



MediHeat V1200

Veterinary Recovery Chamber

Operating Instructions

Description

The V1200 Recovery Chamber is an electronically controlled warm air cabinet, designed to aid the post operative recovery of small animals/mammals and act as an avian hospital cage. It can also be used as an IV fluid warming cabinet.

The cabinet is constructed from tough ABS plastic, and has a ventilated perspex door for a clear view of the inside. It is designed to be used either lying on its back (for recovery or IV fluid warming) or standing upright (for avian use).

An electronic thermostat accurately controls the internal air temperature, adjustable between approximately 16 & 48 °c, which is displayed on a digital module. Indicator lights are provided to show heater operation and fault warning.

For IV bags, aluminium shelves can be purchased to fit the moulded ridges. Please speak to your supplier.

Specification:

Power	120w
Voltage	240v ~ 50/60Hz
Protection	IPX0
Standard	BS EN60335 & BS 5724 Part 1

Technical Data

The mains lead fitted to this device is of type Z attachment. This means that if the lead is damaged in any way, it cannot be replaced, and the device should be returned to the manufacturer for repair.

The moulded plug is fitted with a 3 amp fuse. If the fuse needs to be replaced, always use a 3 amp BS13653 fuse. If the plug needs to be removed, connect the wires as follows:

The wires in the mains lead are coloured in accordance with the following code:

Blue – Neutral
Brown – Live

The wire coloured Blue must be connected to the terminal marked N or coloured Black. The wire coloured Brown must be connected to the terminal marked L or coloured Red.

Neither wire should be connected to the terminal marked E or coloured Green or Green & Yellow.

Instructions for use

Controls

All of the controls are located on the front of the device above the door. They consist of the following:

- On/Off Switch Located on the right hand side. Illuminates when the power is on.
- Fan On/Off Switch Located to the left of the Power Switch.
- Temperature Control Large knob. Turn clockwise to increase temperature.
- Temperature Display Displays the internal air temperature of the chamber.
- Heater Light Amber light. Indicates heater on or off.
- Fault light Red light. Indicates a fault with the device.
- Test button Test the fault circuit.

Operation

The V1200 has two modes of operation; **Fan Assisted** or **Convection**. For small animal recovery and IV fluid warming, the device should be laid on its back. For avian recovery, the unit should be used in the upright position. If the optional shelves are purchased, the unit can be used in the upright position for IV fluid warming as well.

In **Fan Assisted** mode (fan switch 'On'), the thermostat senses the air passing through the fan, and therefore a rapid warmup of the cabinet will occur. The exact setting can be adjusted on the dial, but as a guide, with the dial in the '7 o'clock' position, the temperature will be in the region of 36°C.

The air in the cabinet is recirculated by being drawn into the fan and out of the vent in the bottom. It is safe to leave the device operating in this way whilst being used for recovery, but if you prefer, the fan can be switched off after initial warmup to provide a more settled environment for very sensitive animals.

In **Convection** mode (fan switched 'Off'), the thermostat senses the surface temperature of the base element, thus ensuring that the surface on which the animal is sitting is controlled to a safe level. Additional heat is provided through the walls of the device, however, when used in convection mode the unit will take longer to warm up than in fan assisted mode.

A fault warning circuit is incorporated into the design. Operation of the fault circuit causes the red 'Warning' light to illuminate. The light may momentarily illuminate when the device is first switched on or when switching between modes. The circuit can be tested by depressing the button marked 'Test' above the red light. If the amber 'Heater' light is on, depression of the test button will extinguish it and illuminate the 'Warning' light. If the 'Heater' light is off, correct function of the fault circuit will be confirmed if the 'Warning' light illuminates.

Maintenance

The device is a sealed unit, so only the following items are user serviceable. For repairs, please return to Peco Services Ltd.

Cleaning

Always disconnect the device from the mains power supply before cleaning it.

The device should only be cleaned with mild detergents and sterilising solutions. Under no circumstances should solvents of any kind be used. Use of such materials will damage the device.

The V1200 is classified as IPX0. This means that it is not waterproof, but can withstand ingress of a small splash of water. When cleaning the device, use a damp cloth. Care should be taken to prevent contact with water or other liquids whilst in use.

In the event of water or other liquids entering the device, it should be returned to the manufacturer for inspection/repair.

Digital Temperature Display

The digital display is battery powered. The battery is a 1.5v LR44 or equivalent and has a life of between 12 and 24 months. To change the battery, first disconnect the device from the mains supply. Carefully prise the display module from the front of the casing using a flat bladed screwdriver. The battery compartment can be found on the back of the display module. The cover is removed by twisting anticlockwise. Ensure that the correct polarity is observed when inserting the new battery.

Fan Filter

The fan filter can be removed for cleaning. It is located in a plastic frame clipped to the fan. Remove the frame by carefully prising it away from the fan using your fingers. Clean the foam filter by washing in soapy water and leave to dry in air at room temperature. Replacement filters are available.