



ParaTherm Heater / Cooler

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ParaTherm Heater / Cooler

The ParaTherm is a compact and efficient heater/cooler unit which is intended for use in connection with an oxygenator to facilitate patient thermo-regulation during extra-corporeal bypass procedures such as ECMO.

Owing to the ParaTherm's robust and sleek design, it is ideally suited for either a permanent site in an Intensive Therapy Unit (ITU) or for use as a mobile device in the transport of patients.

Key Features:

- Automatic self-diagnostic to check temperature safety cut-off.
- Clear display panel and valved quick connection sites.
- Exceptionally quiet and environmentally friendly.
- A simple and precise operating system.
- Extremely safe and user friendly.

In contrast to larger traditional theatre heater/coolers, the ParaTherm benefits from employing a fully 'closed' water circulatory system.

A further advantage the ParaTherm offers over the larger theatre thermo-regulatory devices, is that it provides thermo-electric heating and cooling through non-fluid contact Peltier tiles. This replaces the need for harmful refrigerants or water submerged heating elements which are prone to calcification.



- Negative Pressure Room:

Decontamination begins in the negative pressure room, which houses an independently filtered lamina flow cabinet. This controlled environment allows the separation and containment of any potentially infected units - helping to reduce the risk of cross-contamination.



Chalice recognises the need for extremely tight infection control. This is why we carry out a majority of routine service and maintenance work inside a purpose built dual-stage decontamination facility.

The dual-stage cleanrooms consist of a monitored and validated Class 8 negative pressure room and, a Class 7 positive pressure room as per the BS EN ISO 14644 standard. Both rooms use hepa-filters to screen out particulates down to 0.5 μ (0.0005mm).

Specifications:

Power Voltage:	220 - 230 VAC, 50 / 60 Hz 115 VAC, 50/60 Hz
Setting Range for Water Temp:	15 - 39 °C
Water Content:	0.65 / 0.75 L (min / max)
Pumping Level:	Max. 5.5 L (min / max)
Cooling Time (20 - 15 °C):	5 - 10 min
Warming Up Time (20 - 37 °C):	5 - 10 min
Safety Cut Off:	41.1 - 41.5 °C
Weight:	17 kg (approx. empty water tank)
Dimensions:	200 x 290 x 440 mm



View from Right

+ Positive Pressure Room:

Decontamination continues, along with other required maintenance inside the positive pressure room. This is done to isolate the equipment and units inside from the external environment - making every effort to return them back to their owners as clean and bacteria free as possible.





Chalice Medical Ltd

Manton Wood Enterprise Park,
Worksop, Nottinghamshire,
S80 2RS, United Kingdom

+ 44 (0)1909 470 777
enquiries@chalicemedical.com
www.chalicemedical.com

NOTE: Availability of products is based on market regulations.