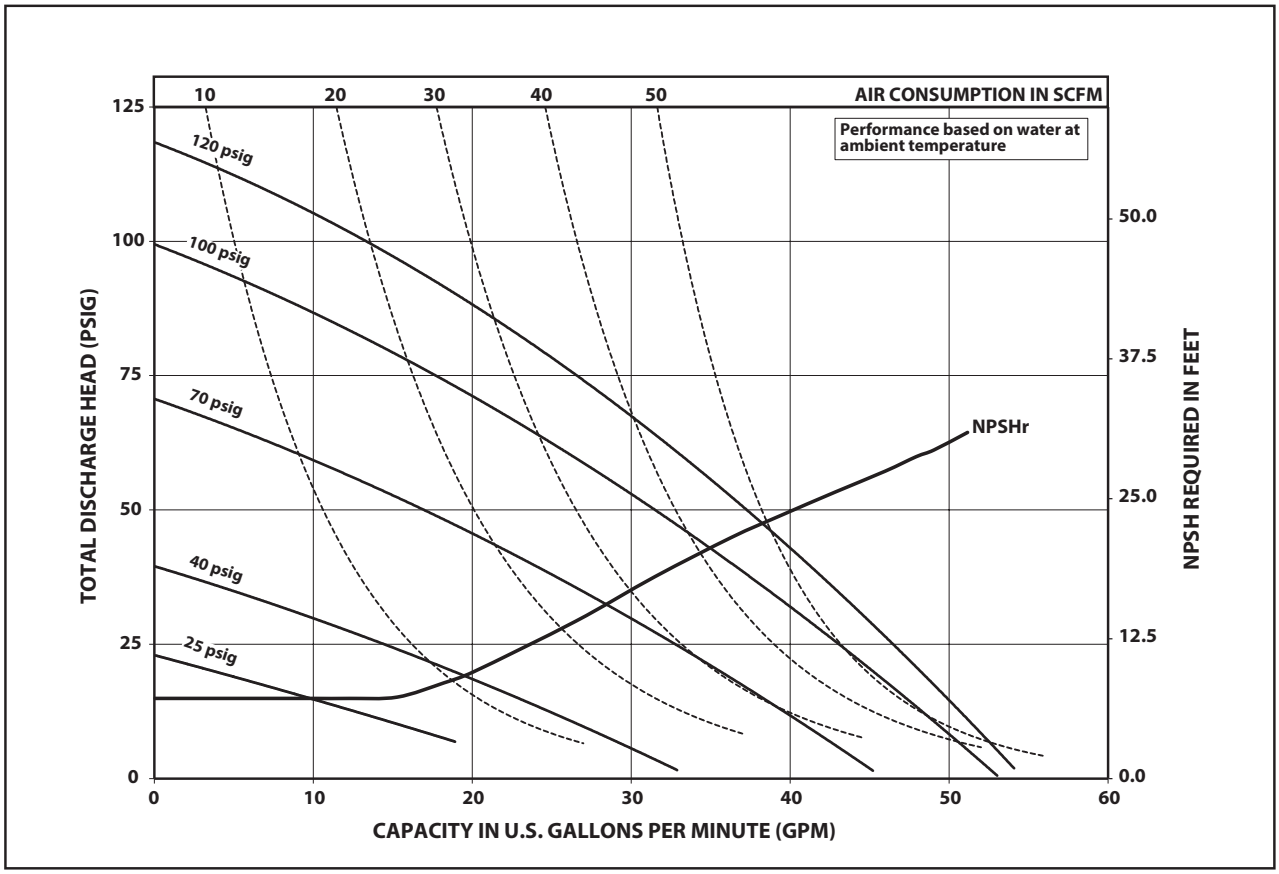
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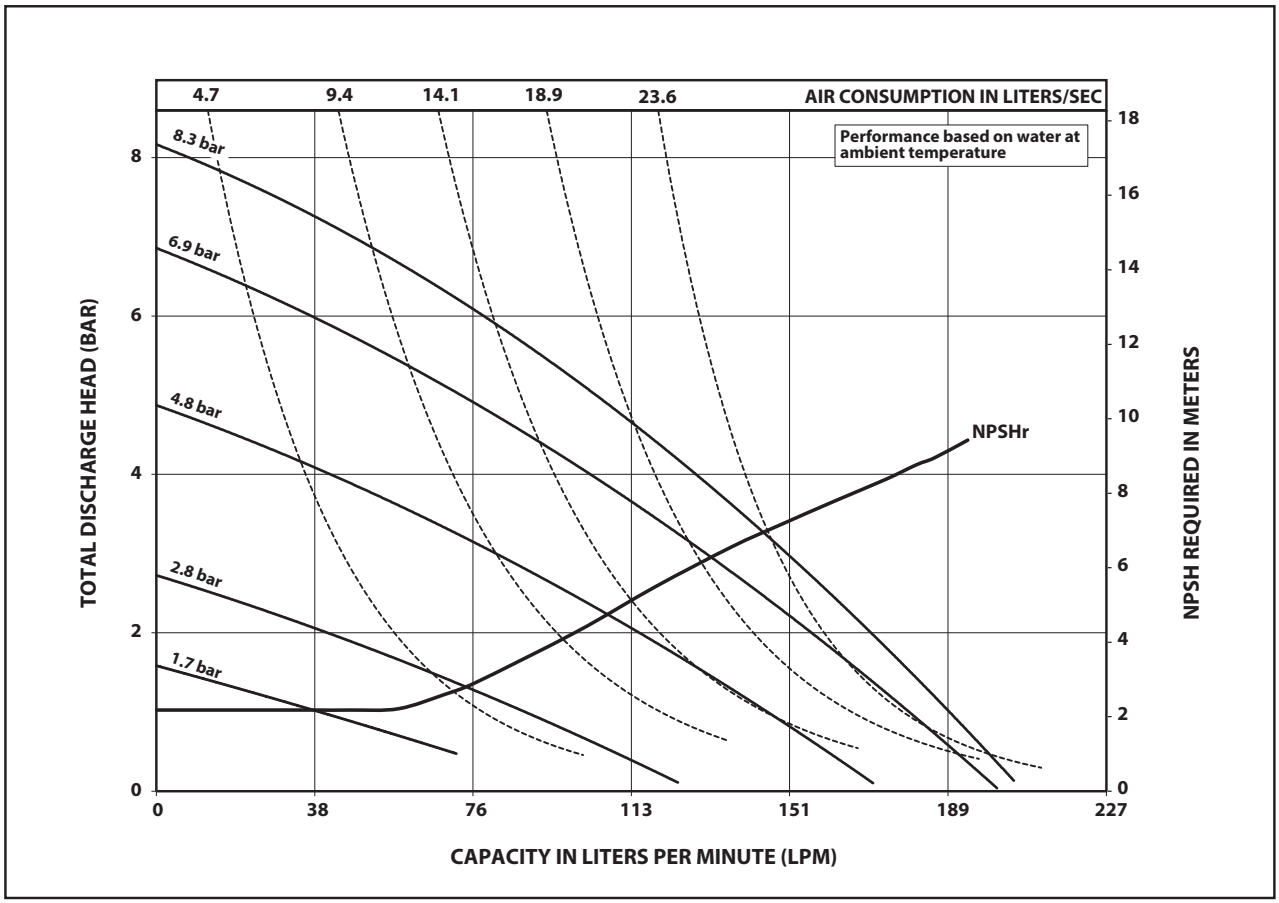
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PERFORMANCE CURVES

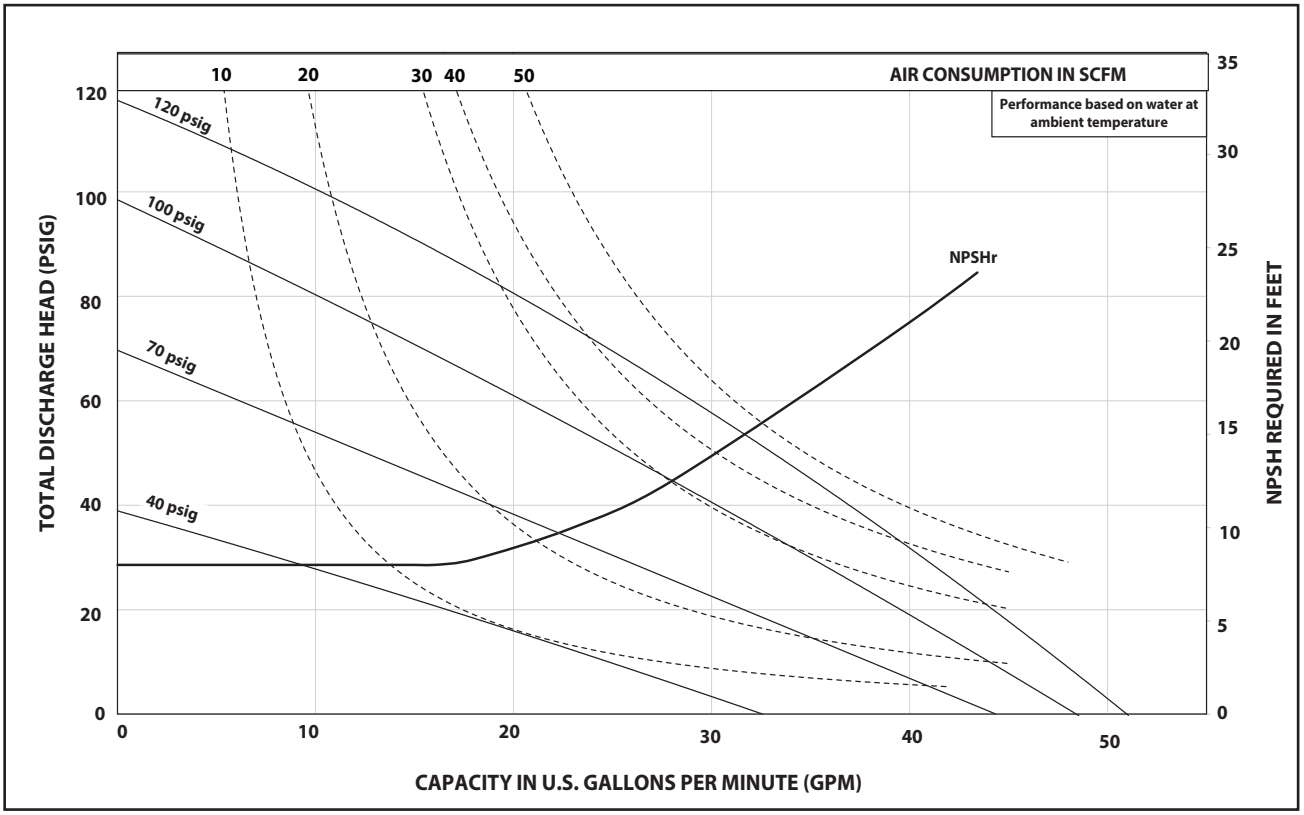
SD10X-XXX-XXX-BXXX 1" METALLIC DIAPHRAGM PUMP FOR SANTOPRENE DIAPHRAGMS

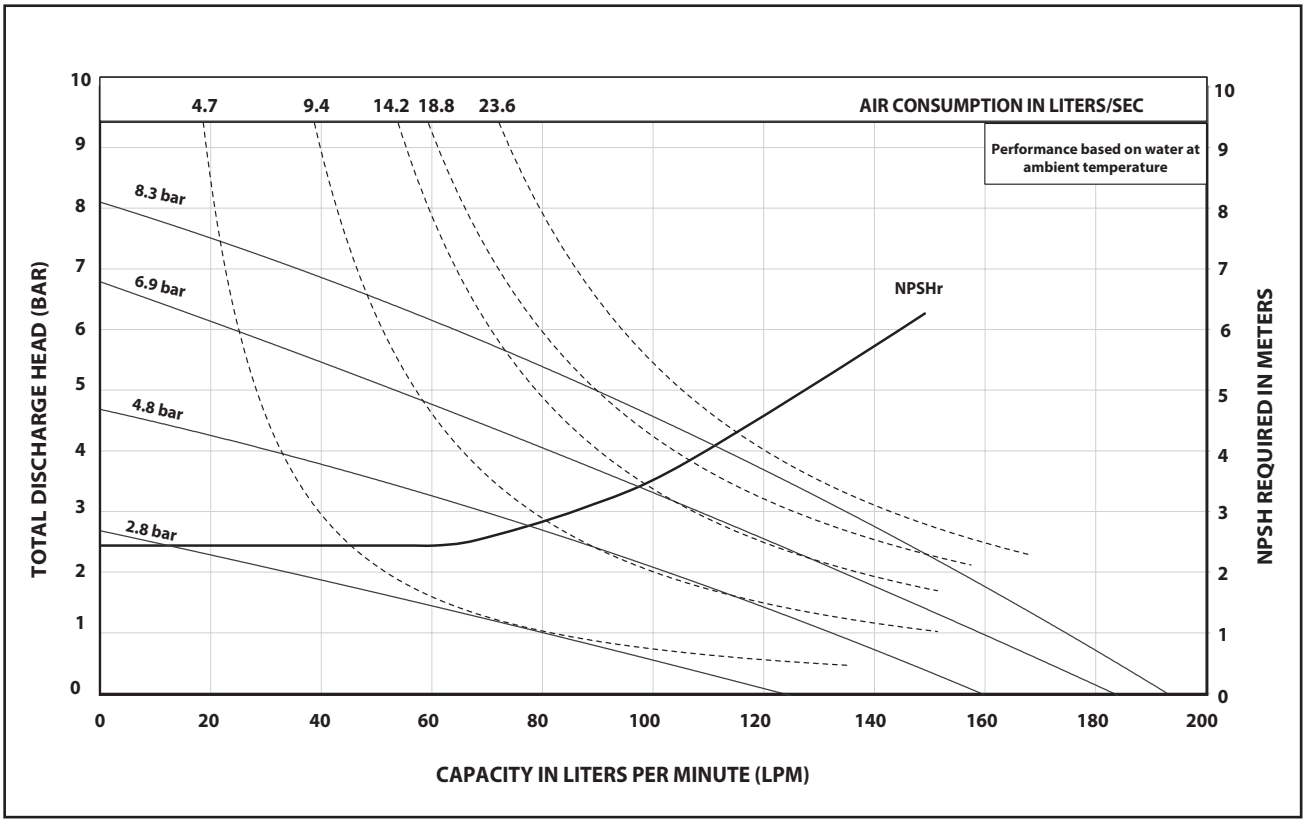




PERFORMANCE CURVES

SD10X-XXX-XXX-BXXX 1" METALLIC DIAPHRAGM PUMP FOR PTFE COMPOSITE DIAPHRAGMS





NOTES