



Model AGT354C Chiller/Heater Recirculator



Typical applications include:

- Vacuum Pumps
- Gas Cylinder Jackets
- Plasma Etchers
- Condensers
- Wet Etch Stations
- Welders
- Power Supplies
- Lasers
- Motor Spindles



System Specifications and Features

Temperature Range	0 °C to 75°C
Accuracy	±0.1°C
Cooling Capacity (Ambient = 20°C)	250 W @ 4°C 675 W @ 20°C
Heating Capacity	1500 W
Pumping Capacity	10.5 LPM (2.8GPM)
Electrical Circuit Requirements:	
AGT354C-1	115 V, 60 Hz, 30 A, 1 Ph
AGT354C-2	230 V, 50 Hz, 15 A, 1 Ph
Reservoir Capacity	12 liters (3.2 gals)
Dimensions (H x W x D)	29" x 17" x 17"
Shipping Weight	58 kg (127 lbs)
Options Available:	
• No Flow Switch	
• Communications Package	RS485 and RS232
• Audible Hi/Low Temperature Alarm	
• 4-20 mA Temperature Output	

The AGT354C Recirculator contains an environmentally friendly non-CFC refrigeration system, a high output heater, and positive displacement pump. Accurate and stable ($\pm 0.1^\circ\text{C}$) temperature control is achieved by modulating the net cooling power via a digitally controlled heater and a large reservoir serving as a thermal flywheel. The reservoir is easily accessible for filling purposes and checking circulation.

The AGT-Series Recirculators are capable of removing or adding heat to a remote source by regulating and controlling a wide range of temperatures of a Closed-Loop circulating liquid. Wasting of water is eliminated with use of the AGT Recirculators when connected to Cylinder Gas

Sources. Common applications include Temperature Control for ETCH and CVD Process Gases, Vacuum Pumps, Reactor Flanges, MFC's, Power Supplies, Condensers, and Turn-Key Gas Delivery Systems.

The AGT-Series Recirculators in conjunction with AG-J Heat Exchange Jackets regulate and control temperature of Gases contained in any size or type cylinder.

For more information on how we can solve your process or temperature control requirements please contact our capable Application Engineering Group or contact your Gases Supplier, Process Equipment Manufacturer or Facilities Contractor.

Accurate Gas Control Systems, Inc.



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