



Air Operated Double Diaphragm Pump

Technical Specifications

1" Metallic

1" METALLIC DESCRIPTION INFO

SP100 - 10X - XX - XXX - X

PORT SIZE

FLUID CONNECTION
 N - 1"-11.5 NPTF-1
 B - Rp 1" (BSPP)

DRIVE MATERIAL

P - Polypropylene
 C - Static Dissipative Nylon

WET-END MATERIAL

A - Aluminum
 M - Stainless Steel

DIAPHRAGM

S - Santoprene®
 H - Hytrel™
 T - PTFE with bonded EPDM backer

BALLS

S - Santoprene®
 H - Hytrel™
 T - PTFE
 M - Stainless Steel

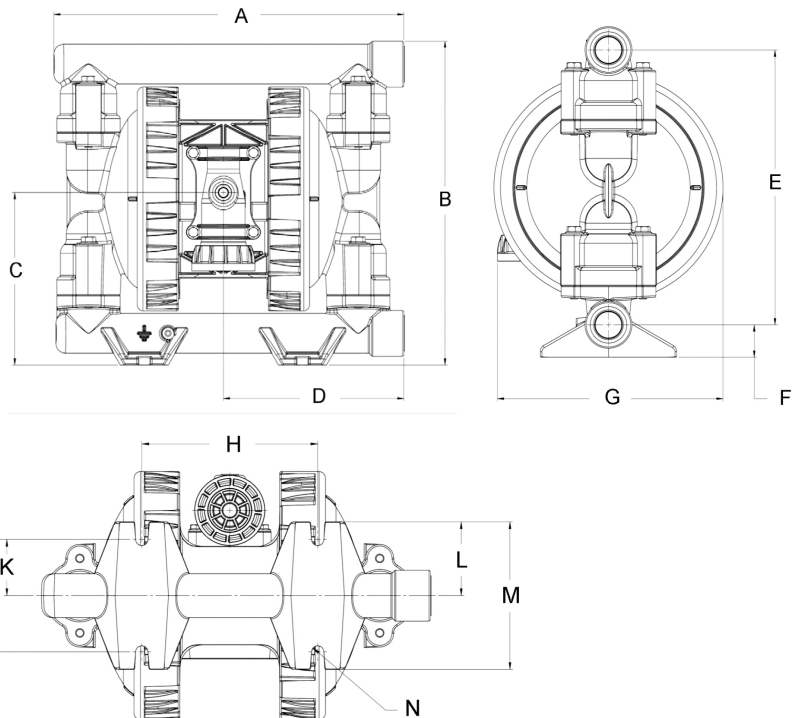
SEATS

S - Santoprene®
 H - Hytrel™
 M - Stainless Steel with PTFE O-Ring
 A - Aluminum with PTFE O-Ring

OPTIONS

FLUID SECTION SERVICE KIT **KITS10 X X X**
DIAPHRAGM

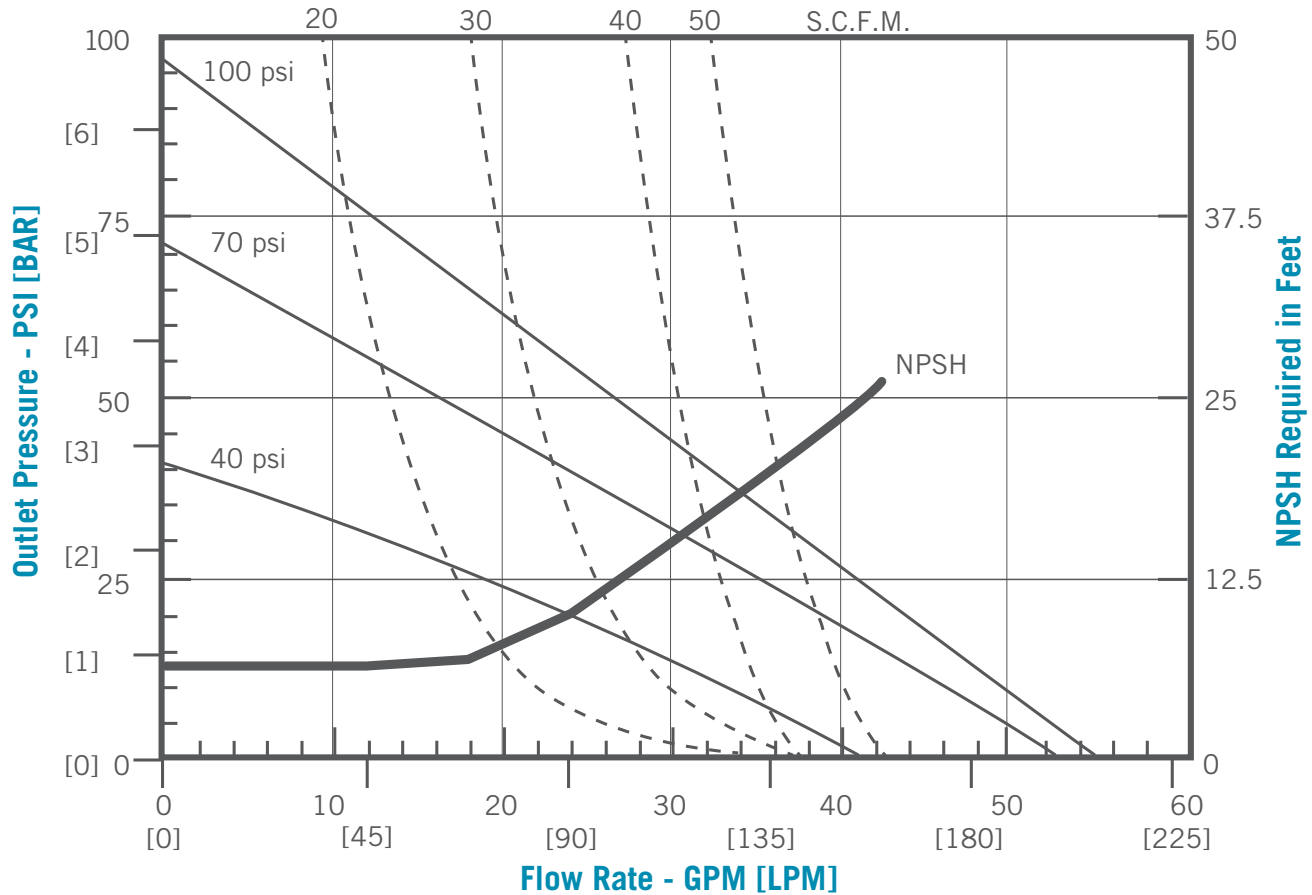
BALLS
SEATS



Dimensions		
A	13.822"	351.08 mm
B	12.765"	342.23 mm
C	6.798"	172.67 mm
D	7.125"	180.98 mm
E	11.860"	301.20 mm
F	1.250"	31.75 mm
G	8.855"	224.91 mm
H	6.250"	158.75 mm
J	4.000"	101.60 mm
K	2.000"	50.80 mm
L	2.625"	66.68 mm
M	5.250"	133.35 mm
N*	.219"	5.56 mm

*Radius

SP100-10X-XX-XXX



Product Specs

Pump Type	Metallic Air-Operated Double Diaphragm
Models / Construction Materials	See Model Description Chart
Maximum Air Inlet Pressure	100 psig (6.9 bar)
Maximum Material Inlet Pressure	10 psig (.69 bar)
Maximum Outlet Pressure	100 psig (6.9 bar)
Air Consumption (@ 40 PSI)	1.12 cfm / gallon (approx.)
Air Connection	1/4" NPT
Maximum Flow Rate (flooded inlet)	56 gpm (212 lpm)
Displacement / Cycle @ 100 PSIG	0.22 gal (0.83 lit)
Maximum Suction Lift	Dry 14 Feet, Wet 29 Feet
Maximum Particle Size	3/16" dia (4.8 mm)
Hytrel™	-20° to 150° F (-29° to 66° C)
Polypropylene	35° to 175° F (2° to 79° C)
Nylon	35 to 240° F (2° to 116° C)
Santoprene®	-40° to 225° F (-40° to 107° C)
PTFE	40° to 225° F (4° to 107° C)
Acetal	10° to 180° F (-12° to 82° C)

Dimensions

Box Dimensions	13½" (H) x 17½" (W) x 11¼" (D)
Aluminum Pump Weight	23 lbs. (10.5 Kg.)
Stainless Steel Pump Weight	73 lbs. (16.9 Kg.)
Aluminum (Box Weight)	28 lbs. (12.7 Kg.)
Stainless Steel (Box Weight)	78 lbs. (35.4 Kg.)
Noise Level	79.7 db (A) (at 70 PSI, 60 CPM)

Accessories

Part #	Description	Content
KITS10WMA	Wall Mount Bracket	Steel bracket for wall mount applications
KITS10FRH	Filter / Regulator	Air line filter, regulator, and hose
KITS05MUF	Muffler	Muffler for air exhaust
KITS10WCH	Assembly Wrench	Special service tool for use on fluid cap rings



8825 Aviation Drive
Fort Wayne, Indiana 46809
P (800) 634-2695 or (260) 747-7524
F (800) 866-4861
www.tuthill.com/AODD

