



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

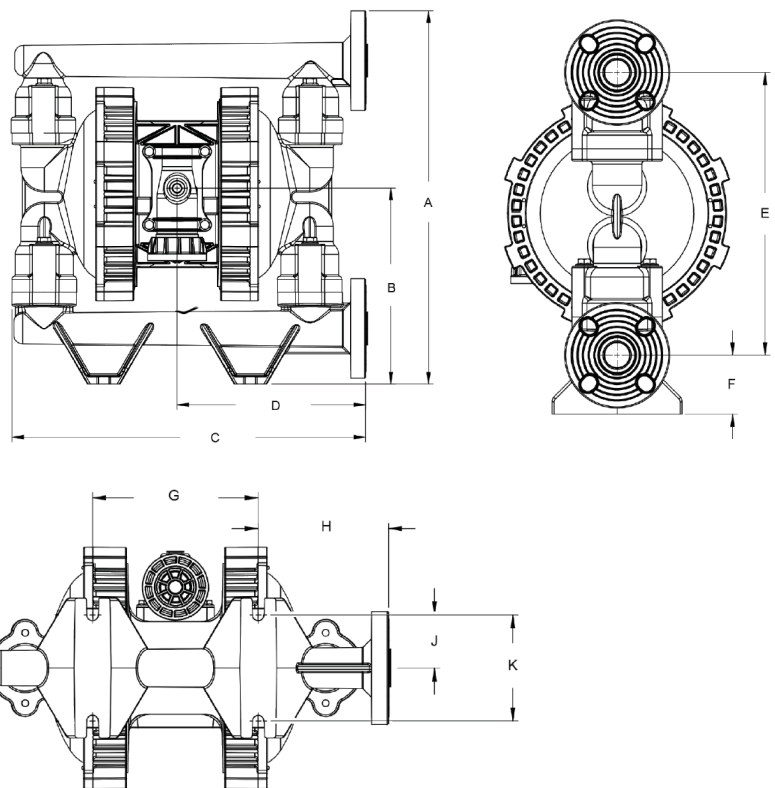
OPTIONS

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

DIAPHRAGM

BALLS

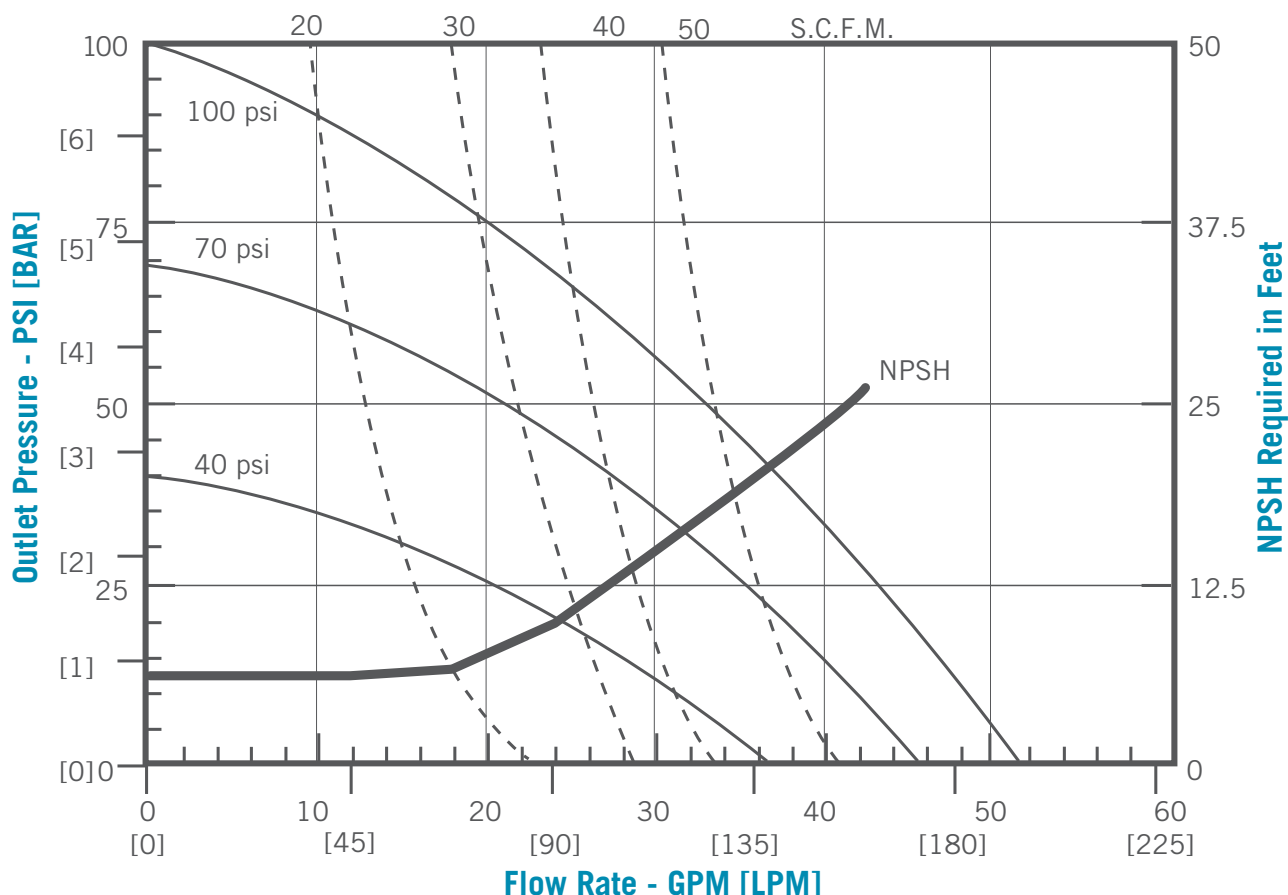
SEATS



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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