

SOTERATM

SYSTEMS

AIR-OPERATED DOUBLE DIAPHRAGM PUMP

SP100 SERIES

The most advanced air
operated diaphragm pump
on the market.



UNIQUE DIAPHRAGM CONSTRUCTION

A stainless-steel shaft with a reinforced diaphragm nut, fully supports the diaphragm and prevents cross threading. The uniform seal hinge minimizes wear, increasing life of the diaphragm.

EASY-OFF THREADED RING CONSTRUCTION

The unique patented QuikSeal[®] ring is designed for quick-turn access to clear ball checks and to replace diaphragms. This eliminates multiple fasteners, reducing complexity and parts.

CERAMIC AIR VALVE

The innovative, patented, non-centering ceramic QuikFlow[®] air valve design provides an extremely fast trip-over, resulting in a 60-percent reduction in pulsation.

15%
MORE FLOW

20%
MORE EFFICIENT

60%
LESS
PULSATION

67%
FEWER PARTS

50%
LESS TIME
TO REPAIR

360°
UNIFORM SEAL

**5-YEAR
WARRANTY**

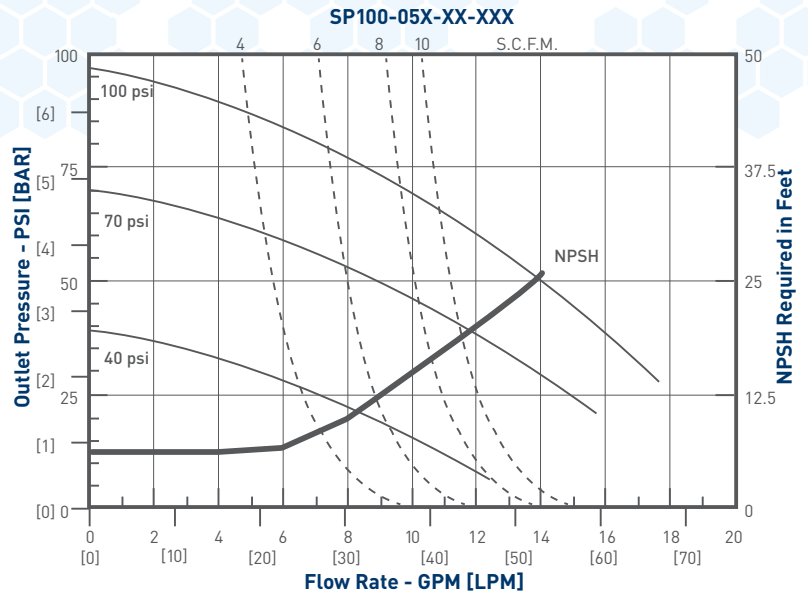
Tuthill warrants that the SP100 Series Air-operated Double Diaphragm Pump will be free of manufacturers defects and will perform seamlessly under normal operating conditions for a period of five years.



1/2" NON-METALLIC TECHNICAL DATA



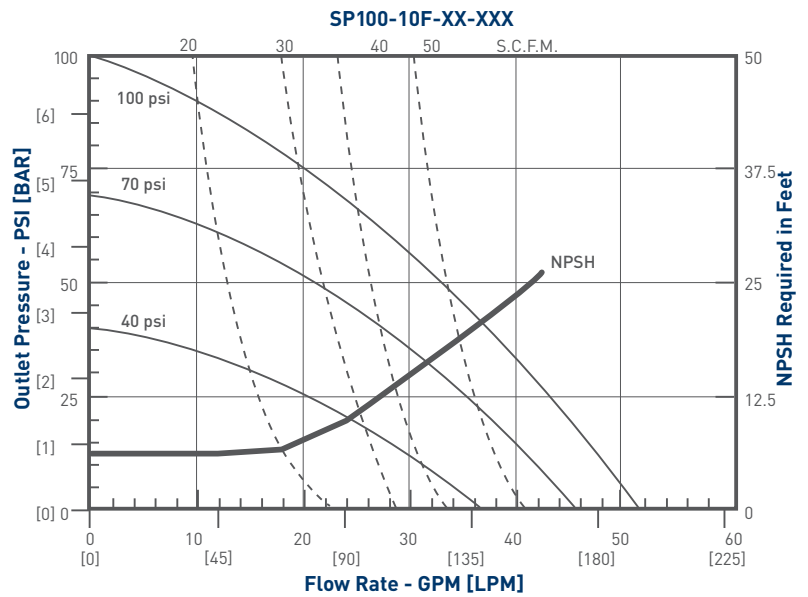
MAXIMUM AIR INLET PRESSURE.....	100 psig (6.9 bar)
MAXIMUM MATERIAL INLET PRESSURE.....	10 psig (.69 bar)
MAXIMUM OUTLET PRESSURE.....	100 psig (6.9 bar)
AIR CONSUMPTION (@ 40 PSI).....	0.65 cfm / gallon (approx.)
MAXIMUM FLOW RATE (FLOODED INLET).....	17.5 gpm (66.241 lpm)
DISPLACEMENT / CYCLE @ 100 PSIG.....	0.036 gal (0.14 lit)
MAXIMUM PARTICLE SIZE.....	3/32" dia (2.4 mm)



1" NON-METALLIC TECHNICAL DATA



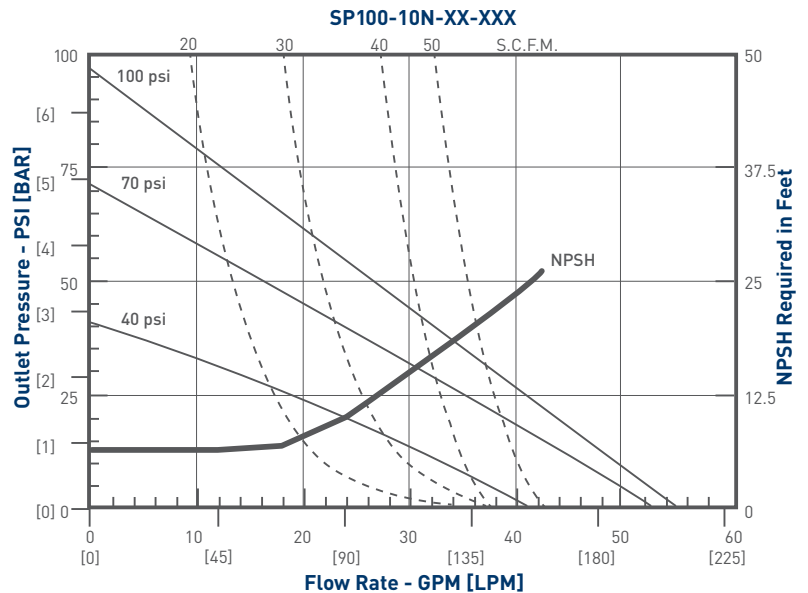
MAXIMUM AIR INLET PRESSURE.....	100 psig (6.9 bar)
MAXIMUM MATERIAL INLET PRESSURE.....	10 psig (.69 bar)
MAXIMUM OUTLET PRESSURE.....	100 psig (6.9 bar)
AIR CONSUMPTION (@ 40 PSI).....	1.21 cfm / gallon (approx.)
MAXIMUM FLOW RATE (FLOODED INLET).....	51 gpm (193 lpm)
DISPLACEMENT / CYCLE @ 100 PSIG.....	0.21 gal (0.79 lit)
MAXIMUM PARTICLE SIZE.....	3/16" dia (4.8 mm)



1" METALLIC TECHNICAL DATA



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.)
MAXIMUM FLOW RATE (FLOODED INLET).....	56 gpm (211 lpm)
DISPLACEMENT / CYCLE @ 100 PSIG.....	0.22 gal (0.83 lit)
MAXIMUM PARTICLE SIZE.....	3/16" dia (4.8 mm)



Excellence at work. Excellence in life.

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SSAODFlyer-0313-Rev 1

