

CSN® Ex flange heater type 94 Ex

DESCRIPTION

Our CSN® flange heaters (AH) offer compact solutions for outputs of up to 30 kW and are ideal for heating liquid and gaseous media. For even higher requirements, our CSN® Ex flange heater (AHA) is available, offering outputs of up to 55 kW. Both models enable efficient heating in potentially explosive environments. The AHA series can alternatively be equipped with integrated temperature monitoring to ensure additional safety.



PRODUCT ADVANTAGES

- Powerful and robust design
- Heating elements as tubular heaters and high-performance cartridge heaters
- Approval for Zone I and Zone 2I
- Type of protection Ex det
- Approval according to ATEX and IECEx. Further approvals (Peso, CCC, EAC) available

TECHNISCHE DATEN

Authorisation	Zone I, Zone 2I
Certification	ATEX, IECEx Optional: Peso, CCC, EAC
Temperature class	T1 to T6
Ambient temperature range	Standard -40°C to +40°C
Power (kW)	0.2 to 30 (AH) 0.2 to 55 (AHA)
Voltage (V)	up to 1000
Protection class	IP 66
Medium	Liquid and gaseous
Process data	Medium, pressure and temperature according to specification
Process connection	for AH and AHA: Flange: EN 1092-1, PN 16 for AH: up to DN 65 as standard, others according to specification,

	<p>or screw-in thread: ISO 228, G 1 ½", G2", G 2 ½"</p> <p>for AHA: up to DN 100 as standard, others according to specification</p> <p>Without screw-in thread</p>
Heating elements	<p>Tubular heaters</p> <p>High-performance cartridge heaters</p>
Materials Process connection	<p>Steel;</p> <p>1.4404 (AISI 316L); 1.4541 (AISI 321); 1.4571 (AISI 316 Ti)</p>
Heating element materials	<p>1.4404 (AISI 316L); 1.4541 (AISI 321); 1.4571 (AISI 316 Ti);</p> <p>1.4876 (Incoloy 800); 2.4858 (Incoloy 825)</p>
Material of connection cover	<p>Steel / aluminium (painted/powder-coated)</p>
Installation length of heating elements (mm)	<p>300 - 3500 for tubular heaters,</p> <p>up to 6000 for high-performance cartridge heaters</p>
Installation position	<p>horizontal</p> <p>vertical on request</p>
Temperature monitoring	<p>AH: without (standard); optional: external temperature controller, external sensors</p> <p>AHA: without (standard); optional: external temperature controller,</p> <p>internal/external temperature limiter, internal/external sensors</p>
Execution	<p>94F = for liquids</p> <p>94GB = for gases, Ex zone on heating element</p> <p>94GN = for gases, no Ex zone on the heating element</p>
Customised versions on request	

