

CSN[®] Ex flow heater type 80IEx

DESCRIPTION

Our CSN[®] Ex flow heater was developed for outputs of up to 76 kW and is ideal for heating flowing liquid and gaseous media. This heating solution is specially designed for use in potentially explosive environments and offers maximum safety and efficiency. With the integrated temperature monitoring of our electric instantaneous water heater, you have full control over the operating temperature to ensure a safe working environment.



PRODUCT BENEFITS

- Integrated temperature monitoring
- Heating capacities up to 76 kW possible
- Heating elements as tubular heating elements or cartridges
- Approval for Zone I
- Type of protection Ex de

TECHNISCHE DATEN

Authorisation	Zone I
Certification	ATEX
	Optional: EAC
Temperature class	T1 to T6
Ambient temperature range	Standard -20°C to +40°C
Power (kW)	0.5 to 76
Voltage (V)	up to 1000
Protection class	IP 54
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)
Materials Heating elements	Steel, 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 (painted)
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	80IF = for liquids 80IGB = for gases, Ex zone on the heating element 80IGN = for gases, no Ex zone on the heating element
Customised versions on request	

