



Process Chiller W-40-1100

Thermonics specializes in the design and manufacture of low temperature standard and custom fluid chillers for challenging applications. The W-40-1100 FluidChill™ system delivers high reliability and precision temperature control.

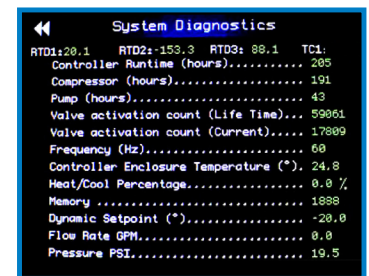
FEATURES:

- Touch-screen controller provides precise temperature control with data logging, graphing, performance monitoring, and fault alarms
- Magnetically coupled pump to match wetted materials
- Compatible with multiple heat transfer fluids
- Communications options for remote control and reading chiller parameters



Programmable touch-screen controls with diagnostics and remote communications

CHILLER SPECIFICATIONS						
COOLING AND HEATING CAPACITY						
Cooling Capacity	°C	+25	0	-20	-40	-45
	kW	8.0	8.0	4.6	1.1	0.6
Condenser	Water-cooled					
Process Heater	1.7kW					
Process Fluid Set Point Range	-40 to +50°C					
Fluid Stability	±0.5°C (at rated load)					
PUMP AND PROCESS FLUID						
Pump	Gear or Turbine					
Process Fluid	Compatible with a variety of process fluids. Published specifications using Syltherm XLT.					
Wetted Materials	Standard materials include copper, nickel, brass, and plastic. <i>Optional:</i> Fully stainless steel					
Flow Rate	4 GPM (15.1 LPM) at 50 PSIG. <i>Optional:</i> Flow monitoring and control					
Available Pressure	50 PSIG (or less), <i>Optional:</i> Pressure monitoring and control					
Fluid Connections	0.5" NPT					
CONTROLS AND COMPLIANCE						
User Interface	5.7" color touch-screen with temperature graphing and charting					
Temperature Measurement	Range: -210 to +680°C, Resolution: 0.1°C full scale					
Remote Communications	Ethernet, Serial-USB, Web server. <i>Optional:</i> RS-232					
Alarms	Low Flow, Low Reservoir, Out-of-temp Range. <i>Optional:</i> Drip Tray					
Diagnostics	Runtime hours (controller, chiller, compressor, pump), system performance log, valve activation counts, enclosure temperature					
Chiller Compliance	CE / RoHS / designed to meet UL1995/UL61010					
OPERATING REQUIREMENTS						
Ambient Temperature Range	10 to 40°C					
Power Requirement	3-phase, 208 to 230V, 60Hz. Note: cooling and heating capacity reduced by approximately 20% fr 50Hz systems					
Facility Water Requirements	Flow: 2.0 to 6.0 GPM (7.6 to 22.7 LPM), Temperature: 10 to 32°C (20°C nominal) Pressure: 10 to 50 PSIG (40 PSIG nominal), Connection: 0.75" NPT					
System Dimensions (approx.)	43"W X 60"D X 78.0"H (109.2 X 152.4 X 198.1cm)					



Cooling capacity with 50Hz power reduced by approximately 17%. Consult factory for additional flow rate options. Specifications subject to change.

