

Advanced Temperature Test (ATT) Systems

Thermal System: Thermal System: +30°C to +350°C

This guide contains information to help prepare your facility for the arrival of your ATT Systems thermal systems C300 chuck. The thermal system discussed here is for use with compatible 300mm systems.

Thermal System Requirements

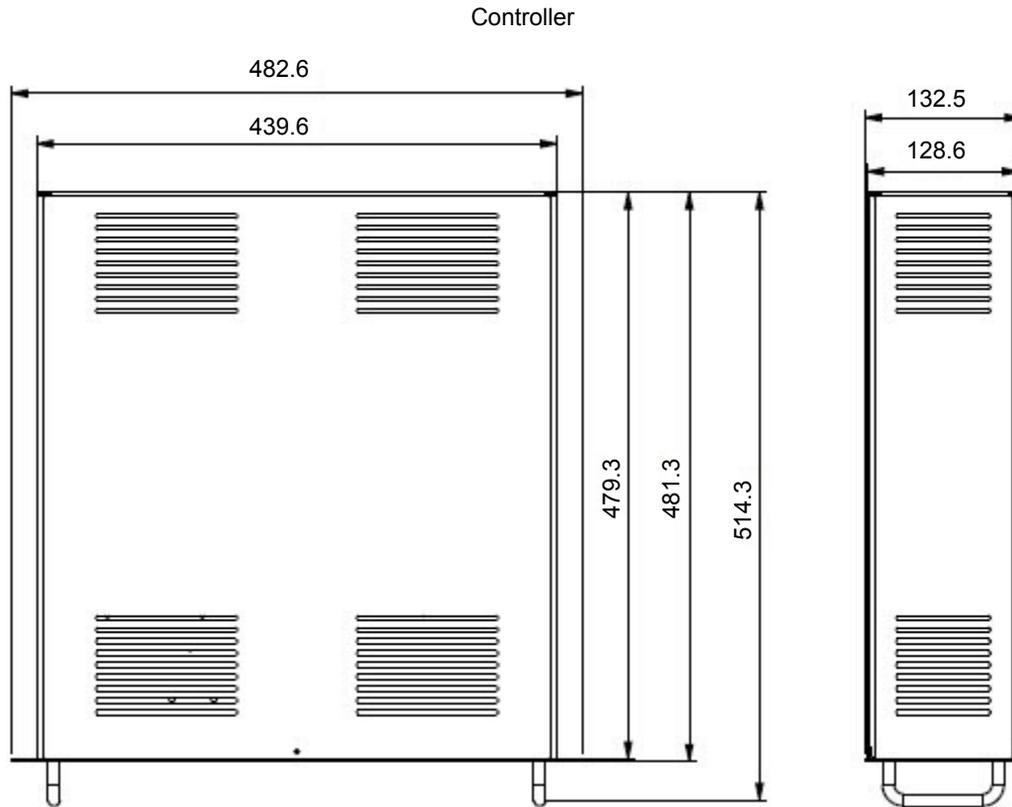
Clean Dry Air (CDA)		WARNING						
		<p><i>Operating the system without sufficient air pressure or flow can cause significant component damage. The control unit and the chiller must be connected to common ground.</i></p> <p><i>FormFactor does not endorse or recommend using nitrogen instead of CDA for thermal system operation with any FormFactor system due to the risk of oxygen depletion in the working environment. If your testing configuration requires the use of nitrogen instead of CDA for MicroChamber purge, time in Quick Purge mode should be controlled. Discuss your setup with your safety and facilities departments to ensure that the oxygen flow in your working environment is adequate to dissipate any nitrogen build up. The use of oxygen sensor alarms is also recommended. For MicroChamber purge requirements, refer to your probe station Facility Planning Guide.</i></p>						
		<table border="0"> <tr> <td>Cooling medium</td> <td> <ul style="list-style-type: none"> • ISO 8573.1 Class 1.3.1 (-20°C dew point, oil less than 0.01 mg/m³) </td> </tr> <tr> <td>Temperature</td> <td> <ul style="list-style-type: none"> • Minimum: 5°C • Maximum: 30°C </td> </tr> <tr> <td>300 mm</td> <td> <ul style="list-style-type: none"> • 400 l/min (14.1 CFM) at SATP* supplied at 6-8 bar (87 - 116 psi) gage • 10 mm OD push-in tube connection </td> </tr> </table>	Cooling medium	<ul style="list-style-type: none"> • ISO 8573.1 Class 1.3.1 (-20°C dew point, oil less than 0.01 mg/m³) 	Temperature	<ul style="list-style-type: none"> • Minimum: 5°C • Maximum: 30°C 	300 mm	<ul style="list-style-type: none"> • 400 l/min (14.1 CFM) at SATP* supplied at 6-8 bar (87 - 116 psi) gage • 10 mm OD push-in tube connection
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Power	Controller	<ul style="list-style-type: none"> • Single phase: 208-240V, 50/60 Hz, 3600VA max 17A • Source: <ul style="list-style-type: none"> – North America: NEMA L6-30 – Europe: CEE VII (Schuko) – Other: consult factory 						
Environmental Conditions	Thermal system heat rejection	Cooling media air is used to cool the chuck and is exhausted into the surrounding environment						
	Ambient temperature	<ul style="list-style-type: none"> • +18°C to +28°C 						
	Relative humidity	<ul style="list-style-type: none"> • 20% to 60% 						
Communications		<ul style="list-style-type: none"> • RS-232 						
Dimensions (WxDxH)	Controller	<ul style="list-style-type: none"> • See Dimensions on page 2 						
	Rack	<ul style="list-style-type: none"> • 3U 19-inch rack mount 						
Weight	Controller	<ul style="list-style-type: none"> • ~23 kg (51 pounds) 						

* Standard Ambient Temperature And Pressure (SATP)

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Thermal System: +20°C to 300°C, +30°C to 300°C

Dimensions



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