

HBD - Base Drum Heater (up to 150 °C) - Operating Instructions

Safety instructions

1. Read all instructions before using the heater.
2. When not in use unplug the mains lead.
3. Do not immerse the heater in liquids.
4. Do not touch the surface of the heater during operation. After switching off, allow the heater to cool completely before handling.
5. Use the heater only for its intended use, as described in these instructions.
6. Disconnect from the electrical supply before removing terminal cover.
7. The heater must not be used if it is damaged in any way. If the mains lead is damaged, it must be replaced by the manufacturer or a similarly qualified person in order to avoid hazard, using a special flexible cord.
8. The heater should be connected to the electrical supply via a residual current device or other equipment providing protection from electric shock.
9. During operation, vent the drum to avoid building up of internal pressure.



Electrical requirements

Check that the voltage marked on the heater corresponds to the electricity supply that it will be connected to which must be AC (Alternating Current).

The HBD is of double insulated construction so does not require an earth connection. A suitable approved plug for the country in which the heater is being used should be fitted to the mains lead by a suitably qualified person.

Instructions for use

1. The Base Drum Heater HBD is designed to be used for 200L steel drums for the warming of the contents.
2. Put the drum on the steel plate of the heater. Make sure that the drum is in flush contact with the steel plate.
3. Set the thermostat to the required temperature.
NOTE: The thermostat sensor is positioned to sense the temperature at the junction between heater surface and drum, not the drum contents. Obtaining the ideal temperature of the drum contents must be via experimentation and experience of the material being heated.
4. Plug the heater into the electricity supply.
5. The HBD will begin to heat up and continue until the required temperature set by the thermostat is reached. It will then cycle at this set point until the thermostat setting is changed or the heater is removed from the electricity supply.
6. Switch off and remove the heater from the drum before discharging the contents. This will avoid contaminating the heater from spillages.

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Cleaning & storage

Before cleaning the heater always disconnect from the electricity supply. Wipe the jacket and terminal box with a damp cloth. Do not use solvents or scouring agents and never immerse the heater in liquid.

When not in use, the heater can be folded rolled up for storage. For further information on use or service contact the manufacturer or supplier.

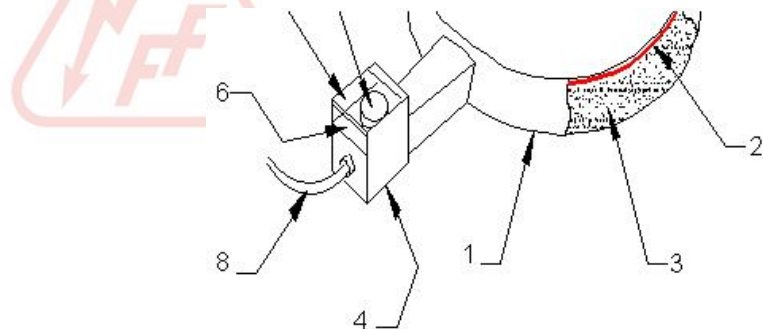
Technical data

| | |
|------------------------|--|
| max. temperature | 150 °C |
| Outer material | steel |
| Insulation material | none |
| Protection class | II |
| Cable length | 2 meters |
| Type of cable | PVC cable with braided metal sleeve and PVC sheath |
| Fastening | - |
| Control | Capillary pipe thermostat |
| Control range | 0 – 150 °C |
| Heating zones | 1 |
| Special sizes possible | no |

| Power at 230 V | Heating surface size | Control unit size | Total size | Part-No. |
|----------------|---|--------------------------------|--|----------|
| 900 W | Height 70 mm Ø Top 550 mm Ø Bottom 600 mm | Height 105 mm Length 280 mm | Height 105 mm Length 880 mm Width 600 mm | 387N.001 |

Legend:

- 1) Base
- 2) Heating mat
- 3) Thermal insulation
- 4) Controller & housing
- 5) Control dial
- 6) Access to control dial
- 7) Vision panel
- 8) Cable



Find more information about us and our products on www.freek-fassheizungen.de or www.freek-heaters.com.

No warranty claims can be derived from these user instructions.

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