



VULCANIC S.A. - 48, rue Louis Ampère
 Zone Industrielle des Chanoux - F 93330 NEUILLY / MARNE (France)
 Tél. (33) 01.49.44.49.20 - Fax (33) 01.49.44.49.41



OWNER'S MANUAL

DRUM HEATER FOR PLASTIC DRUMS

REFERENCES 7535-01/02/03/04

1 - APPLICATION :

Heating of plastic drums up to 90°C maximum.

2 - DESCRIPTION :

- Heating blanket of coated nylon fabric with attaching straps and clips.
- Regulation thermostat adjustable from 0 to 90°C in protected case.
Caution : this thermostat measures the surface temperature of the heated drum and not the temperature of the product itself.
- Voltage : 230 VAC.
- Heating power : see nameplate.
- Maximum current : see nameplate.
- Power supply cable : length 1.5 meters (phase + neutral).
- Equipment class 2 : double insulation.

3 - TECHNICAL CHARACTERISTICS :

Consult our technical manual "Drum heaters for plastic drums type 7535" for standardized equipment or the specific drawing for special equipment.

4 - PRECAUTIONS ON USE :

Check that :

- The power supply voltage used corresponds to the supply mentioned on the equipment nameplate.
- The drum heater is de-energized before handling and manipulation.
- The clamping capacity of the drum heater corresponds to the diameter of the drum to be equipped.
- The location of the drum where the drum heater is positioned is cylindrical, not ribbed, and free of bosses or deformation.
- The surrounding belt is in place and suitably tightened onto the recipient to be heated before energizing.
- The type of heated drum is capable of tolerating the adjustment temperature of the regulation thermostat.
- The boiling point of the heated product can be reached and that all provisions are made to avoid the pressurizing of the drum (for instance by the removal of the plug).
- All precautions shall be taken to avoid any overflow of the heated product (the envelope of the heated blanket is not water-proof).
- If the drum heater is designed to heat a flammable product in a closed room, the room must be properly ventilated.
- Do not handle the drum heater manually other than when wearing suitable gloves to forestall any risks of burning.

NOTE : The drum heater must not be used with any other heating system.

5 - **ASSEMBLY AND CONNECTION** :

- Position the drum heater preferably at the bottom of the recipient to be heated (in the vertical position).
- Adjust the tightness of the belt by means of the straps, after connecting the 2 clips.
- For electrical connection, it is preferable to use a power outlet in conformity with current standards and adapted to the current absorbed by the equipment.

6 - **COMMISSIONING** :

- Before energizing the drum heater, make sure that it is tight to optimize its performance.
- Remove the drum top closing cap.
- Energize the drum heater, first checking that it meets all conditions required for satisfactory operation.
- Adjust the setpoint of the thermostat to the desired value : first check that the operation of the button causes the shutdown of heating and its restarting.

NOTES : The information on the thermostat knob vernier is not significant of the recipient surface temperature which depends on the conditions of use and on the physical and chemical characteristics of the heated product. Proceed by successive readjustment of the setpoint until the desired product temperature is reached, measuring it with a thermostat.

: The heating time depends on calorie losses, on the specific heat of the heated product and of the latent heat during a change of state.

- During and after heating, handle the drum and drum heater with care to avoid any risks of burning and overflow.

7 - **MAINTENANCE** :

Before each use :

- ensure the general good condition and more specifically the condition of the electric power supply cable and the thermostat.
- if necessary, clean the belt without using aggressive or abrasive products.

NOTE : The heating elements cannot be replaced.

8 - **GUARANTEE** :

Our guarantee is in conformity with the inter-union agreements of Electrical Construction and with our general conditions of sale.

Deterioration caused by :

- use exceeding 10% of the nominal voltage provided for,
- wear caused by a lack of maintenance, impact, clumsy handling or inexperience of the user,
- failure to comply with this manual, the state-of-the-art rules and legislation,
- phenomena of corrosion or tearing in the heated blanket,

cannot be considered binding on our responsibility.