

CSN® Ex flow heater type 95Ex

DESCRIPTION

Our CSN® Ex flow heaters are designed for outputs of up to 21 kW and are ideal for heating flowing liquid and gaseous media. These electric instantaneous water heaters are specially designed for use in potentially explosive environments and provide a reliable and efficient heat source. Thanks to their integrated temperature monitoring, you can precisely control the operating temperature and thus ensure a safe working environment.



PRODUCT BENEFITS

- Integrated, externally accessible temperature monitoring
- Heating elements as tubular heating elements or cartridges
- 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 21
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 radiators

	Cartridge radiators
	High-performance cartridge heaters
Housing materials	Steel; 1.4404 (AISI 316L); 1.4541 (AISI 321); 1.4571 (AISI 316 Ti)
Heating element materials	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	GGG40.3 (powder-coated)
Installation length of heating elements (mm)	300 - 3500 for tubular radiators, up to 6000 for cartridge radiators
Temperature monitoring	Temperature controller (standard) Temperature limiter (standard) Optional: PT100, thermocouple
Execution	95F = for liquids 95GB = for gases, Ex zone on heating element 95GN = for gases, no Ex zone on the heating element
Customised versions on request	

