

Angular Immersion Heater

Angular Immersion Heater Materials:

| Type | Immersion tube diameter (mm) |
|-------|----------------------------------|
| KB 45 | Stainless Steel (Mat. No. 316Ti) |
| SB 45 | Steel E 235 |
| TI 45 | Titanium (Mat. No. 3.7035) |

Angular Immersion Heater Overview

| (vertical immersion tube: any length, min. 200mm) | | | | | | |
|---|------------------|-------------------|----|--|-----|-----|
| Horiz. immersion tube (mm) | Rated power (kW) | Rated Voltage (V) | | Surface power density (W/cm ²) | | |
| | | KB | SB | TI | KB | SB |
| 250 | 0,63 | x | - | 3,1 | 3,1 | 3,1 |
| 500 | 2,00 | x | x | 3,6 | 3,6 | 3,6 |
| 750 | 3,00 | x | x | 3,4 | 3,4 | 3,4 |
| 1000 | 4,00 | x | x | 3,2 | 3,2 | 3,2 |
| 1250 | 5,00 | - | x | 3,2 | 3,2 | 3,2 |
| 1500 | 6,00 | - | x | 3,1 | 3,1 | 3,1 |
| 1750 | 7,00 | - | x | 3,1 | 3,1 | 3,1 |
| 2000 | 8,00 | - | x | 3,1 | 3,1 | 3,1 |
| 2250 | 9,00 | - | x | 3,1 | 3,1 | 3,1 |
| 2500 | 10,00 | - | x | 3,0 | 3,0 | 3,0 |
| 2750 | 12,00 | - | x | 3,3 | 3,3 | 3,3 |

The Terminal Casing

The BC terminal casing for angular immersion heaters consists of high temperature stabilized PP. Problemfree use in most process liquids is ensured by good mechanical and thermal strength as well as wide ranging chemical resistance. The PVDF terminal casing (BC/L) is recommended in cases of extreme temperature (liquid temperature >80°C) or when subjected to strongly oxidizing chemicals (e.g. chrome electrolyte or HNO₃). The protective casing is IP 65 (jet-waterproof) according to EN 60529.

Easy access to the terminal (after fitting) when connecting the lead is also ensured by unscrewing the cap with the mounting wrench SB.

The Lead

The PVC connecting lead is with a standard length of 1.6 m. Other lead lengths can be provided if desired.

Safety Technology

Please remember that electrical heating systems are supposed to be equipped with safety technology (temperature limiter and dry-out protection) on the part of the user according to EN 60519/1-2.

This can be most effectively implemented by level rod-probes and floating switches with integrated temperature sensors and the relevant electronics. We can also offer you suitable products for this and we can advise you in all aspects of safety technology.

Accessories

Standard supports are available for secure fixing of the angular immersion heater or a specific flange connection can be planned to suit your needs. We would be glad to advise you on the best possible fixing.

- Support HWB
- Mounting Wrench SB