


3 Specifications and Environmental Conditions

3.1 Specifications

Range	-40°C to 150°C
Stability (2 sigma)	±0.005°C at -40°C (ethanol) ±0.005°C at 25°C (water) ±0.007°C at 150°C (5012 oil)
Uniformity	±0.006°C at -40°C (ethanol) ±0.005°C at 25°C (water) ±0.010°C at 150°C (5012 oil)
Heating Time†	60 minutes, from 25°C to 150°C (5012 oil @ 115V)
Cooling Time	110 minutes, from 25°C to -40°C (ethanol)
Stabilization Time	15-20 minutes
Temperature Setting	Digital display with push-button entry
Set-point Resolution	0.01°; 0.00018° in high resolution
Display Temperature Resolution	0.01°
Digital Setting Accuracy	±0.5°C
Digital Setting Repeatability	±0.01°C
Heater	700 Watts @ 115V (230V) Nominal
Access Opening	6.8" x 3.7" (172mm x 94mm)
Depth	9.25" (234 mm)
Wetted Parts	304 Stainless Steel
Power†	115 VAC (±10%), 60 Hz, 15 amps [230 VAC (±10%), 50 Hz, 8 amps optional]  NOTE: If the voltage is outside ±10%, the compressor may be damaged. Check the back panel label for the correct voltage and frequency prior to energizing the unit.
Volume	2.4 gal. (9.2 liters)
Weight	78 lb. (35.4 kg)
Size	12" W x 24.5" D x 23" H (305 mm x 622 mm x 584 mm)
Safety	OVERVOLTAGE (Installation) CATEGORY II, Pollution Degree 2 per IEC 1010-1
Refrigeration	R-507 single stage
Interface Package	RS-232 included, IEEE-488 optional

†Rated at listed 115 V (or optional 230 V).