

Main Power:

110/220 VAC switch selectable
50/60 Hz

Outputs as 110 VAC:

Heater = 25 Watts
Purge Solenoid = 6 Watts
Compressor Relay = <2 Watts

Computer Interface:

RS-232 full duplex

Casings:

1/4 DIN rack mountable

Display:

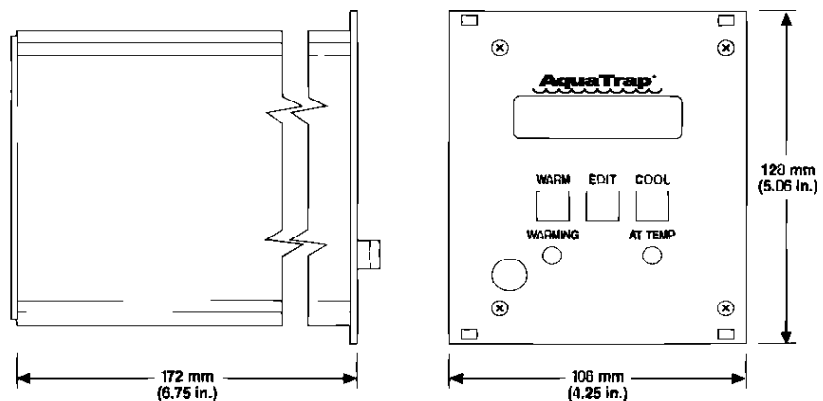
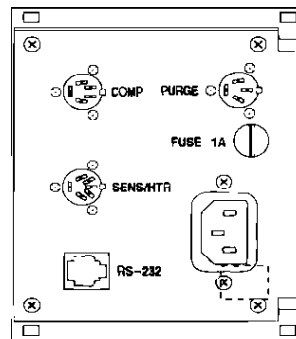
1 x 8 x 1/2 inch lighted LCD

Control Buttons:

3 (WARM, EDIT, COOL)
Recessed for safety

LED Indicators:

Red indicates 'warming'
Green indicates 'at temperature'



Easy-to-Use

The AquaTrap® system is designed to upgrade your vacuum system by removing the extra water vapor that is present in a wide range of vacuum applications. Part of the complete system is a compact controller that has been expressly designed and developed for use with the AquaTrap®.

Your Program it One of Two Ways

The AquaTrap® controller can be programmed manually from the front panel of the unit by using the WARM, EDIT, and COOL buttons. You can also program the unit via an RS-232 connection to your computer.

Color Coded LED Status Indicators

Easy-to-see indicator lights flash while the unit is either warming or cooling, and then stay on when the unit has reached the desired optional temperature. A red light indicates warming and a green light indicates cooling.

Bright, Clear Digital Readout

A lighted LCD digital readout is provided so that the system's user can easily read the operating temperature.

Remotely Locate From the Compressor

You may place the AquaTrap® controller any distance you choose from the compressor. This fact, combined with the compact size of this controller, allows the user to place the unit wherever it will be conveniently positioned for their use.

Safe, Reliable Operation

Polycold is known for their attention to detail in design and exceedingly high quality of products. Using standard 110/220 VAC power, the AquaTrap® controller is equipped to reset the unit to normal operating conditions in the event of a power failure or interruption. The controller will also then automatically restart the compressor.

Controller Operating Cycles

WARM Button

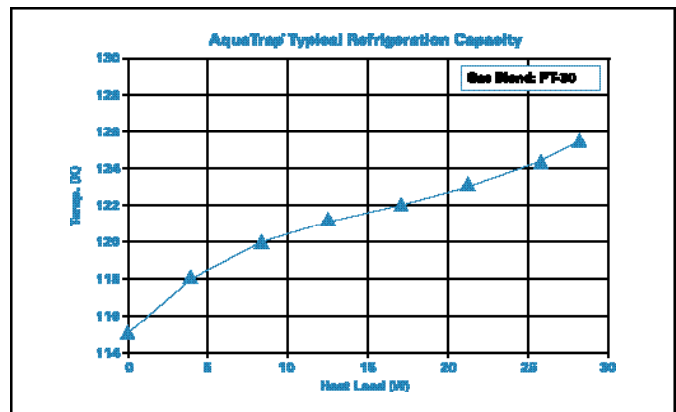
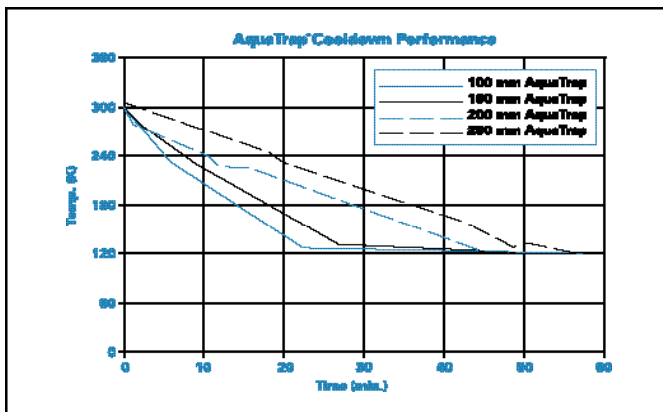
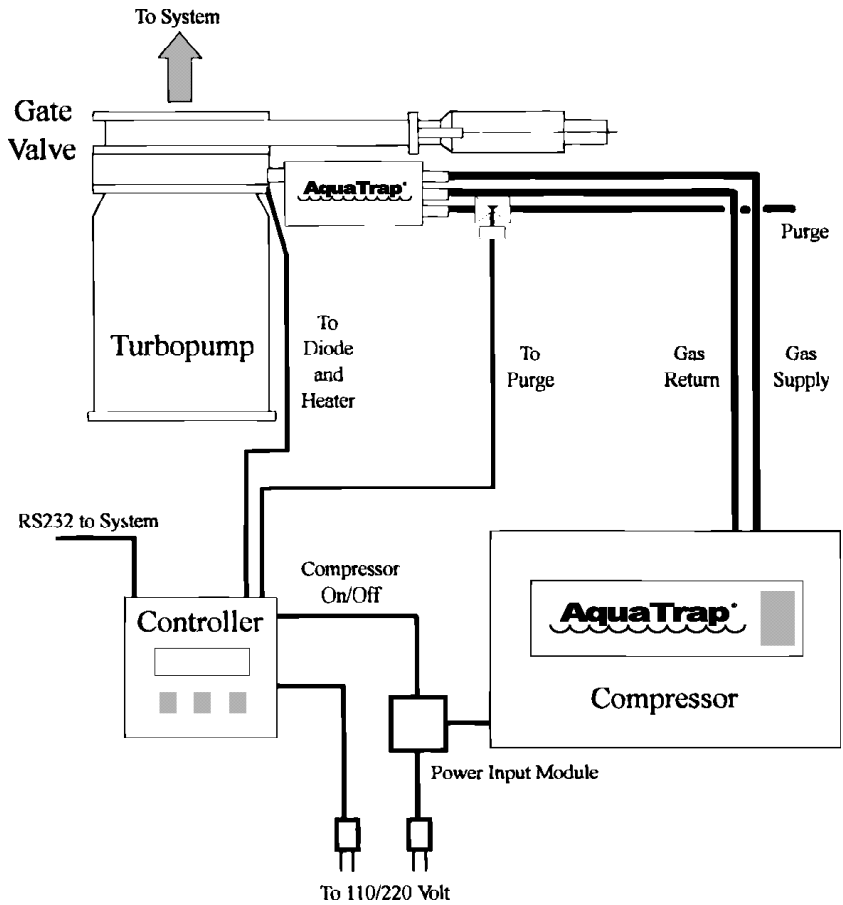
- Turns off compressor
- Turns on heater and purge (red LED blinks)
- At 310 K, the heater turns off and the purge countdown begins (the red LED stays on)
- After countdown reaches zero, the purge and red LED shut off

EDIT Button

- Alter at temperature set points
- Adjust purge countdown

COOL Button

- Turns off heater and purge
- Turns on compressor (green LED blinks)
- Green 'At Temp' LED light stays on when temperature goes below 'At Temp' set point (nominal 130 K)



Polycold Headquarters

Helix Polycold Systems Inc.
 3800 Lakeville Hwy.
 Petaluma, CA 94954
 Phone: 707-769-7000
 FAX: 707-769-1380
 E-mail: sales@polycold.com

Call toll-free within the U.S.A.
 Sales 888 4-POLYCOLD

World Wide Web

Visit our website
www.polycold.com

Polycold® is a registered trademark of
 Helix Polycold Systems Inc.

© Helix Polycold Systems Inc. 02/05
 Printed in U.S.A.

Specifications are subject to change without notice.