

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.

Technical specification

Material	Tubular elements Ø8,5 mm in acidproof stainless steel EN 1.4404/AISI 316L Screw plug G1" (R25, 33 mm) in brass
Inactive length	60±6 mm
Electric connection	Tab terminal 6,3±0,1 mm
Assembly	Gasket 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. 5,5 W/cm ² IU21-23, approx. 9,3 W/cm ² IU24



Type IU22

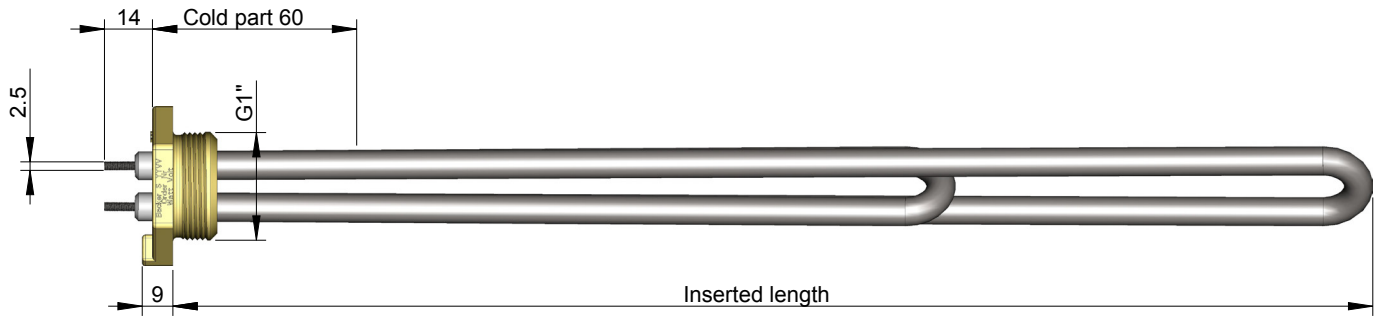
Standard assortment

Type IU	Power W	Voltage V	Insertion length Max mm	Article no
IU21	1x250 + 1x750	230	320	3020398001
IU22	1x500 + 1x1000	230	355	3020398002
IU23	1x725 + 1x1225	230	435	3020398003
IU24	1x1250 + 1x1750	230	435	3020398004

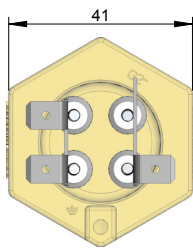
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Circuit diagram/ connection alternatives*



*Electric connection must be performed by an appropriated electrician