BACKER IMMERSION HEATERS FOR WATER HEATING WITH ELEMENT TUBES IN ACIDPROOF STAINLESS STEEL

Properties

Backer standard range of screw plug immersion/insertion heaters in stock are suitable as heat sources for instance in domestic water heaters, calorifiers, electric boilers, tanks and industrial baths.

The heaters consists of 2 pieces Backer tubular heating elements soldered to a screw plug. It could be fitted with different accessories such as terminal box, thermostat, safety temperature limiter, etc.

Technical specification

Material
Tubular elements Ø8,5 mm in acidproof stainless steel EN 1.4404/AISI 316L
Screw plug G1¼” (R32, 42 mm) in brass
Tube for thermostat/temp.limiter Ø10x0,5 length 170 mm IU 25
Tube for thermostat/temp.limiter Ø10x0,5 length 260 mm IU 26-29

Inactive length 60±6 mm
Electric connection M 4
Assembly Kit with gasket and connection parts included
Max working temperature 120°C
Max working pressure 9 bar
Manufacturing standard Backer 40579311 CE
Standards SS 4330701, SS-EN 60335-1, UL-1030, ISO 6469-3
Power tolerance +5% / -10%
Surface power density Approx. 8,8 W/cm²

Standard assortment

<table>
<thead>
<tr>
<th>Type</th>
<th>Power</th>
<th>Voltage</th>
<th>Insertion length</th>
<th>Article no</th>
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</thead>
<tbody>
<tr>
<td>IU25</td>
<td>1x500 + 1x500</td>
<td>230</td>
<td>160</td>
<td>3020398101</td>
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<td>380</td>
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</table>
Circuit diagram/ connection alternatives*

*Electric connection must be performed by an appropriated electrician

Options
Terminal boxes, thermostats and safety temperature limiters, different options
Nut G1¼" in brass article no 1140485403
Reducing nut G1¼"-G1½" in brass article no 1160135701