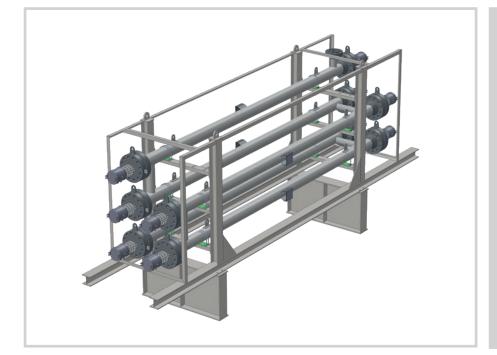
# HEAT EXCHANGERS IN SERIES FOR SAFE AREAS





Electric heat exchangers to heat liquid or aeriform fluids with varying pressure up to 300 bar. Used in cases of high differences in inlet and outlet temperature  $(\Delta T)$  and in cases of installations requiring a high energy input in order to optimise limited space.

## Applications

- Nitrogen
- Oil
- Water
- Steam
- Other process fluids

## Features

IP 55 - IP 66 termination box.

Voltage: Suitable for up to 690V of voltage.

Termination boxes available in carbon steel and stainless steel (AISI 304L or AISI 316L).

PED 2014/68/EU, ASME "U" or other certifications upon request.

Ambient temperature -60°C +60°C.

Anti-condensation heater can be fitted in termination box upon request.

Zoppas Industries exchangers are designed for power up to 3 MW per single unit and for high pressure.

Over temperature and over pressure cut-out system.

### Vessel materials:

- Carbon steel
- Low temperature carbon steel
- Stainless steel
- Duplex/Superduplex

#### Vessel design codes:

- PD 5500 2000 Cat 1
- AD MERKBLATT
- EN 13445
- VSR
- ASME

Resistive elements made from 80/20 NiCr resistance wire and sheath from:

- Incoloy 800 825
- Inconel 600 625
- AISI 304, 309, 316L & 316TI, 321
- Titanium