

# ATHERMALU

The 28mm/1,1" diameter Athermalu heater range, offering a power from 3 to 14 kW and different heating lengths is specially designed to reheat or maintain aluminum baths in holding furnaces.

It is composed of a Nickel-Chromium resistance inserted into a high performing insulator conducting heat, the whole is fitted in a ceramic sheath directly immersed into the liquid metal.

This kind of heating method, directly in heart of molten metal, guarantees a perfect temperature homogeneity, a better aluminum quality and less corundum.

In practice, it leads to an output close to 100% and to great energy savings.

|                   |   |
|-------------------|---|
| Resistance        | Nickel Chromium   |
| Sheath            | Sialon  |
| Power             | Up to 14kW  |
| Power supply      | From 220V mono to 440V 3 phase, up to 600V also available |
| Heating Length    | Up to 800 mm / 31,5"                                      |
| Sheath Length     | Up to 1050 mm / 41,3"                                     |
| Average life time | Over 13 months  |



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Different connectors are available (cable gland or rapid plug, upon request)

| Sheath length      | Length under Flange<br>$\pm 0,4" / 10 \text{ mm}$ |
|--------------------|---|
| 43,3" / 1100mm std | 41,3" / 1050mm                                    |
| 39,4" / 1000mm std | 37,4" / 950mm                                     |
| 37,4" / 950mm      | 35,4" / 900mm                                     |
| 35,4" / 900mm std  | 33,5" / 850mm                                     |
| 33,5" / 850mm      | 31,5" / 800mm                                     |
| 31,5" / 800mm      | 29,5" / 750mm                                     |
| 29,5" / 750mm std  | 27,5" / 700mm                                     |
| 27,5" / 700mm      | 25,6" / 650mm                                     |

