



Product Specification

VARITHERM WAX BATH LNC884

AUG022 v1

Ordering information

Varitherm wax bath
LNC884



Wax 25kg (supplied as 5 x 1kg blocks)
P11



Thermometer
(supplied with bath)
T1A

Varitherm Wax Bath

This is efficient and odour-free and heats up to 18kg of wax. It is digitally thermostatically controlled with a safety cut-out in the event of lack of water. Lockable castors with lid and wax bath thermometer supplied as standard

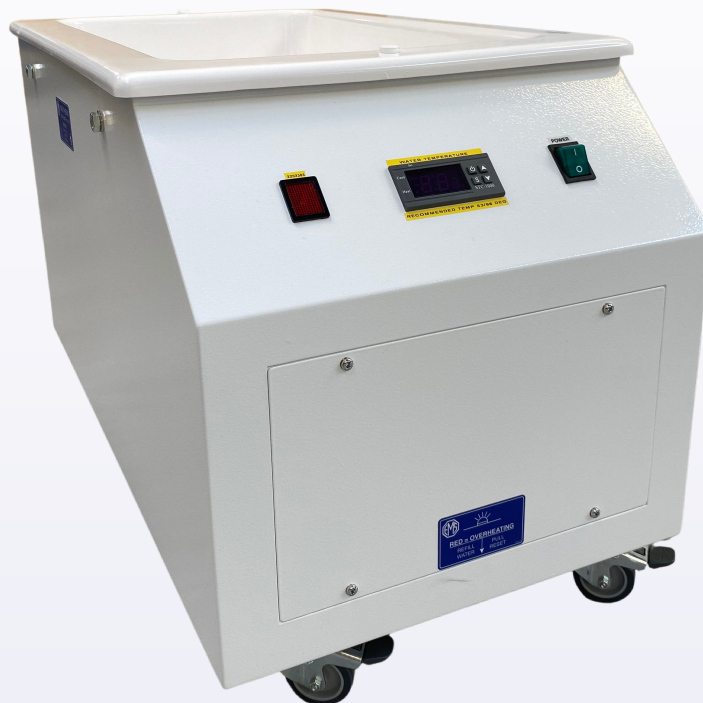
Technical Specification

- **Power Input:** 200-240 VAC 50/60 Hz (100-120 VAC 50/60 Hz available to special order)
- **Power Consumption:** 3 kW
- **Protection Devices:** 15A circuit breakers in each supply line.
- **Alarm Indicator:** Red Neon Lamp
Size (H x W x D) 410 x 440 x 760 mm
- **Water Capacity:** 17 litres
- **Wax Capacity:** 18 kg
- **Weight:** (empty) 23 kg
- **Weight:** (fully loaded) 58 kg
- **Classification (EN60601-1) Class 1, Type B.**

The Varitherm Wax Bath has been designed to meet the requirements of BS EN60601-1:2001 "Medical Electrical Equipment, Part 1: General Requirements for Safety".

Further information (continued over)

The Varitherm Wax Bath comprises a resin tank which holds the paraffin wax, surrounded by an electrically heated, thermostatically controlled water jacket. The temperature control may be set to maximum in order to provide rapid melting of the solid wax when the unit is first switched on. After almost all of the wax is melted, the temperature control is normally set to approximately 50° C so that the paraffin is just in its molten state.



The latent heat of fusion of the wax is released as the wax solidifies, therefore, applying heat to the treatment area at constant temperature. In normal treatment several layers of wax are applied and further heat is released from the wax into the skin. Another consequence of the solid layer of wax is that moisture is prevented from being lost from the surface being treated. At the end of treatment, when the wax is peeled off, the skin is left moist and soft.

Further information continued...

Hot Wax therapy is one of several methods available to the therapist of applying heat directly to the surface of the body. Paraffin Wax supplied by EMS Physio Ltd melts at between 45° and 47° C.

The wax is held at a temperature just above its melting point and the part of the body being treated is either immersed in the molten wax or the wax is poured onto it. Heat is transferred from the wax to the treatment area by thermal conduction. Although temperatures above 45° may lead to skin damage under normal circumstances, immersing a hand or foot in paraffin wax at 50° C is quite comfortable. Water or oil at the same temperature would be uncomfortable and possibly damaging. However, when the skin comes into contact with the molten wax, the wax immediately next to the skin solidifies forming a thin insulating layer. This insulating layer, which is of low thermal conductivity, lowers the rate at which heat energy is applied to the skin to a level which is safe.

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LNC884

EMS Physio Ltd - making it better since 1924

EMS Physio Ltd designs, manufactures and supplies electrotherapy equipment from our purpose-built offices and factory in the UK.

Our products include shockwave therapy products, therapeutic ultrasound units, electrical stimulators and shortwave diathermy products.

We also supply a full range of physiotherapy equipment including treatment couches, exercise equipment, gait analysis, pulse compression therapy units, CPM machines and the general equipment you would expect to find in an established clinic.