

CryoDax 12X Very Low Temperature Chiller/Heater



Standard Specifications and Features

- Fluid Setpoint Range -85°C to +80°C
- Temperature Stability ± 1.0°C
- Net Cooling Capacities
 - 9 kW at -30°C
 - 5 kW at -40°C
 - 3 kW at -60°C
 - 4 kW at -50°C
 - 3 kW at -70°C
 - 1.5 kW at -80°C
 (*Ratings on 60 Hz with standard pump)
- Nominal Heating Capacity 3,000 Watts
- Recirculating Flow/Pressure
 - 4 Gpm at 25 PSI,
 - 2 Gpm at 45 PSI
- Stainless Steel Reservoir 5 Gallons
(sealable with nitrogen blanket)
- Recirculating Fluid Syltherm XLT or equivalent
- Recirculating Supply/Return Fittings 3/4" Stainless Steel FNPT
- Facilities Requirements Up to 9.0 Gpm at 70°F inlet, 20 Psi ΔP
- Facilities Supply/Return Fittings 3/4" Stainless Steel FNPT
- Electrical Service 440/480 VAC, 60 Hz, 3 phase, 40 amp service
- Physical Parameters 74" H x 41" W x 53" D, 1,250 lbs. dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration R-507 / R-508B refrigerants
- Condenser Brazed plate heat exchanger with a water flow control valve to automatically maintain condensing temperature
- Recirculation 1.5 Hp SS seal-less magnetic-drive turbine pump, turbine fluid flowmeter in recirculating return, pressure gauge, overpressure switch, SS heat exchanger, copper piping
- Safety Interlocks Fluid low level and empty switches, refrigerant high and low pressure switches, fluid over-temperature switch, emergency off switch



- Controller PID type controller with a 5.7" color graphic touch-screen display providing fully proportional cooling and heating with the Mydax patented refrigeration circuit
- Interfacing Remote contacts providing run and alarm status, RS-232 serial interface for remote control and monitoring
- Construction Welded steel frame with aluminum panels, frame and panels are powder coated for durability, mounted on locking casters and leveling feet
- Safety Standards UL-508A Industrial Control panel, National Electrical Code NFPA-70, Electrical Standard for Industrial Machinery NFPA-79

Please contact Mydax to customize this system for your specific needs



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