



WORLDWIDE LEADER OF SOURCE SAMPLING EQUIPMENT

▷ TEC-4000HgP

PORTABLE THERMOELECTRIC GAS COOLER

MERCURY GAS COOLER

The **TEC-4000HgP Portable ThermoElectric Gas Cooler** removes moisture by cooling the sample gas to a constant dew point using the new Apex Pinnacle Heat Pump. It is housed in our rugged, lightweight case for easy transport. The cooler is equipped with a closed, dual-channel gas conditioning system that collects condensate in sample bottles and delivers dry, acid-free gas to the meter console.

The cooler is designed to be used with the XC-30B and XC-260 Mercury Sampling Consoles.

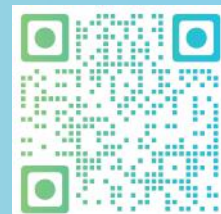


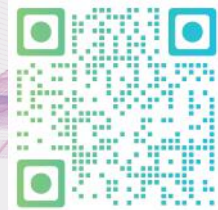
Model TEC-4000HgP

The same great features, now portable.

Features

- Extremely reliable solid-state heat pump with a long lifespan
- Pinnacle solid-state heat pump is housed in a rugged package that is easy to service and designed to withstand harsh industrial environments
- Low-resistance heat exchanger with a copper base and heat pipes with high thermal conductivity
- Heat pump unit includes an aluminum block fitted with two Hastelloy condensers, a thermoelectric module, a high-efficiency heat exchanger, an exhaust fan, and a PID temperature controller
- Thermoelectric module is coupled with a highly efficient heat exchanger for removing the heat from the hot side of the module to the ambient air
- Low-resistance, high efficiency heat exchanger includes a copper base fitted with six U-tube heat pipes with coated fins and a high-volume corrosion resistant fan





▶ TEC-4000 HgP PORTABLE THERMOELECTRIC GAS COOLER MERCURY GAS COOLER

1. Power Switches

2. Front Fan

7. Sample Line
Inlet Port

3. Temperature
Control

6. Sample Bottles

4. Desiccant
Cannisters



5. Connector Tubing

Specifications

Refrigeration: Thermoelectric heat pump: 50-watt solid-state module

Temperature Display: OLED display ± 0.1 °C/°F

Temperature Control: Variable direct current with PID control, 3-button keypad

Cooling Capacity: 100 BTU/hr

Cold Block: Insulated aluminum

Condenser: Reverse flow condensate separator, C276 alloy, 1×7 inch dimensions, 4-inch active cooling zone

Condensate Removal: Gravity bottle, 10 mL/min

Heat Exchanger: Low-profile heatsink with six 6-mm diameter U-tube heat-pipes, coated fins for corrosion resistance, 120-mm axial fan, with encapsulated motor and electronics

Rated Flow Rate: 2 LPM at 30% moisture per channel

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

Auxiliary Temperature Controller: Digital temperature controller for heated jumper, type-K thermocouple input

Power: Supply 120V AC at 60 Hz 15 amps max., or 240VAC at 50 Hz 10 amps max., IEC C-13 inlet

Dimensions: 17 x 7 x 17 inches (43.2 cm x 27.8 cm x 43.2 cm)

Weight: 22 lbs (10 kg)