

FTS Systems Titan Trap with Sentry 2.0

Refrigerated Cold Trap



Features

- Compact design for portability and easy installation.
- Ultra-low temperature refrigerated titanium coil.
- Safety-coated glass dome top.
- Corrosion-resistant drain.
- PTFE-coated stainless steel chamber.
- Optional microprocessor-based controller with digital temperature and vacuum display LED status indicator and automated process control.

Applications

- Protection of oil-sealed vacuum pumps.
- Gel drying.
- Evaporators.
- Dryers.
- Gas stream dehydration.

Performance Specifications

	TT4105	TT8105
Lowest Condenser Temperature	-100 °C	-100 °C
Trapping Rate	3 L / 24 Hours	5 L / 24 Hours
Maximum Chamber Capacity	4 L	8 L
Number of Compressors	2 at .25 hp	2 at .25 hp

Note: Performance specifications are based on SP Scientific test data from units operating at an ambient room temperature of approximately 20 °C. SP Scientific recommends an operating range of 15-24 °C (59-75 °F). Specifications are highly dependent on ambient operating temperatures and electrical supply.

Dimensional Data

	TT4105	TT8105
Width	19 in (48 cm)	19 in (48 cm)
Depth	24 in (61 cm)	24 in (61 cm)
Height*	13 in (33 cm)	13 in (33 cm)
Approximate Weight	85 lbs (39 kg)	85 lbs (39 kg)
Minimum Clearance on All Sides	2 in (5 cm)	2 in (5 cm)
Glass Dome Diameter	7.32 in (18.59 cm)	8.37 in (21.26 cm)
Vacuum Port Outer Diameter	0.5 in (1.27 cm)	0.5 in (1.27 cm)

Electrical Requirements

	60 Hz Option	50 Hz Option
Voltage	120 V	220 V
Breaker Amperage	15 A	10 A
Phase	1 Φ	1 Φ
Line Cord Amperage	12/3 (125 V, 20 A)	14/3 (250 V, 15 A)

Additional Information

Construction	PTFE-Coated Reservoir Titanium Condenser Coil
Refrigerant Type	CFC-Free
Pump Rating	Accommodates pumps with flow rates of 250 liters per minute (9 cfm) or less.

* The safety-coated glass dome adds an additional 6 in. to overall height.

† At 50 Hz, capacity may diminish up to 17% based on conditions and application.