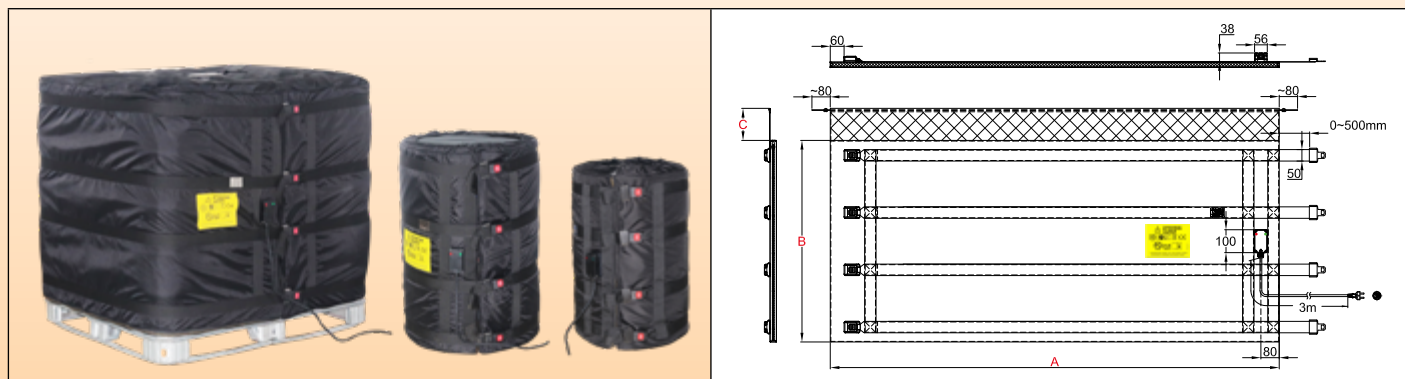


# Fixed temperature setting flexible jacket heaters for metal drums and 1000 liters IBC



Because of permanent improvement of our products, drawings, descriptions, features used on these data sheets are for guidance only and can be modified without prior advice

| Containers material        | Maximum temperature limited to : | Tightening                    | Thermostat                                      | Insulation thickness | Type         |
|----------------------------|----------------------------------|-------------------------------|---|----------------------|--------------|
| Metal or plastic with grid | 65°C                             | Nylon straps and metal buckle | Surface mounted, fixed setting temperature 65°C | 20mm                 | <b>9VJF6</b> |



## Main Features

This **economical version** of flexible jacket heater is used to reduce viscosity or to melt soaps, animal or vegetable fats, varnishes, oils, food or chemical products.

These models are available for containers of 110L (30 US gallons), 210L (55US gallons) and 1000 liters IBC. The jacket heater covers the entire surface and is surmounted by a soft collar "a scarf" preventing it from sliding down. They can be made with two power levels (0.05W/cm<sup>2</sup> and 0.1W/cm<sup>2</sup>) and insulation thicknesses of 20mm. In these models the surface temperature is limited to 65°C.

When they are used with an insulated lid and an insulated pedestal, their energetic efficiency can rise 90%.

## Technical characteristics

The heating element of the flexible jacket heater consists of a network of silicone insulated heating wires shielded by a metal braid, taken under a cover sewn in PU and Teflon coated polyester fabric. A 20mm thick, temperature-resistant NBR-PVC foam insulation is inserted between the heating network and the outer wall. This insulating foam has an insulation coefficient (Lambda λ) of 0.039W/m.K, and this makes it possible to divide the energy losses by 3 compared to jacket heaters insulated with mineral wool or carbon fiber felt of the same thickness. Four adjustable **metal** buckles allow quick assembly and disassembly and efficient clamping on the container. Their mechanical strength is exceptional.

### Fabric covering:

- Internal heating face: Teflon coated polyester fabric,
- External side: waterproof PU coated polyester fabric.

### Thermal insulation:

NBR-PVC foam, with closed cells and high temperature resistance, thickness 20mm.

### Heating element:

Silicon insulated heating wire with metal braid providing mechanical protection against puncturing and good grounding.

### Temperature control:

A temperature limiter is incorporated in the heating net to limit the surface temperature to 65°C. Two pilot lamps indicate the presence of voltage and the heating function.

**Warning: these models start to heat up as soon as you connect them to the power supply.**

### Connection cable:

Insulated rubber power supply cable, for industrial environments, 3 x 1mm<sup>2</sup> length 3m, Euro plug. (3x1.5mm<sup>2</sup> for the IBC model). UL plug on request.

### Mounting on containers:

These jacket heaters feature nylon straps with quick-release adjustable buckles for adjustment to the diameter of the container, and a soft fabric collar without thermal insulation named scarf. This flexible scarf can be used to hold in place an insulating lid.

### Options:

- 0.135W/cm<sup>2</sup> surface load for fast heating. (Not available for IBC in this temperature control version). See technical introduction.
- Power supply 110/115V
- Power cord with industrial plug 2-pole + earth 16A CEE (IEC60309)

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- Lids and insulated pedestals: see the accessories pages.

**Compliance with standards:** CE compliant. TUV certificate: EEC Low Voltage Directive (LVD) and EMC directive 2004/108/EC, and CE marked accordingly.

## Main references (see the technical introduction for the liquids heating time)

| References*      | Volume, US gallons | Volume, Liters | Dia. (mm ± 12; Inch ± 1/2") | Height A (mm/inch) | Flat length B (mm/inch) | Scarf C (mm/inch) | w/cm <sup>2</sup> (W/in <sup>2</sup> )** | Watt | Voltage V |
|------------------|--------------------|----------------|-----------------------------|--------------------|-------------------------|-------------------|--|------|-----------|
| 9VJF6731558550HG | 30                 | 110            | 460 (18.1)                  | 730 (28.8)         | 1550 (61)               | 100 (3.9)         | 0,05 (0.32)                              | 550  | 220/240   |
| 9VJF6881898880HG | 55                 | 210            | 585 (23)                    | 880 (34.6)         | 1890 (74.4)             | 100 (3.9)         | 0,05 (0.32)                              | 880  | 220/240   |
| 9VJF6A0D398B205G | 264                | 1000           | 1000 x 1200 (39.4 x 47.3)   | 1000 (39.4)        | 4390 (172.8)            | 100 (3.9)         | 0,05 (0.32)                              | 2200 | 220/240   |
| 9VJF6731558A10HG | 30                 | 110            | 460 (18.1)                  | 880 (34.6)         | 1550 (61)               | 100 (3.9)         | 0,1 (0.64)                               | 1100 | 220/240   |
| 9VJF6881898550HG | 55                 | 210            | 585 (23)                    | 1000 (39.4)        | 1890 (74.4)             | 100 (3.9)         | 0,1 (0.64)                               | 1660 | 220/240   |

\* For these products supplied with UL plug and not Euro plug, replace the 15th character by X.

\*\* In this temperature control version 0.1W/cm<sup>2</sup> and 0.135W/cm<sup>2</sup> are not available for IBC size.

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