

1HT10P Air Cooled Recirculating Heat Exchanger

Specifications

- Fluid Setpoint Range +25°C to +130°C
- Temperature Stability $\pm 1.0^\circ\text{C}$ or better
- Net Cooling Capacity: 3,000 Watts (10,245 BTU/hr) given a fluid temperature of +70°C and an ambient air temperature of +25°C
- Net Heating Capacity 3,000 Watts at 240 VAC
- Recirculating Flow/Pressure 10 Gpm @ 20 Psi, with internal bypass
- Stainless Steel Reservoir 7 Gallon Pressure Tank, with 25 Psi pressure relief, 5 gallon operating volume
- Recirculating Fluid 50% Water / 50% Ethylene Glycol
- Recirculating Supply/ Return Fittings 3/4" Stainless Steel FPT
- Electrical Service 208/240 VAC, single phase, 60 Hz, 30 amp service
- Physical Parameters 52" H x 24" W x 30" D
- Warranty 12 Months, Parts and Labor



Features

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|--------------------|---|----------------------|--|
| Pump: | 1/2 Hp Stainless Steel, Centrifugal, | Controller: | PID type controller that utilizes fully proportional heating |
| Flowmeter: | Turbine, installed in return line, with rear panel-mounted flow adjustment valve in output line | Interfacing: | RS-232 for Remote Control and monitoring |
| Safety Interlocks: | Reservoir empty, low level and over-pressure switches, front panel EMO switch and low flow switch to deactivate in-line heater only | Displays: | Setpoint and actual temperatures, flowrate, diagnostics |
| Construction: | Welded steel frame with aluminum panels. Frame and panels are powder coated for durability. Frame is equipped with locking casters. | Pressure Indicators: | Output and reservoir pressure gauges, rear panel-mounted |
| | | Safety Standards: | National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79 |



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