

## Thermotron Environmental Chamber



Stock No	<a href="#">OY2020</a>
Manufacturer	<a href="#">Thermotron</a>
Model	SM 16 CE
Year of Manufacture	1993
Serial	21832 - S
Internal Size (WxDxH mm)	760 x 760 x 760
Max Temp	+45°C
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	750
External Dimensions (WxDxH mm)	1350 x 1600 x 2000

### Description

#### Thermotron SM-16 Thermal Climatic Test Chamber

When extreme temperature testing is required, the Thermotron SM-16 Test chamber offers ultimate flexibility

Typical applications include metallurgical conditioning and extreme durability testing, automotive temperature, as well as corrosion testing and electronic PCB burn in etc.

The chamber comprises a 453 litre stainless steel inner chamber, fully seam welded, enclosed in a mild steel outer



shell. Between the two is a layer of mineral fibre and foam insulation.

A fully-hermetic air cooled refrigeration system is used to lower the temperature of the inner chamber, the refrigerant being passed through a finned evaporator coil located at the rear of the chamber behind an air baffle system.

The refrigeration plant is located in the lower compartment of the chamber and exhausts warm air to the BACK of the machine.

Heating of the chamber is effected by inconel sheathed heater elements located behind the baffle system.

Air flow is achieved using a single motor driven fan

Technical specification for the Thermotron SM-16 Thermal Climatic Test Chamber

- Volume litres 453
- Chamber Dimensions (w x d x h) 760 x 760 x 760
- External Dimensions Width (w x d x h) 1140 x 1500 x 2060
- Temperature range °C Maximum +45°C
- Temperature uniformity +/- 0.3°C
- Temperature control tolerance +/-0.3°C
- Maximum heat load: 1800 Watts
- Power Supply volts: 230 volts single phase
- amps 13
- Type free standing
- Weight kg approx. 397

Please note that this machine does not have a separate 'humidity phase' as some customers require.

Please see service report attached.

This machine is supplied with a full Operational manual including installation, service and programming procedures

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**