

CSN® flow heater type 97/AS

DESCRIPTION

The CSN® flow heater 97/AS is specially designed to efficiently heat single or multi-pass liquids and gases. Its design, consisting of an aluminium flow tube with individually replaceable screw-in heating elements, offers flexibility and enables easy maintenance. Thanks to a carefully customised configuration, we guarantee not only a long service life but also a high level of efficiency.



PRODUCT ADVANTAGES

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

TECHNISCHE DATEN

Medium	Liquid and gaseous media up to max. 100°C
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	Internal thread DIN ISO 228 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

Aluminium

Temperature monitoring

Temperature controller,
temperature limiter,
Safety temperature limiter,
PT100 or thermocouples

Operating pressure

0 to 10 bar

Protection class

IP00 to IP65

Customised versions on request

Durchlauferhitzer Typ 97AS

