Excellence in Temperature Control

1HE70W Liquid-to-Liquid Heat Exchanger

Specifications

• Fluid Setpoint Range	+10°C to +30°C (50°F to 86°F)
• Temperature Stability	± 2.0°C (± 3.6°F)
• Cooling Capacity at 5°C ΔT ΔT = Recirculating Output Temperature - Facilities Water Supply Temperature	20,000 Watts (68,200 BTU/hr)
• Recirculating Flow/Pressure	25 Gpm at 120 Psi, 130 Psi Maximum Output
• Recirculating Fluid	PAO (Royco 602)
• Stainless Steel Reservoir	18 Gallons
• Recirculating Supply/ Return Fittings	2” Stainless Steel FPT
• Facilities Cooling Water Requirements	Up to 10 Gpm at 70°F inlet, 20 Psi ΔP (supply-to-drain), 100 Psi Maximum Inlet
• Facilities Supply/ Return Fittings	1” Stainless Steel FPT
• Electrical Service	208/230 VAC, 60 Hz, 3 phase, 30 amp service
• Physical Parameters	48" H x 36" W x 45" D 600 pounds dry weight
• Warranty	12 Months, Parts and Labor

Similar Model Shown

Features

• Recirculating Pump	1 Hp multi-stage centrifugal pump
• Heat Exchanger	A brazed plate heat exchanger is used, a proportional flow valve automatically adjusts facilities water usage to maintain a stable recirculating output temperature
• Safety Interlocks	Reservoir empty and low level switches, recirculating over-pressure switch, front panel mounted Emergency Off switch
• Displays	Setpoint and actual temperatures, flow rates and diagnostics
• Controller	PID type controller that utilizes fully proportional cooling
• Construction	Welded steel frame with aluminum panels. Frame and panels are powder coated for durability. Locking casters and adjustable leveling pads.
• Interfacing	RS-232 for Remote Control and Monitoring
• Safety Standards	National Electrical Code NFPA NFPA-70, Electrical Standard for Industrial Machinery NFPA-79

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