

# 1HE14W Recirculating Heat Exchanger

## Specifications:

- Net Cooling Capacity 13,640 BTU/hr (4,000 watts)  
(given a 10°C minimum  $\Delta T$  between setpoint facilities inlet temps)
- Heating Capacity 3,000 Watts @ 208 VAC
- Fluid Adjust Range, Stability +25°C to +90°C,  $\pm 1.0^\circ\text{C}$
- Recirculating Flow/Pressure 35 Gpm @ 30 Psi, with adjustable internal bypass circuit
- Stainless Steel Reservoir 15 Gallons
- Recirculating Fluid 50/50 Water/Ethylene Glycol
- Recirculating Supply/Return Fittings 1 1/2" Stainless Steel FNPT
- Facilities Water Supply/Return Fittings 3/4" Stainless Steel FPT
- Facilities Requirements 2.5 Gpm @ 13°C inlet, 20°C outlet at full load
- Electrical Service 208/240 VAC, three phase, 40 amp service, 60 Hz
- Physical Parameters 56" H x 24.5" W x 26" D



## Features:

- |                        |   |                   |  |
|------------------------|---|-------------------|--|
| Pump:                  | 3 Hp Stainless Steel Centrifugal  | Controller:       | PID type controller that utilizes fully proportional cooling                           |
| Internal Construction: | Stainless steel plumbing with output check valve and return solenoid valve to prevent backflow                                      | Interfacing:      | Remote Start/Stop, Alarm Contacts, RS-232 for Remote Control and Monitoring            |
| Safety Interlocks:     | Reservoir empty, low level, over-full and over-temp 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. | Safety Standards: | National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79 |

Warranty: 12 Months, Parts and Labor



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