1HE20WA Recirculating Heat Exchanger

Specifications

- Fluid Setpoint Range: +10°C to +30°C (50°F to 86°F)
- Temperature Stability: ± 0.5°C (± 0.9°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