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# ULTRA LOW TEMPERATURE TEST CHAMBER -85°C TO 180°C



Qualitest offers Ultra Low Temperature Test Chambers in 64L capacity with two different temperature ranges . The combination of our advanced refrigeration technology and US-made R508 refrigerant helps these chambers to achieve -85°C temperature.

## APPLICATIONS

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### Ultra Low Temperature Test Chamber (-85°C to 180°C)



## FEATURES

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### Features of Ultra Low Temperature Test Chamber:

- Automatic refrigeration switching for efficient operation
- Viewing window with lamp
- Stainless steel interior
- Two stainless steel shelves
- Standard 50mm (2") diameter cable port
- Specimen power supply control terminal
- Mode program setting function
- In addition to running fixed value program, our chamber is capable for mixed programs as you set.

## TECHNICAL SPECIFICATIONS

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### Ultra Low Temperature Test Chamber Technical Specifications:

Model		QT-UL75-THC	QT-UL85-THC
Temperature	Temperature range	-75°C~180°C	-85°C~180°C
	Temperature fluctuation	±0.5°C	

Cooling rate	180.0°C~-75.0°C Within about 100 minutes 1.7°C/min	180.0°C~-85.0°C Within about 95 minutes 2.2°C/min
Heating rate	-75.0°C~-180.0°C Within about 85 minutes 3.0°C/min	-85.0°C~-180.0°C Within about 53 minutes 5°C/min
Temperature uniformity	±1.5°C(-40.0°C~-100.0°C)	
	±2.0°C(100.1°C~-180.0°C -40.0°C~-85.0°C)	
Material	Internal material	SUS304 stainless steel(1.2mm)
	External material	cold-rolled plate(1.5mm), powder coating
	Heat insulation	polyurethane foam(100mm)+glass wool(10mm)
	Fan	Centrifugal fan (Impeller Fan)
	Refrigeration compressor	Hermetic Compressor(Tecumseh)
	Cooling mode	Air Cooling
	Refrigerant	R404A, R23, R508

Evaporator	Finned-tube exchanger		
Heater	Nickel chrome strip heater		
Size	Interior size(mm) WxHxD	400*400*400 64L	400*400*400 64L
	Outer size(mm) WxHxD	950*1200*630	950*1200*630
	Weight	145kg	145kg
Operating ambient temperature		+5 ~ 35°C	
Power supply		220V AC 50/60Hz 16A (110V is also available. Please specify when ordering)	220V AC 50/60Hz 35A (110V is also available. Please specify when ordering)
Controller		TEMI-1500	



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## Connect with us

Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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