1HE30W1 Recirculating Heat Exchanger

Specifications

- **Net Cooling Capacity**: 8,795 Watts (30,000 BTU/hr) (given a 5°C ΔT between setpoint output and facilities inlet temperatures)
- **Fluid Setpoint Range**: +10°C to +30°C (50°F to 86°F)
- **Temperature Stability**: ± 0.5°C (± 0.9°F)
- **Recirculating Fluid**: Deionized Water
- **DI Maintenance Loop**: Automatically maintains resistivity between 250 and 500 K-ohm
- **Recirculating Flow/Pressure**: 5 Gpm at 60 Psi (100 Psi max)
- **Stainless Steel Reservoir**: 6 Gallons
- **Recirculating Supply/Return Fittings**: 1/2" Stainless Steel FNPT
- **Facilities Requirements**: Up to 5 Gpm at 5°C lower than setpoint, 20 Psi ΔP (100 Psi max)
- **Facilities Water Supply/Return Fittings**: 1/2" Stainless Steel FNPT
- **Electrical Service**: 208/230 VAC, 60 Hz, single phase, 10 amp service, 6 amp draw
- **Physical Parameters**: 48"H x 23"W x 24"D, 300 lbs dry weight

Features

- **Pump**: 1/2 Hp stainless steel, positive displacement rotary vane pump
- **Controller**: PID type controller with a 5.7" color graphic touch screen display providing fully proportional cooling
- **Safety Interlocks**: Reservoir empty, low level, and over-full switches, front panel EMO switch
- **Displays**: Setpoint and actual temperatures, flowrates and diagnostics
- **External Construction**: Welded steel frame with aluminum panels, frame and panels are powder coated for durability, frame is equipped with locking casters and leveling feet
- **Safety Standards**: National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79
- **Interfacing**: RS-232 serial interface for remote control and monitoring
- **Warranty**: 12 Months, Parts and Labor