



Air Operated Double Diaphragm Pump

Technical Specifications

1" Non-Metallic

1" NON-METALLIC DESCRIPTION INFO

SP100 - 10X - XX - XXX - X

PORT SIZE

FLUID CONNECTION

F - 1" ANSI / DIN Flange

DRIVE MATERIAL

P - Polypropylene

WET-END MATERIAL

P - Polypropylene
F - PVDF

DIAPHRAGM

S - Santoprene®
T - PTFE with bonded EPDM backer

BALLS

S - Santoprene®
T - PTFE
M - Stainless Steel

SEATS

S - Santoprene®
P - Polypropylene with PTFE O-Ring
F - PVDF with PTFE O-Ring

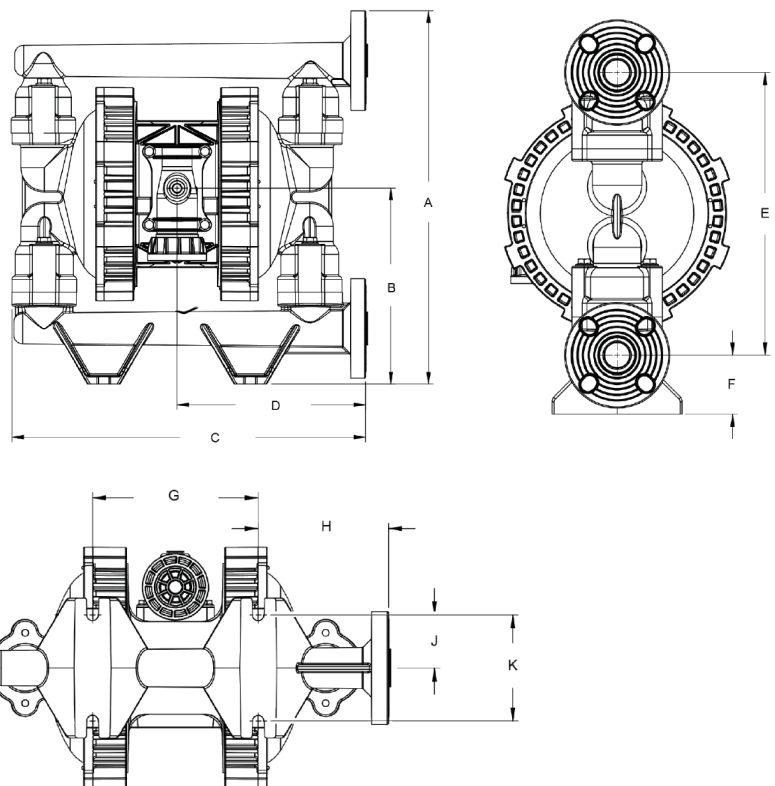
OPTIONS

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

DIAPHRAGM

BALLS

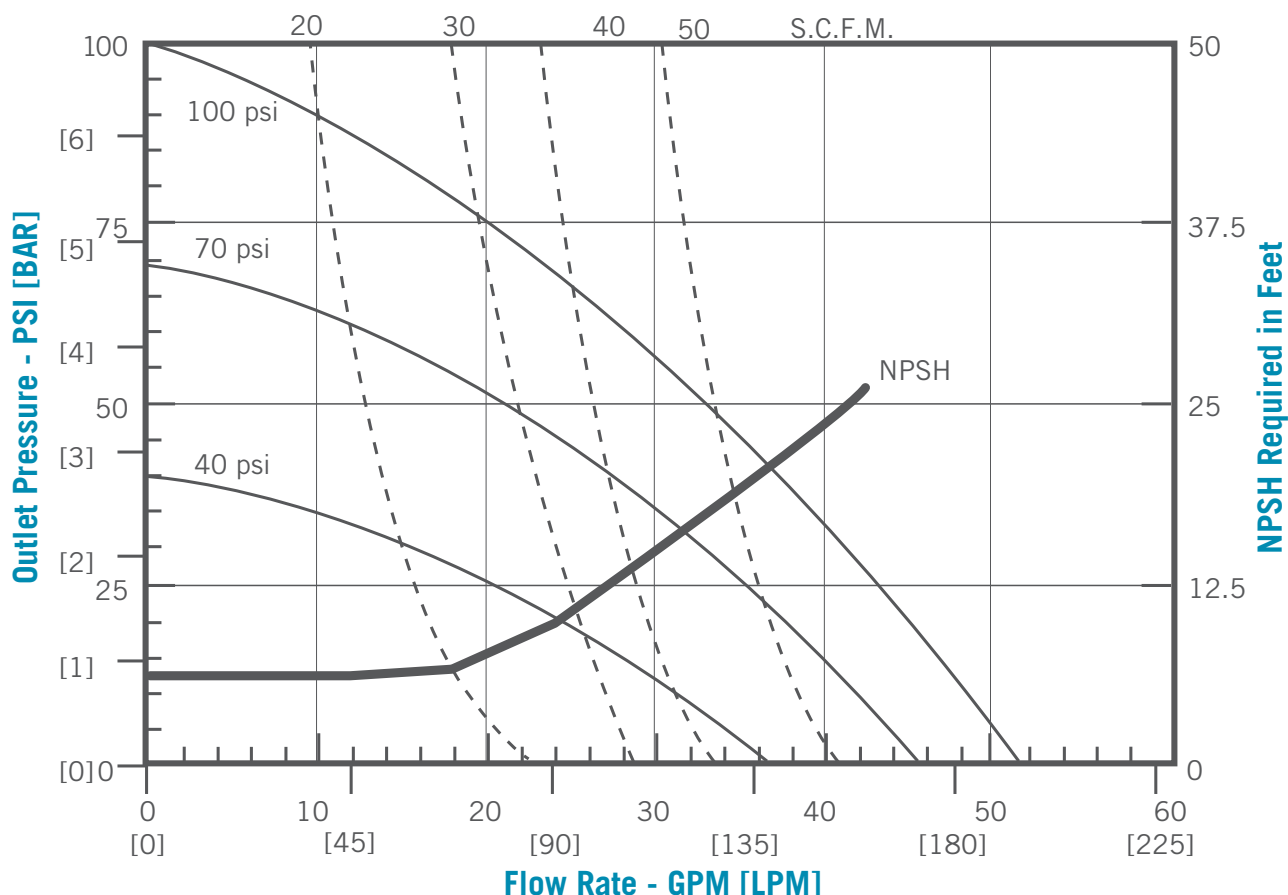
SEATS



Dimensions

A	15.90"	403.96 mm
B	8.35"	212.01 mm
C	15.07"	382.79 mm
D	8.03"	203.96 mm
E	11.41"	289.76 mm
F	2.37"	60.25 mm
G	6.25"	158.75 mm
H	4.91"	124.71 mm
J	2.000"	50.80 mm
K	4.00"	101.60 mm

SP100-10X-XX-XXX



Product Specs

Pump Type	Non-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)	1.21 cfm / gallon (approx.)
Air Connection	1/4" NPT
Maximum Flow Rate (flooded inlet)	51 gpm (193 lpm)
Displacement / Cycle @ 100 PSIG	0.21 gal (0.79 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)
Santoprene®	-40° to 225° F (-40° to 107° C)
PTFE	40° to 225° F (4° to 107° C)
PVDF	10° to 200° F (-12° to 93° C)

Dimensions

Box Dimensions	16½" (H) x 17½" (W) x 11¼" (D)
Polypropylene Pump Weight	16 lbs. (7 Kg.)
PVDF Pump Weight	21 lbs. (10 Kg.)
Polypropylene (Box Weight)	22 lbs. (10 Kg.)
PVDF (Box Weight)	27 lbs. (12 Kg.)

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



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