Properties
Backer standard screw plug immersion/insertion heater in stock is suitable as heat source for instance in domestic water heaters, calorifiers, electric boilers, tanks and industrial baths.

The heater consists of 3 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 copper C 12200
- Screw plug G1¼” (R32, 42 mm) in brass
- Tube for thermostat/temp.limiter Ø10x0,7 length 180 mm

Inactive length 60±6 mm
Electric connection M4
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 W/cm²

Standard assortment

<table>
<thead>
<tr>
<th>Type IU</th>
<th>Power W</th>
<th>Voltage V</th>
<th>Inserted length Max mm</th>
<th>Article no</th>
</tr>
</thead>
<tbody>
<tr>
<td>IU20</td>
<td>1x500 + 2x750</td>
<td>230</td>
<td>215</td>
<td>2530607301</td>
</tr>
</tbody>
</table>
**Circuit diagram/ connection alternatives**

*Electric connection must be performed by an appropriated electrician

**Options**

Terminal boxes, thermostats and temperature safety limiters, different options

Nut G1¼” in brass article no 1140485403

Reducing nipple G1¼”-G1½” in brass article no 1160135701