

1HE20WA Recirculating Heat Exchanger

Specifications

- Fluid Setpoint Range +10°C to +30°C (50°F to 86°F)
- Temperature Stability $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$)
- Net Cooling Capacity 5,865 Watts (20,000 BTU/hr)
(given a 5°C ΔT between setpoint output and facilities inlet temperatures)
- Recirculating Fluid DI Water, 450 to 550 k-Ohms
- Polypropylene Reservoir 6 Gallons
- Recirculating Flow/Pressure 4 Gpm at 60 Psi, with adjustable internal bypass circuit
- Recirculating Supply/Return Fittings 1/2" Stainless Steel FNPT
- Facilities Requirements Up to 5 Gpm, 20 Psi ΔP
- Facilities Water Supply/Return Fittings 1/2" Stainless Steel FNPT
- Electrical Service 208/230 VAC, 60 Hz, single phase, 15 amp service
- Physical Parameters 50"H x 23"W x 24"D, 200 lbs dry weight
- Warranty 12 Months, Parts and Labor



Features

- Pump 1/2 Hp stainless steel positive displacement rotary vane pump
- Filters Full flow 30-micron particulate and DI cartridge in bypass circuit with resistivity monitor
- Safety Interlocks Reservoir empty, low level, and over-full switches, front panel EMO switch
- Construction Welded steel frame with aluminum panels, frame and panels are powder coated for durability, frame is equipped with locking casters
- Controller PID type controller that utilizes fully proportional cooling
- Interfacing RS-232 for Remote Control and Monitoring
- Displays Setpoint and actual temperatures, flowrates and diagnostics
- Safety Standards National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79

