

# 1HE52W-PAO Recirculating Heat Exchanger

## Specifications:

- Net Cooling Capacity 15,000 Watts (51,150 BTU/hr)  
(given a 5°C ΔT between setpoint and facilities inlet temperatures)
- Heating Capacity 3,000 Watts @ 208 VAC
- Fluid Adjust Range, Stability +15°C to +70°C, ± 1.0°C or better
- Recirculating Flow/Pressure 6 Gpm @ 55 Psi
- Stainless Steel Reservoir 6 Gallons
- Recirculating Fluid PAO (Royco 602)
- Recirculating Supply/  
Return Fittings 3/4" Stainless Steel FNPT
- Facilities Water Supply/  
Return Fittings 3/4" Stainless Steel FNPT
- Facilities Requirements 10 Gpm @ 24°C Inlet,  
31°C Outlet at Full Load
- Electrical Service 208/240 VAC, 60 Hz, 3 phase,  
20 amp service, with 8-ft line cord  
and twist-lock plug, NEMA L15-20P  
(Requires L15-20R receptacle)
- Physical Parameters 50" H x 23" W x 24" D



## Features:

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|------------------------|---|-------------------|--|
| Pump:                  | 1.5 Hp Stainless steel, seal-less, magnetic-drive turbine pump  | Interfacing:      | 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 |
| Controller:            | PID type controller that utilizes fully proportional cooling  | Warranty:         | 12 Months, Parts and Labor   |

