



## CTI 8300

### Technical Specifications

**Weight (including cartridge)**

128 lbs (58 kg), approximate

**Weight (shipping) (including cartridge)**

131 lbs (59 kg), approximate

**Helium pressure**

Static: 245-250 psig (1690-1725 kPa) at 70 to 80°F (21 to 27°C)

Return: normal operation: Refer to Table 4.1, page 4-3, for operating pressure.

**Ambient operating temperature range**

50 to 100°F (10 to 38°C)

**Helium filtration cartridge service schedule**

Replace every 12 months

**Cooling water requirements**

70°F water supply, 0.5 gpm, 3.5 psid (pressure drop: water inlet to water outlet).

The pressure value does not consider discharge back-pressure conditions.

Maximum/minimum water requirements

Maximum outlet temperature 90°F (32°C)

Minimum inlet temperature 40°F (4°C)

Maximum inlet pressure 100 psig

This compressor has been designed to operate with water having a pH value of 6.0 to 8.0 and a calcium carbonate concentration of less than 75 parts per million (typical municipal drinking water quality). For applications of lower pH or greater hardness, water conditioning may be necessary.

**Interface**

Compressor control power receptacles: Mates with compressor control power cable plug from controller.

Compressor power receptacle: Mates with compressor or power cable plug from controller.

Cooling water inlet and outlet connections: Mates with 1/2-14 NPT (fittings are supplied).

Gas-supply connector: 1/2-inch self-sealing coupling (female) (mates with cartridge).

Gas-return connector: 1/2-inch self-sealing coupling (male).



## Dimensions

