

# CSN® flow heater type 97/VS

## DESCRIPTION

CSN® industrial flow heaters are ideal for heating liquids and gaseous media. By using our CSN® electric screw-in heaters, which are specially designed for your process, we guarantee a long service life and high efficiency. The 97 VS electric instantaneous water heater consists of a robust stainless steel flow tube and offers the flexibility of individual replaceable screw-in heating elements. Thanks to high-quality stainless steel, it is also suitable for heating aggressive media.



## PRODUCT ADVANTAGES

- Also suitable for low volume flows
- Compact, welded stainless steel design
- Modular design
- In accordance with Pressure Equipment Directive 2014/68/EU
- Highly compressed U-shaped CSN® tubular heating elements

## TECHNISCHE DATEN

|                                     |  |
|-------------------------------------|--|
| Medium                              | Liquid and gaseous   |
| Power                               | 0.5 to 100 kW  |
| Voltage                             | 110 to 690 V   |
| Ambient temperature range           | Standard +5 to +35°C   |
| Process data                        | Medium, pressure and temperature according to specification  |
| Process connection                  | Female thread DIN EN 10226 RP<br>3/4" to 1 1/2"<br>Flanges DN32 to DN65                                    |
| Heating elements                    | Tubular heating elements   |
| Materials Heating elements          | 1.4404 (AISI 316L); 1.4541 (AISI 321); 1.4571 (AISI 316 Ti);<br>1.4876 (Incoloy 800); 2.4858 (Incoloy 825) |
| Installation length screw-in heater | 300 to 3500 mm   |

|                                |  |
|--------------------------------|--|
| Flow tube                      | Single or multi-tiered in U-shape  |
| Flow tube materials            | 1.4301 (AISI 304); 1.4404 (AISI 316L);<br>1.4408; 1.4571 (AISI 316 Ti)                                   |
| Temperature monitoring         | Temperature controller,<br>temperature limiter,<br>Safety temperature limiter,<br>PT100 or thermocouples |
| Operating pressure             | 0 to 16 bar  |
| Protection class               | IP00 to IP65   |
| Customised versions on request |  |

