

spirax sarco

APT Pump Packages APT10 Series

Description

The compact low profile modular pump/trap system consists of the versatile APT 10-4.5 Automatic Pumping Trap pre-piped and mounted on a steel base.

The SPT1 module includes a condensate reservoir sized to accommodate (1) pump cycle.

The module requires only service field connections for complete installation and fast startup.

Typical applications

APT 10-4.5 pump/trap modules are used where low profile and high capacity condensate removal is required.

The APT 10-4.5 Pump Trap has the features of a conventional F&T trap combined with a pressured pump all in one unit.

- Air handlers
- Heat exchangers
- Absorption Chillers
- Evaporators
- Dryers

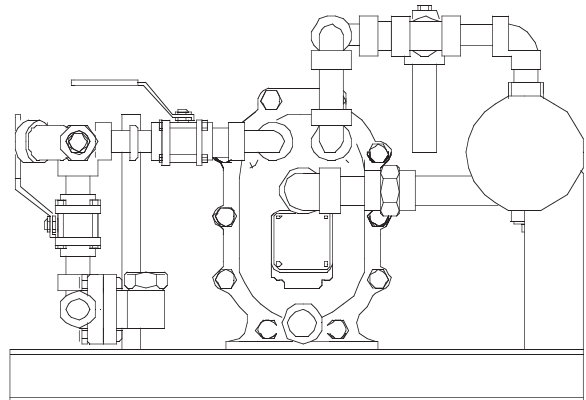
Standard Features

- Spirax Sarco non-electric APT 10-4.5 Automatic Pump Trap
- Motive steam drip station with Spirax Sarco UTD 52L trap and isolation valves and air vent.
- Hydrotested, blasted, and coated with SSI industrial enamel
- Fabricated by ASME Section IX certified welders.
- Completely assembled modular pumping system on platform steel base with all connections protected for shipping.

Additional Options are available

Suggested Specification

- Furnish and install where shown on plans, Spirax Sarco Inc. **Model SPT1-**_____ Pressure powered pump/trap system.
- The system shall be a complete pre-piped factory package requiring only service connections for a fully functional system.
- Electricity shall not be required for system operation
- The receiver shall be constructed for 145 PSIG WP.
- The Pump/Trap shall be constructed of Ductile Iron with an allowable operating pressure of 65 PSIG.
- The Pump/Trap shall be a unified system with stainless steel mechanism and no external glands or seals. Individual pump and trap systems will not be acceptable
- The package shall be sized to meet (or exceed) the actual required condensate system load.
- The package shall include a structural steel platform skid and painted with (1) coat enamel.



Typical Construction

Model	SPT1
PMO – Motive Pressure	65 psig
Design Pressure (PMA)	145 psig @ 392°F
Capacity Range	Trap Mode- 263 to 1558 lbs/hr Pump Mode-156 to 958 lbs/hr
Receiver Vessel	Constructed for 145 psig @ 550°F
Hydrotest Pressure	188 psig
Construction Materials	Receiver vessel - Fabricated Steel APT 10-4.5 - See SSI Tech Sheets TI-5-2301-US Valves - Carbon Steel Ball Valves Piping - A106 Seamless Carbon Steel
Dimensions & Weight	See SSI Sales Drawings

Capacity

For sizing data, see APT10-4-5 Selection & Capacity Chart TI-5-204-1-US.

Local regulations 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-12-002-US 3.14

Condensate Recovery

Non-Electric Pumps