

CryoDax 20X 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 15 kW at -30°C
9 kW at -40°C 5.5 kW at -50°C
5 kW at -60°C 5 kW at -70°C
3 kW at -80°C
(*Ratings on 60 Hz with standard pump)
- Nominal Heating Capacity 3,000 Watts
- Recirculating Flow/Pressure 8 Gpm at 45 PSI,
4 Gpm at 90 PSI
- Stainless Steel Reservoir 20 Gallons
(sealable with nitrogen blanket)
- Recirculating Fluid Syltherm XLT
or equivalent
- Recirculating Supply/
Return Fittings 3/4" Stainless Steel FNPT
- Condenser Water
Requirements Up to 13 Gpm at 70°F inlet,
20 Psi ΔP, supply-to-drain
- Facilities Water Fittings 1" Stainless Steel FNPT
- Electrical Service 440/480 VAC, 60 Hz, 3 phase
55 amp service
- Physical Parameters 74" H x 44" W x 56" D
1,550 lbs. dry weight approx.
- Warranty 12 Months, Parts and Labor
- Refrigeration R-507 / R-508B refrigerants
- Condenser Brazed plate heat exchanger with a
refrigerant pressure actuated water flow
control valve to automatically adjust flow
- Recirculation 3.0 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 Reservoir 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**



12260 Shale Ridge Lane
Auburn, CA 95602
530-888-6662

5/23/2019

Patents: #4,742,689, #4,959,972, #4,934,155

Fax: 530-888-0962
www.mydax.com
E-mail: sales@mydax.com