



WindChill™ Air Chiller for Ultra-Low Temperatures

The Thermonics AC-95 WindChill Air Chiller is an advanced, open-loop cooling system providing -95°C air for use in process temperature control at ultra-low temperatures.

FEATURES

- No LN₂ required
- Manual flow adjustment
- Integrated air dryer
- Proprietary single-compressor, auto-cascade system



SPECIFICATIONS

System Model	Thermonics AC-95 Air Chiller
Temperature Performance*	-95°C at chiller output at 18scfm (60Hz) -90°C at chiller output at 18scfm (50Hz)
Air Flow Rate	4-18scfm (1.9 - 8.5 l/s) with air supply of 15-30 scfm (7.1-14.2 l/s)
System Dimensions	Height: 46.0 (117cm) Width: 24.0" (61cm) Depth: 26.0" (66cm)
System Weight	380 lbs. (172.4 kg)
Air Connections	Input (rear) 5/8" barbed fitting Output (front) 1/2" OD copper tube
Power Requirements	Voltage: 200 to 230 VAC, single phase Frequency: 50/60 Hz, Current: up to 20A
Clean, Dry Air (CDA) Requirements	Filtered to 5 micron particulate contamination; Oil Content: <0.1 ppm, by weight, filtered to 0.01 micron; Dew point: <+10°C @ 6.9 BAR (100PSI)
Air Supply Pressure	6.2 to 7.6 BAR (90 to 110 PSIG, 100PSI nominal)
Total Air Flow Rate Required	15 to 30scfm (7.1-14.2 l/s)
Air Supply Temperature	20 to 25°C (22°C nominal)
Ambient Operating Temperature	20 to 28°C (23°C nominal)
Ambient Operating Humidity	0 to 60% (45% nominal)
Compliance	Designed to meet CE, EN 61010, NEC
Documentation	User's manual

*temperature performance under nominal operating conditions

