


# HISD - HTSD - HSHP - HSSD - HBD - IBC/B - Operation Instruction

## Safety Instructions

1. Read all instructions before using the heater.
2. Use the heater only for its intended use, as described in these instructions.
3. When not in use unplug the mains lead.
4. Ensure the supply cable is not in contact with hot surfaces during operation.
5. 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.
6. Connection and operation of the heating system must be carried out in accordance with applicable standards, national, and local regulations. Proper grounding, conductor sizing, and adequate short-circuit protection must be ensured.
7. The heater must be used in a dry environment.
8. Do not immerse the heater in liquids.
9. The base drum heater HBD should be sited on a suitable heatproof and level surface.
10. Do not touch the surface of the heater during operation. After switching off allow the heater to cool completely before handling.
11. During operation vent the drum resp. container to avoid build up of internal pressure.
12. The heater must be operated only with filled drums.
13. If you need to open the junction box, you must disconnect the heater from the power supply first. Only qualified electricians should open the junction box. Opening the junction box voids the manufacturer's warranty. The heater must be inspected/tested/commissioned by qualified personnel after opening the junction box.
14. Drum heaters are portable electrical equipment. According to the Operational Safety Ordinance (BetrSichV) and the accident prevention regulations for handling electrical systems and equipment DGUV Regulation 3, they must be checked regularly.

## Electrical Requirements

1. 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).
2. If necessary, a standard national plug should be attached to the heater by a qualified person. Models with the double  insulated symbol do not require an earth connection.

## Cleaning & Storage

1. Before cleaning the heater always disconnect from the electricity supply. Wipe the heater surfaces and terminal box with a damp cloth. Do not use solvents or scouring agents and never immerse the heater in liquid.
2. When not in use and after cooling, store the heater in a dry environment.
3. For further information on use or service contact the manufacturer or supplier.

## General Instructions & Operation

1. The heaters are designed to warm the contents of drums. The HISDpro heating jacket with a maximum of 450 W can also be used for plastic drums. All other models are only suitable for metal drums.
2. Heating jackets (HISDpro HTSD HSHP) are wrapped around the drum and secured with straps and buckles. Silicon side drum heaters (HSSD) are wrapped around the drum and tightened with springs. For base drum heaters (HBD), place the drum on the heater so that it sits flat on the plate, with the bottom lip extending over the edge. For the IBC/Bpro container heater, where possible, use the Velcro straps on the top edge to support the jacket while fitting around the container.
3. It is important that the heater is a tight fit with no creases or rucks. And that there is no overlapping of heated areas.
4. For optimal heating time, position the heater so that only the contents to be heated are warmed. If the entire drum content is to be heated, position the heater at the bottom of the drum. If only part of the drum content is to be heated, place the heater at the top of the drum.
5. Set the thermostat(s) to the required temperature.  
NOTE: the thermostat sensors are positioned to sense the temperature at the junction between the heater surface and container, not the container contents. Obtaining the ideal temperature of the contents must be via experimentation and experience of the material being heated.
6. Plug the heater into the electricity supply. The red and amber neon indicators will light to show that power is supplied and the heater is on.
7. The amber neon indicator will light when the heater element is on. When the required temperature is reached the indicator will go out. This process will continue as the heater cycles.
8. Disconnect from the supply and remove the heater from the container before discharging the contents. This will avoid contaminating the heater from spillages.
9. On wrap around models do not connect the heater to the supply while rolled or folded on itself. This may cause overheating and damage the heater.
10. As there are operational and environmental parameters in every practical application that cannot be precisely determined in theory, we recommend testing our heating elements in the application itself under actual operating conditions.

No warranty claims can be derived from the user instructions.

### Contact

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