

Energy Saving Band Heaters



ESBH heaters meets Environmental and Economic constraints related to Energy Consumption, for more than 30 years.



How to achieve the same setpoint with less power ?

Forerunner of this type of technology, **Acim Jouanin** proposes products based on the principle of **reducing heat losses** by adding a **fibrous insulation**, a reduction of the nominal power and a **decrease of the surface rate** (W/cm^2).



Custom Made Manufacturing

It is therefore possible to adapt this band heaters **according to your needs** and thermally insulate each one, to respect the different heating zones, the probe locations or other tappings on the injection presses or extruders sheaths.

From
15% to 40%
Energy Saving

according to the equipments



Multiples Benefits for Optimum Results

Used on classic band heaters (mica or ceramics), this technology **reduces convection losses**.

Gains until 40% of the energy consumption has been observed by the french test laboratory **APAVE**, on industrial production sites.

The ESBH conception heaters **reduces the initial power of around 25%** with a specific rate of **$3W/cm^2$** .

Allows better temperature control (accuracy and homogeneity)

Better working conditions for users.





Patented n°8601529 ESBH technology



Since decades our technology has been used by major manufacturers in **automotive, tube manufacturing** and others **plastic specialists**.

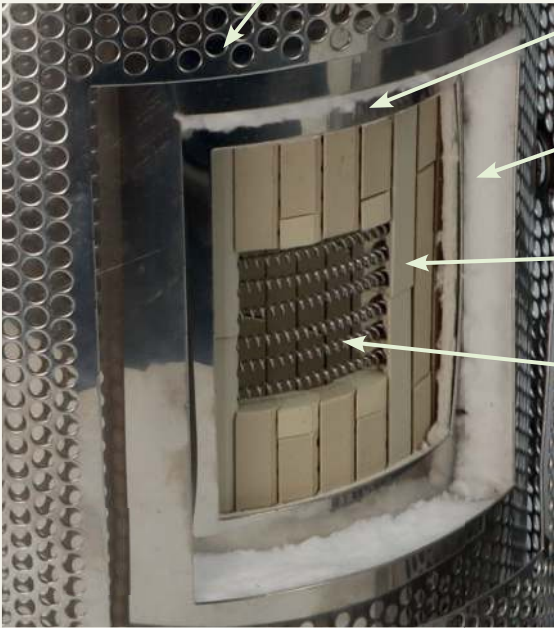
Anti-burning plate

Mechanical ESBH protection

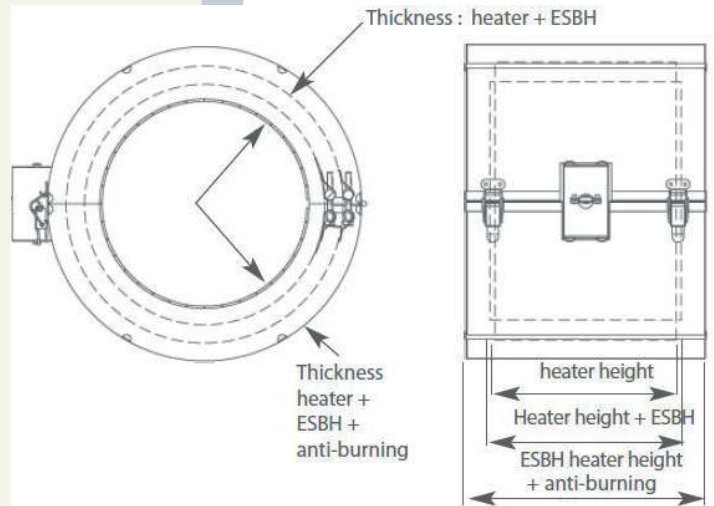
Insulation

Ceramic / Mica

Heating elements



Dimensions



Energy Saving Band Heaters quotation

Please collect the following informations on the existing heaters :

- Outer diameter & Length
- Power & Tension
- Gap between installed heaters
- Width and length of terminal box
- Position of sensors, in or between heaters

For new installations, we can support you in the design of your needs.



Contact



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Kind of band heater	Thickness	Total height
Insulated ceramic heater ESBH	28 mm	H + 6 mm
Insulated ceramic heater ESBH with anti-burning sheath	50 mm	H + 11 mm
Insulated mica heater (small ESBH)	10 mm	H
Insulated mica heater ESBH	20 mm	H + 6 mm
Insulated mica heater (small ESBH) with anti-burning sheath	50 mm	H + 11 mm

Sizes without connection cap.