



WORLDWIDE LEADER OF SOURCE SAMPLING EQUIPMENT

▷ TEC-1612

PELTIER SINGLE-STAGE GAS COOLER

The **TEC-1612 Thermoelectric Gas Cooler** is a robust single-stage gas cooler. It is designed to effectively remove condensate from the gas stream to deliver dry gas to the analyzer. It can be used as a stand-alone unit or coupled with our ACC-1610 Air-Cooled Condenser for additional condensate removal.

The TEC-1612 is the perfect choice for your modular gas sampling system. We listened to feedback and will always strive to deliver an effective solution that is lightweight and rugged.

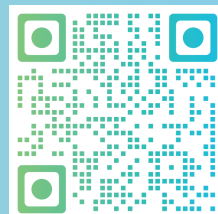


TEC-1612

The Perfect Choice For Your Modular Gas Sampling System

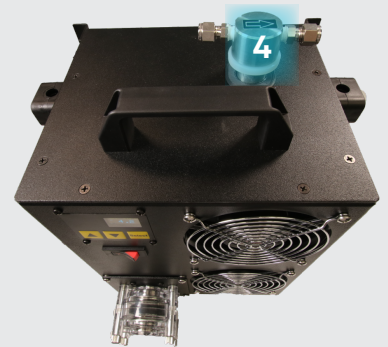
Features

- Compact and lightweight
- Rugged 24v solid-state thermoelectric heat pumps
- OLED display with power monitor
- IP-rated switching power supply
- Variable DC voltage PID controller for thermoelectric module
- Integrated peristaltic pump for condensate removal
- Easily removable condenser
- Insulated aluminum cold block
- Dual high-output axial fans are coupled with thermosiphon heat exchangers to support the thermoelectric units and allow the gas conditioner to operate in a wider range of ambient conditions
- Standard wall mount brackets



▶ TEC-1612 PELTIER SINGLE-STAGE GAS COOLER

1. Temperature Display
2. Membrane Switch
3. Main Switch
4. Condenser
5. Exhaust Fans
6. Mounting Bracket
7. Peristaltic Pump



Specifications

Pinnacle Heat Pump System: Two 80-watt solid-state modules

Temperature Display: OLED display $\pm 0.1^{\circ}\text{C}/^{\circ}\text{F}$

Temperature Control: Variable DC voltage controller, 3-button keypad

Cold Block: Insulated aluminum

Condenser: Alloy 316 stainless steel, reverse flow condensate separator, various coatings available, 1" OD x 12"

Condensate Removal: Integrated peristaltic pump, 10 ml/min

Radiator: Two high flow, low-profile heat sinks 120-mm axial fans, with encapsulated motor and electronics

Rated Moisture Extraction Capacity: 14% moisture at 10 lpm (75° ambient) with a less than 1% target moisture rate.

Ambient Operating Temperature: 32 to 104 °F (0 to 40 °C)

Standard Flow Rate: 1 to 15 lpm, single channel

Tubing Size: 1/4" or 3/8", accepts 1/4" line standard

Mounting Options: Standard wall mount

Accessories: Companion condenser, peristaltic pump (optional), separate strain reliefs

Dimensions: 9.5" W x 12" H x 8.8" D (241 mm W x 305 mm H x 224 mm D)

Weight: 26 lbs (11.8 kg)

