



SP FTS Titan Trap

Refrigerated Cold Trap

Features & Benefits

- 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

Applications

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



Performance Specifications

| Description | TT4105 | TT8105 |
|------------------------------|----------------|----------------|
| Lowest Condenser Temperature | -100 °C | -100 °C |
| Trapping Rate | 3 L / 24 Hours | 5 L / 24 Hours |
| Maximum Chamber Capacity | 4 L | 8L |
| Number of Compressors | 2 at 0.25 hp | 2 at 0.25 hp |

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

Electrical Requirements

| Description | 60 Hz Option | 50 Hz Option ² |
|--------------------|--------------------|---------------------------|
| 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) |

Dimensional Data

| Description | TT4105 | TT8105 |
|--------------------------------|--------------------|--------------------|
| Width | 48 cm (19 in) | 48 cm (19 in) |
| Depth | 61 cm (24 in) | 61 cm (24 in) |
| Height ¹ | 33 cm (13 in) | 33 cm (13 in) |
| Approximate Weight | 39 kg (85 lbs) | 39 kg (85 lbs) |
| Minimum Clearance on All Sides | 5 cm (2 in) | 5 cm (2 in) |
| Glass Dome Diameter | 18.59 cm (7.32 in) | 21.26 cm (8.37 in) |
| Vacuum Port Outer Diameter | 1.27 cm (0.5 in) | 1.27 cm (0.5 in) |

Additional Information

| | |
|--------------|---|
| Construction | PTFE-Coated reservoir titanium condenser coil |
| Pump Rating | Accommodates pumps with flow rates of 250 liters per minute (9 cfm) or less |

¹ The safety-coated glass dome adds an additional 6 in. to overall height

² At 50 Hz, capacity may diminish up to 17% based on conditions and application



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