

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.

Suitable for heating of de-ionized water.

The heaters consists of 3 pieces Backer tubular heating elements tigwelded to a screw plug.

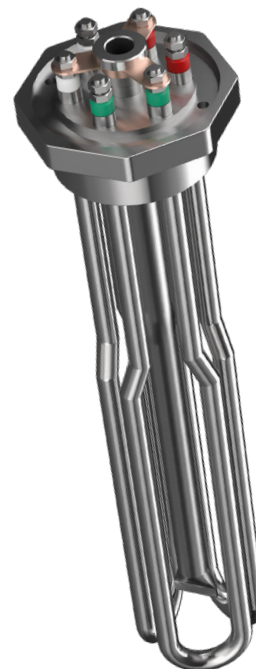
It could be fitted with different accessories such as terminal box, thermostat, safety temperature limiter, tube and insulation for flow-through heater, socket wrench for assembly, etc.

Technical specification

Material	Tubular elements Ø8,5 mm in acidproof stainless steel EN 1.4547/UNS S 31254 Screw plug G2" (R50, 60 mm) in stainless steel EN 1.4305/AISI 303 Tube for thermostat/temp.limiter Ø12x0,5 length 260mm
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/cm ²

Standard assortment

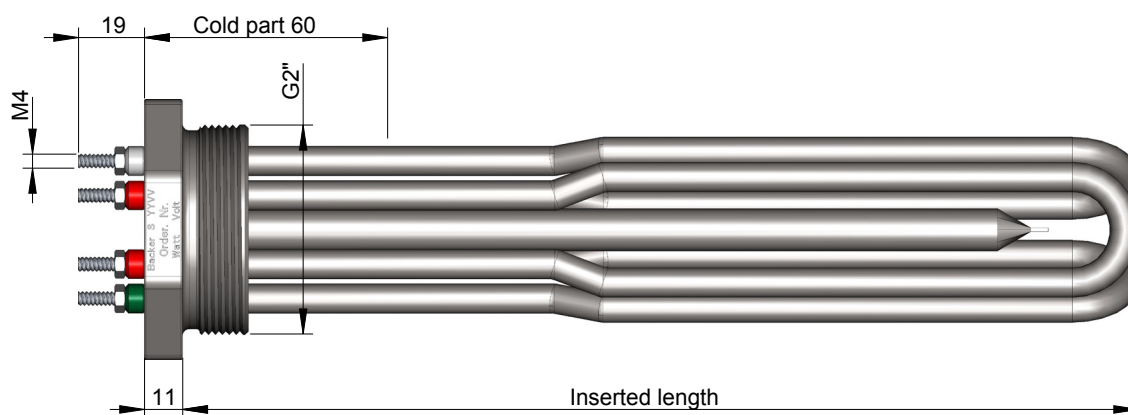
Type IU	Power W	Voltage V	Insertion length Max mm	Article no.
IU34S	3000	230/400	280	2520391601
IU39S	6000	230/400	540	2520391602



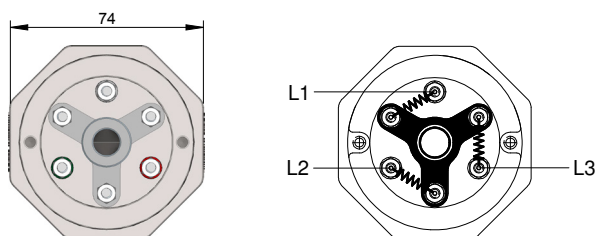
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Type IU



Circuit diagram/ connection alternatives*



Star connection Y 3x400V

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

Options

Terminal boxes, thermostats and safety temperature limiters, different options

Tube and insulation for flow-through heater, different options

Socket wrench key G2" article no 1160143201

Nut G2" in brass article no 1140485405