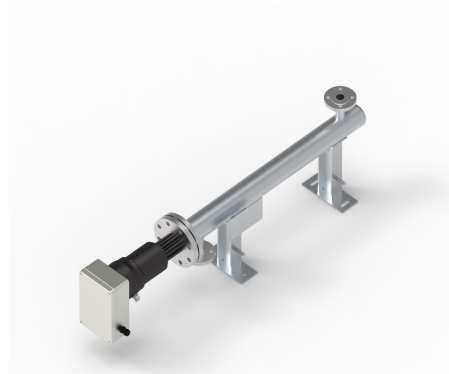


CSN® Ex flow heater type 94 Ex

DESCRIPTION

Our CSN® industrial flow heaters (AH) offer compact solutions for outputs of up to 30 kW and are ideal for heating flowing liquid and gaseous media. For even higher requirements, our CSN® Ex instantaneous water 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
Housing / inlet and outlet nozzles	Flange connections and others
Heating elements	Tubular heaters

Heating element materials	High-performance cartridge heaters 1.4404 (AISI 316L); 1.4541 (AISI 321); 1.4571 (AISI 316 Ti); 1.4876 (Incoloy 800); 2.4858 (Incoloy 825)
Material of connection cover	Steel / aluminium (painted/powder-coated)
Installation length of heating elements (mm)	300 - 3500 for tubular heaters, up to 6000 for high-performance cartridge radiators
Temperature monitoring	AH: without (standard); optional: external temperature controller, external temperature limiter, external sensors AHA: without (standard); optional: external temperature controller, internal/external temperature limiter, internal/external sensors
Execution	94F = for liquids 94GB = for gases, Ex zone on heating element 94GN = for gases, no Ex zone on the heating element
Customised versions on request	

