

# Water Immersion Heaters



**Water Immersion Heaters**

## Product Description

These heaters are made of Copper sheathed Tubular heating element filled with high grade insulation powder & kanthal coil at the centre which is brazed to a Brass flange / S.S.Flange. Heaters are nickel chrome plated and are provided with earthing Terminals. A metallic cap is provided for protection of Terminals.

### Features

- ▶ Copper tube for instant heating and cooling
- ▶ Nickel plated for longer life
- ▶ Flange thread sizes of 1.25", 1.5", 2", 2.5" & 3" bspt in ready stock
- ▶ Fitted with metallic cover for protection
- ▶ S.S. flange available

### Application

- ▶ Boilers
- ▶ Baine marie
- ▶ Industrial washing machine
- ▶ Water tanks
- ▶ Scientific and lab equipments

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## Technical Specification

Sheath Material	Copper / SS304 / SS316 / Incoloy
Sheath Temperature	100° C Max.
Insulation Material	High Purity MgO.
Heating Element	NiCr 80:20
Voltage Rating	48 V to 440 V (Single / Dual / Three Phase)
Power Rating	50 W / in <sup>2</sup> & above.
Tube Dia Options (in mm)	8, 10.5, 12.5, 15.5, 19
Power Tolerance	± 10%
Resistance	± 5%
Flange Sheath Material	Brass / SS304 / SS316 / MS
Threaded Flange Connection Options	1" / 1 ¼" / 1 ½" / 2" / 2 ½" / 3" BSPT Thread
Other Flange options	25 NB & above
Lead Connections	Screw Post
Thermocouple Probe	Available on demand

Custom Lengths and Wattage available.

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## Standard Stock Sizes

Type	Watts	Volts	Length	Flange	No. of Elements
SVE/10/220	1000W	230V	220 mm	1 ¼" BSPT	1
SVE/15/220	1500W	230V	220 mm	1 ¼" BSPT	1
SVE/20/325	2000W	230V	325 mm	1 ¼" BSPT	2
SVE/30/425	3000W	230V	425 mm	1 ¼" BSPT	2 / 3
SVE/20/220	2000W	230V	250 mm	1 ¼" BSPT	2
SVE/20/280	3000W	230V	290 mm	1 ¼" BSPT	2 / 3
SVE/30/220	3000W	230/400 V	220 mm	1 ½" BSPT	3
SVE/40/260	4000W	230/400 V	260 mm	2" BSPT	3
SVE/50/320	5000W	230/400 V	320 mm	2" BSPT	3
SVE/60/380	6000W	230/400 V	380 mm	2" BSPT	3
SVE/90/550	9000W	230/400 V	550 mm	2" BSPT	3
SVE/120/575	12000W	230/400 V	575 mm	2 ½" BSPT	3

Custom Lengths and Wattage available.