

BACKER IMMERSION HEATERS FOR LIQUID 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, vessels and industrial baths.

The heaters consists of 2 pieces Backer tubular heating elements brazed to a screw plug.

It could be fitted with different accessories such as terminal box, thermostat, safety temperature limiter, etc.

Technical specification

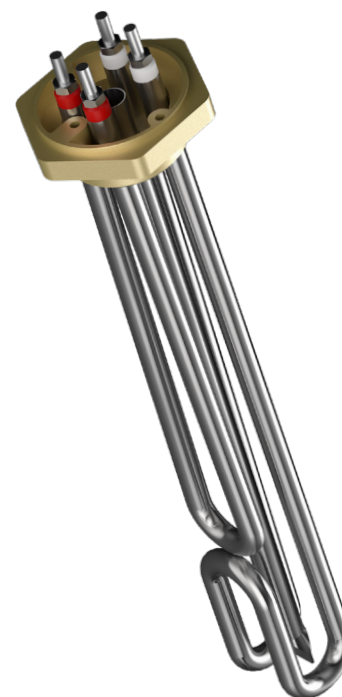
Material	Tubular elements Ø8,5 mm in acidproof stainless steel EN 1.4404/AISI 316L Screw plug G1¼" (R32, 42 mm) in brass Tube for thermostat/temp.limiter Ø10x0,5 length 170 mm IU 25 Tube for thermostat/temp.limiter Ø10x0,5 length 260 mm IU 26-29
Inactive lenght	60±6 mm
Electric connection	M 4
Assembly	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/cm ²

Standard assortment

Type IU	Power W	Voltage V	Insertion length Max mm	Article no
IU25	1x500 + 1x500	230	160	3020398101
IU26	1x500 + 1x1000	230	255	3020398102
IU27	1x670 + 1x1330	230	255	3020398103
IU29	1x1000 + 1x2000	230	380	3020398104



Type IU25-26

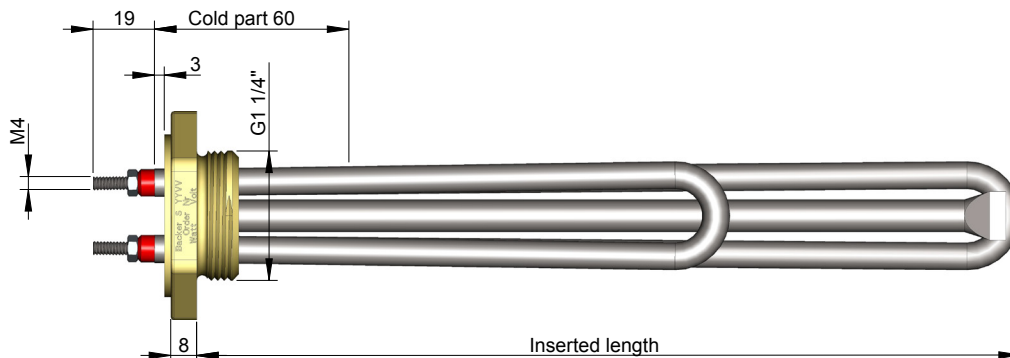


Type IU27-29

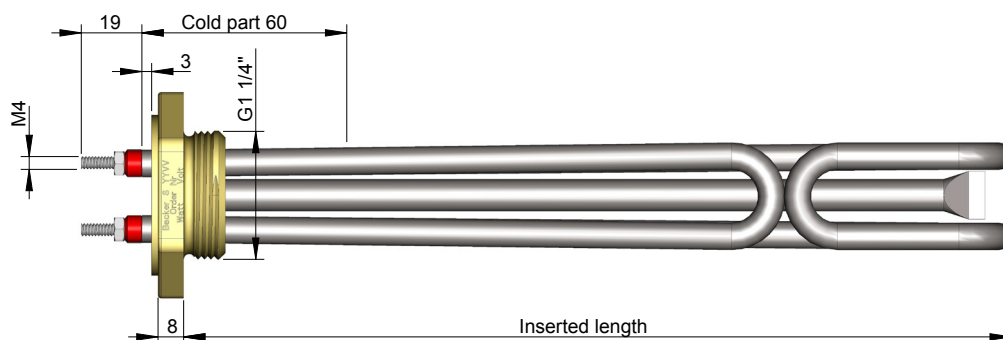
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Type IU25-26

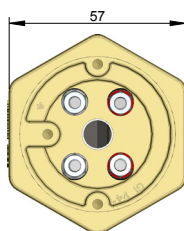


Type IU27-29



Circuit diagram/ connection alternatives*

IU25-29



*All electric connections and energizing components, must be done by a qualified electrician.

Options

Terminal boxes, thermostats and safety temperature limiters, different options

Nut G1 1/4" in brass article no 1140485403

Reducing nut G1 1/4"-G1 1/2" in brass article no 1160135701