

# 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 3/4" to 1 1/2" 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); 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); 1.4408; 1.4571 (AISI 316 Ti)
Temperature monitoring	Temperature controller, temperature limiter, Safety temperature limiter, PT100 or thermocouples
Operating pressure	0 to 16 bar
Protection class	IP00 to IP65
Customised versions on request	

