

HISD - Insulated Side Drum Heater (up to 90 °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 HISD 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 Insulated Side Drum Heater HISD is designed to be used on plastic or steel drums for the warming of the contents.
2. Fit the heater to the drum by wrapping around and securing with the quick release buckles. Make sure that the jacket is wrapped tightly around the drum – please use the belts.
3. Position the heater so only the amount of drum contents required is heated. This will aid warm up time. i.e. if the full contents of the drum are required position the heater at the bottom of the drum. If only a small amount of the contents is required the heater can be placed nearer the top of the drum.
4. 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.
5. Plug the heater into the electricity supply.
6. The heater jacket 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.
7. Switch off and remove the heater from the drum before discharging the contents. This will avoid contaminating the heater from spillages.
8. Do not bend or crease the jacket when it is plugged in. This could lead to overheat and damage the jacket.

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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 insulation | 90 °C |
| Outer material | Flame retardant waterproof polyurethane-coated polyester |
| Insulation material | Fibreglass |
| Protection class | II |
| Cable length | 4 meters |
| Type of cable | H07RN-F with Schuko-plug |
| Fastening | Quick-release buckles |
| Control | Capillary pipe thermostats |
| Control range | 0 – 90 °C (or 0 – 40 °C) |
| Heating zones | 1 |
| Special sizes possible | yes |

| Drum size | Power at 230 V | Length | Width | matches Ø | Control range | |
|-------------|----------------|---------|--------|--------------|---------------|-----------|
| | | | | | 0 - 90 °C | 0 - 40 °C |
| 25 liters | 200 W | 1020 mm | 400 mm | 277 – 323 mm | 387D.013 | 387D.110 |
| 50 liters | 250 W | 1250 mm | 460 mm | 350 – 398 mm | 387D.003 | 387D.111 |
| 105 liters | 400 W | 1650 mm | 370 mm | 478 – 525 mm | 387D.018 | 387D.112 |
| 200 liters | 450 W | 1950 mm | 450 mm | 573 – 621 mm | 387D.001 | 387D.113 |
| 200 liters* | 1200 W | 1950 mm | 800 mm | 573 – 621 mm | 387D.004 | 387D.114 |

*for steel drums only

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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