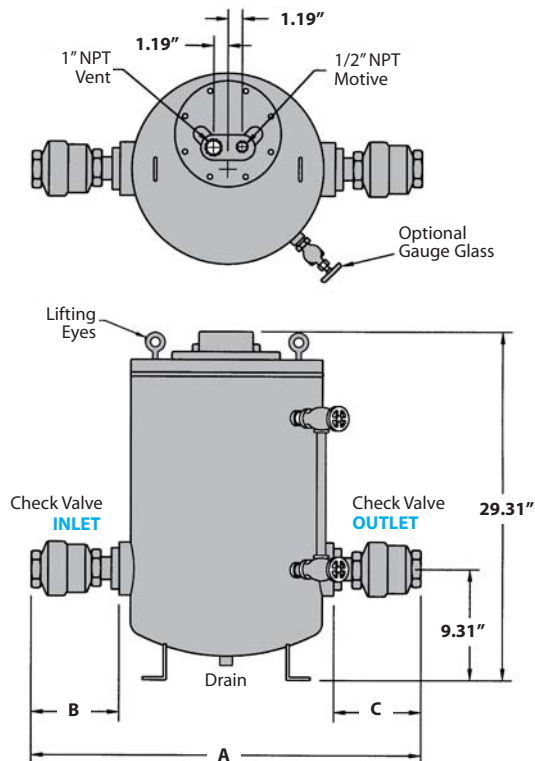


Stand-Alone Pumps

STAINLESS STEEL TANK

PMPSS
Pressure Motive Pump

Condensate
Pumps



Model	PMPSS
Body	304L Stainless Steel *
Cover	304L Stainless Steel *
Check Valves	Stainless Steel
PMO Max. Operating Pressure	150 PSIG
TMO Max. Operating Temperature	366 °F
PMA Max. Allowable Pressure	150 PSIG @ 650°F

* For special 316L SS, consult factory.

Typical Applications

The PMPSS model **Stainless Steel** non-electric pressure motive pump can be used in harsh and corrosive environments or as a substitute for fabricated carbon steel tanks for increased longevity. This stand-alone pump is capable of operating with a maximum motive pressure of 150 PSIG provided by steam, air or other gas supply. These pumps receive the ASME "UM" code stamp.

Features

- Equipped with our **Patented "Snap-Assure" Mechanism** which **extends the useful life of the pump**
- Mechanism incorporates **heat-treated stainless steel wear items**
- All stainless steel internals for ultimate corrosion resistance
- Dual compression springs made from Inconel-X-750 for high-temperature corrosive service
- Operates using steam, air, nitrogen or other pressurized gases as the motive force
- Non-Electric** – can be used in remote locations or NEMA 4, 7, 9 and hazardous areas

Sample Specification

The non-electric pressure powered pump shall be capable of operating with a maximum motive pressure of 150 PSIG provided by steam, air or other gas supply. The pump body shall be 304L Stainless Steel and certified with the ASME "UM" code stamp. The pump mechanism shall be float operated with a patented "Snap-Assure" feature constructed of all stainless steel materials with all load bearing points hardened for extended service life. The mechanism shall feature two Inconel springs used in compression with motive and vent valves hardened to 40c Rockwell.

DIMENSIONS – inches

Size (Inlet x Outlet)	Model Code	A	B	C	Weight (lbs)
1" x 1"	PMPSS-1X1-N-SS	30 1/2	6	6	215
1 1/2" x 1"	PMPSS-1.5X1-N-SS	31 3/4	7 1/2	7 1/2	220
1 1/2" x 1 1/2"	PMPSS-1.5X1.5-N-SS	32 1/4	7 1/2	6	223
2" x 1"	PMPSS-2X1-N-SS	32	8	6	225
2" x 1 1/2"	PMPSS-2X1.5-N-SS	33 1/2	8	7 1/2	230
2" x 2"	PMPSS-2X2-N-SS	33 3/4	8	8	235
3" x 2"	PMPSS-3X2-N-SS	35 1/4	9 1/4	8	240

The PMPSS Stand Alone Pump consists of pump tank, internal mechanism, and inlet and outlet stainless steel check valves.

MATERIALS

Body & Cover	304L Stainless Steel
Cover Gasket	Grafoil
Cover Bolts	Steel
Inlet Valve	Hardened Stainless Steel 40 Rc
Vent Valve	Hardened Stainless Steel 40 Rc
Mechanism Yoke	304 Stainless Steel
Ball Float	304 Stainless Steel
Check Valves	Stainless Steel
Springs	Inconel-X-750
Other Internal Components	Stainless Steel

Snap-Assure U.S. Patent No. 6572340