

# FTS Titan-Trap

## Refrigerated Cold Trap



(FTS Titan-Trap with optional Sentry 2.0 controller shown)

### Key Features

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

### Typical Applications

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

### Performance Specifications

Item	TT4105	TT8105
Lowest Condenser Temperature (°C)	-100	-100
Trapping Rate (Liters/24 Hours)	3	5
Maximum Chamber Capacity (L)	4	8
Number of Compressors	2	2
Compressor Horsepower	1/4, 1/4	1/4, 1/4

**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

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

<sup>†</sup>The safety-coated glass dome adds an additional 6 in. to overall height.

### Electrical Requirements

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

### 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.