

TOP COOL 1000

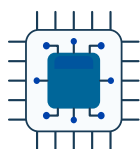
Extreme High Power Thermal Control Unit

 **-70°C to 200°C**

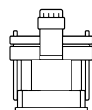
 **Up to 1500W**

 **-40°C @ 1000W (Tc)**

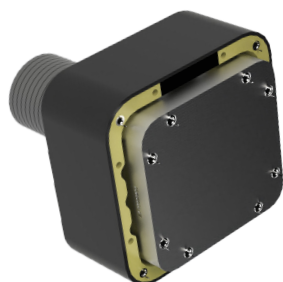
 **75mm Head**



MD Thermal Control Units offer high efficiency and flexibility, supporting various package types and device sizes, whether socketed or soldered. Using advanced technology, they provide precise and consistent temperature control through direct contact with the thermal head's tip.



The pneumatically driven thermal head ensures stable temperature regulation, excellent power handling, and precise control, making the units ideal for high-power devices, including AI - HPC & other extreme high-power devices.



75mm Thermal Head

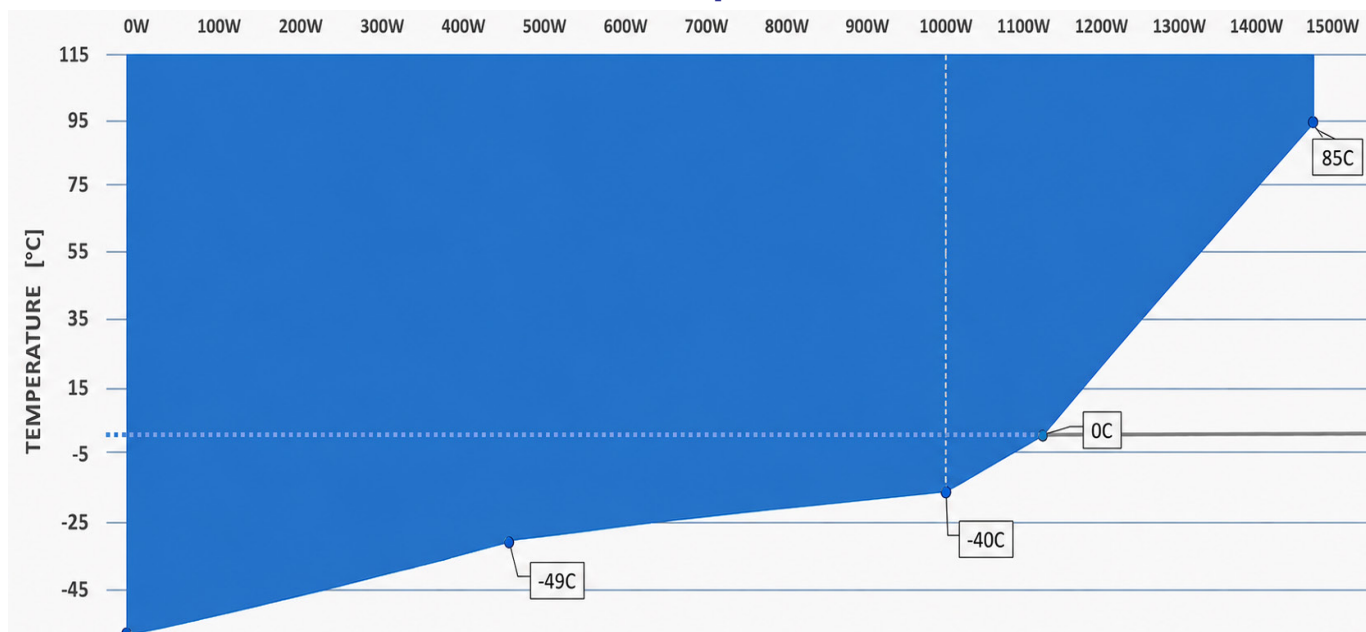
Large contact area for high-power devices and packages.
Packages up to 119mm

Clip-on Actuator

Pneumatic actuation ensures stable pressure and precise control



75mm HEAD T-CASE - Power Dissipation



OPERATING

Cooling Power	-40°C @ 1000W (Tc)
Temperature range	-70°C to +200°C
Temperature accuracy	±0.2°C
Transition rates	Up to 75°C/min
Sensor types	PT100/ DUT Thermal Diode
Actuation type	Pneumatic clip-on
Actuation force	350 kgf



FACILITIES

Power	3PH 208-230/440V AC 50/60Hz
CDA	<0.5 cfm @ 90 PSI -70°C dew point
Operating temp.	-10°C to 30°C
Plug	3P+N+E



MECHANICAL DATA

System size (WxHxL)	577x370x753mm
System weight	100 Kg
Ctrl to TH distance	~2 m (6.5 ft)



DATA COMMUNICATION

Ethernet	TCP/IP, RJ-45
Touch screen	7" LCD



FEATURES

- Temperature range -70°C to 200°C
- High cooling power
- Temperature stability 0.2°C
- Self-contained liquid free operation
- Quiet and portable
- Adapt to most packages/sockets
- Thermal Feedback loop programmable
- Maintenance FREE
- Remotely controlled via ethernet



AVAILABLE OPTIONS

- Clip-on actuator
- Manual actuator
- Toggle clamp
- Boom stand
- Customized fixtures
- Enclosures



APPLICATIONS

- ATE, SLT and bench
- High reliability testing
- OEM integrations
- LN2/thermal stream/chiller replacement

