

# CSN® Ex air heater type H\_I4Ex

## DESCRIPTION

The CSN® Ex air heater with an output of up to 2000 kW offers a reliable and versatile solution for the efficient heating of flowing gaseous media. Its special design ensures precise temperature control and meets the highest safety standards. Ideal for demanding applications in areas such as the chemical industry, petrochemical plants, food production, pharmaceutical industry and power generation.



## PRODUCT BENEFITS

- Integrated temperature monitoring
- Approval for Zone I and Zone 2I
- Geometry can be flexibly customised
- Low pressure loss
- Approval according to ATEX and IECEx. Further approvals (Peso, EAC) available

## TECHNISCHE DATEN

Authorisation	Zone I, Zone 2I
Location of the Ex-Zone	Outside airflow (standard) Inside airflow (special design)
Certification	ATEX, IECEx Optional: Peso, EAC
Temperature class	T1 to T4
Ambient temperature range	Standard -20°C to +40°C
Power (kW)	until 2000
Voltage (V)	until 1375
Protection class	IP 66
Medium	flowing gaseous
Process data	Medium, pressure and temperature according to specification
Housing / inlet and outlet nozzles	Flange connections (round/angular) and others
Heating elements	Tubular heating elements



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	1.4301 (AISI 304) (standard)
Temperature monitoring (version via intrinsically safe circuits (Ex i))	PT100 (standard) Thermocouple (optional) Temperature controller (optional) Temperature limiter (optional)
Execution	HGB = for gases, Ex zone on the heating element HGN = for gases, no Ex zone on the heating element
Customised versions on request	



