

# CSN<sup>®</sup> Ex flange heater type 80I Ex

## DESCRIPTION

Our CSN<sup>®</sup> Ex flange heater has been developed for impressive outputs of up to 76 kW and is ideal for heating 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 flange heater, you have full control over the operating temperature to ensure a safe working environment.



## PRODUCT BENEFITS

- Integrated temperature monitoring
- Heating elements as tubular heating elements or cartridges
- Approval for Zone I
- Type of protection Ex de
- PED

## TECHNISCHE DATEN

Authorisation	Zone I
Certification	ATEX
	Optional: EAC
Temperature class	T1 ... T6
Ambient temperature range	Standard -20°C to +40°C
Power (kW)	0,5 ... 76
Voltage (V)	up to 1000
Protection class	IP 54
Medium	Liquid and gaseous
Process data	Medium, pressure and temperature according to specification
Process connection	Flange: EN 1092-1, PN 16, up to DN 200 as standard
Heating elements	Tubular radiators
	Cartridge radiators

Materials Process connection	High-performance cartridge heaters
Heating element materials	Steel, 1.4541, 1.4571, 1.4404
Material of connection cover	1.4541, 1.4571, 1.4404, 1.4876, 2.4858
Installation length of heating elements (mm)	Steel (painted)
Temperature monitoring	300 - 3500 for tubular radiators, up to 6000 for cartridge radiators
	Temperature controller (standard)
	Temperature limiter (standard)
	Optional: PT100, thermocouple
Deviations on request	

