

CSN[®] Ex flow heater type H_14Ex

DESCRIPTION

Our CSN[®] Ex flow heater delivers outputs of up to 2000 kW and is perfect for heating flowing liquid or gaseous media. With integrated temperature monitoring, our electric instantaneous water heater not only offers efficient heat transfer, but also maximum safety in potentially explosive atmospheres.



PRODUCT ADVANTAGES

- High outputs possible
- Signal transmitters and standstill heaters can be provided
- Suitable for offshore use (stainless steel connection cover)
- Integrated temperature monitoring
- Approval for Zone I and Zone 2I
- Approval according to ATEX and IECEx. Further approvals (Peso, EAC) available

TECHNISCHE DATEN

Authorisation	Zone I, Zone 2I
Certification	ATEX, IECEx Optional: Peso, EAC
Temperature class	T1 to T6
Ambient temperature range	Standard -20°C to +40°C
Power (kW)	up to 2000
Voltage (V)	up to 1375
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 heating elements
Housing materials	Steel, 1.4404 (AISI 316L); 1.4541 (AISI 321); 1.4571 (AISI 316 Ti); 1.4876 (Incoloy 800); 2.4858 (Incoloy 825)

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	1.4301 (AISI 304) Standard
Installation length of heating elements (mm)	300 to 3500
Temperature monitoring (version via intrinsically safe circuits (Ex i))	PT100 (standard) Thermocouple (optional) Temperature controller (optional) Temperature limiter (optional)
Execution	HF = for liquids HGB = for gases, Ex zone on heating element HGN = for gases, no Ex zone on the heating element
Customised versions on request	

Durchlauferhitzer H_I4EX

