



The Pivotrol Pump® Patented PTF-Stainless Steel

Description

The Spirax Sarco **Pivotrol Pump®** (patented) is a non electric pump which transfers high temperature condensate, or other liquids from a low point, low pressure or vacuum space to an area of higher pressure or elevation. This self-contained unit including **PowerPivot®** technology (patented) uses steam, compressed air or any other suitable pressurized gas as the pumping force. **The standard Pivotrol Pump®** (patented) will handle liquids from 0.9 to 1.0 specific gravity.

Model	PTF - SS
PMO	200 psig (13.8 barg)
Sizes	2" x 2", 3" x 2"
Connections	NPT
Construction	ASME Coded Steel
Options	Pump modified to handle liquids down to 0.65 specific gravity
Warranty	3 Million Cycles x 3 Year Warranty Lifetime Warranty on Spring

Accessories

- Gauge glass with brass cocks.
- Reflex type gauge glass -Insulation cover.

Capacities

For sizing and selection data, see TI-5-030

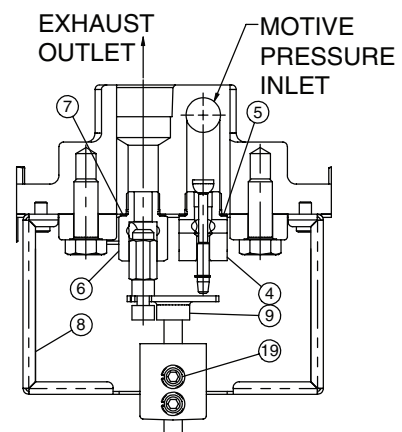
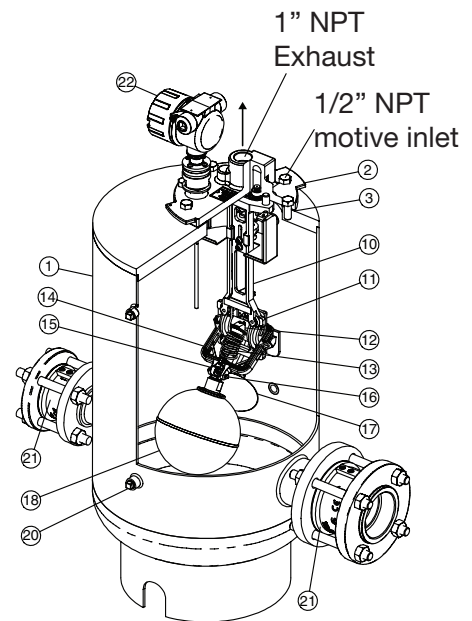
Operating Characteristics

Pump discharge per cycle –	PTF: 8.4 gal (31.8 l) Nominal
Average instantaneous discharge rate –	90 gpm (5.7 l/s)
Average Steam Consumption –	3 lbs. per 1000 lbs. of liquid pumped
Average Air Consumption –	60 SCFM per 1000 lbs. of liquid pumped

For increased service life —
Operate pump with motive pressure 15-20 psig above pump back pressure.

Construction Materials

No.	Part	Material	Spec
1	Body	PTF - Fabricated St.Steel	ASME coded
2	Cover	Cast Stainless Steel	ASTM A351 CF8M
3	Cover Gasket	Grafoil	
4	Steam Inlet Valve Assembly	Stainless Steel	
5	Steam Inlet Valve Gasket	Stainless Steel	
6	Exhaust Valve Assembly	Stainless Steel	
7	Exhaust Valve Gasket	Stainless Steel	
8	Baffle	Stainless Steel	
9	Push Rod Assembly	Stainless Steel	
10	Mechanism Support	Stainless Steel	
11	Bushing Mounting Plate (Bushings)	Stainless Steel Carbide	
12	Spring Anchor	Carbide	
13	Spring	Inconel	
14	Float Arm Assembly (Pivots)	Stainless Steel Carbide	
15	Float Pivot	Stainless Steel	
16	Pin	Stainless Steel	
17	Paddle	Stainless Steel	
18	Float	Stainless Steel	
19	Screws (typical)	Stainless Steel	
20	Plugs (typical)	Forged Stainless Steel	
21	Check Valves (SDCV44)	Stainless Steel (see TI-7-224-US)	
22	Cycle Counter	Various (see TI-5-020-US)	



Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.
In the interests of development and improvement of the product, we reserve the right to change the specification.

TI-5-210-US 01.11

