

## 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 LN<sub>2</sub> required
- Manual flow adjustment
- Integrated air dryer
- Proprietary single-compressor, auto-cascade system



### Specifications

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

\*temperature performance under nominal operating conditions

The inTEST Thermal family includes three temperature-related corporations: Temptronic, Sigma Systems, and Thermonics.