Kelvion

DT safety technology ensures safe and cost-efficient operation & increases process efficiency

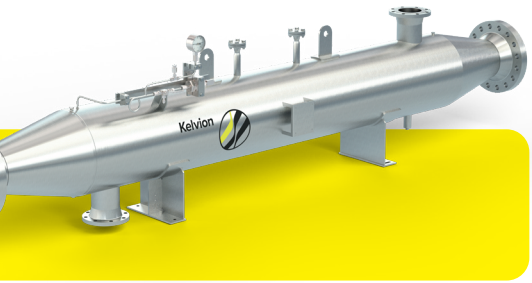
More economical and environmental compliant

Safe media separation and leak monitoring ensured

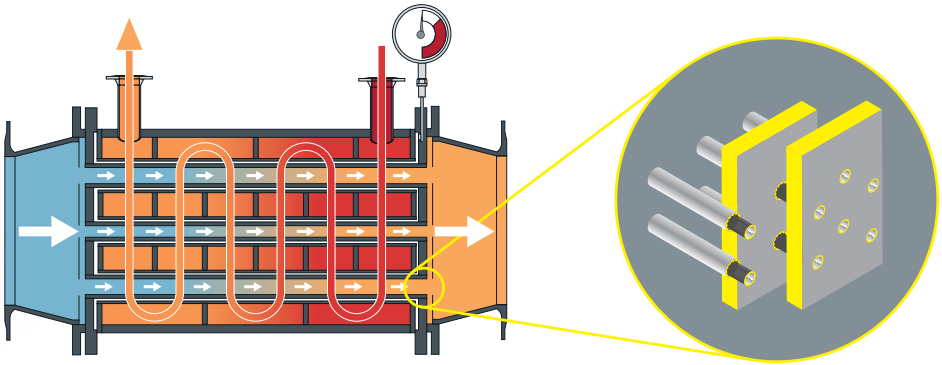
www.kelvion.com

Process Heat Transfer Solutions

SHELL & TUBE DOUBLE SAFETY



PRINCIPLE



DESIGN PARAMETER

DESIGN PRESSURE higher pressure on request

Shell Side — up to 100 bar

Tube Side — up to 320 bar

DESIGN TEMPERATURE

-200 °C — 550 °C

MARKETS

- Power
- Chemical
- Transportation
- Heavy & Light Industry
- Marine
- Oil & Gas

MEDIA

- Water
- Steam
- Oil
- Refrigerants and glycol
- Natural gas
- Solvents
- Chemical and toxic media

DESIGN CODES

- AD 2000
- EN 13445
- ASME
- TEMA

MATERIALS

- Carbon steel
- Stainless steel
- Copper
- Non-ferrous metals (CuNi)
- Titanium
- Hastelloy
- Super Duplex

APPLICATIONS

- Machine Cooling
- Approval thermal oil heating/cooling
- Natural gas heating and cooling
- LNG treatment
- Chlorine liquefaction
- Ammonia evaporation
- Polysilicon treatment

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SHELL & TUBE DOUBLE SAFETY

SMART

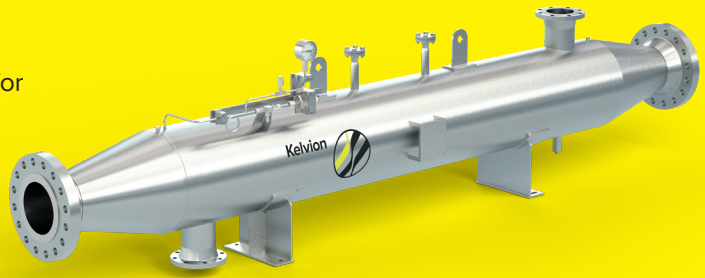
The standardised and cost efficient solution

ADVANCED

Welded shell design for demanding requirements

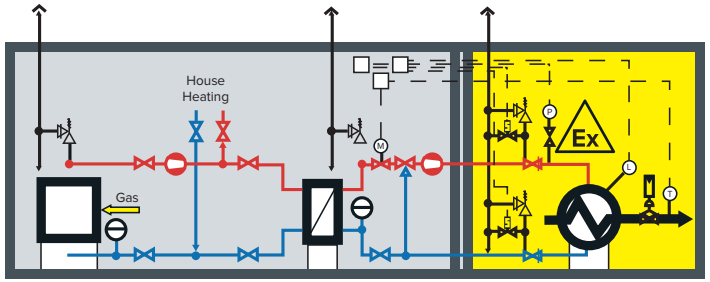
PREMIUM

Sustainable solutions for special applications

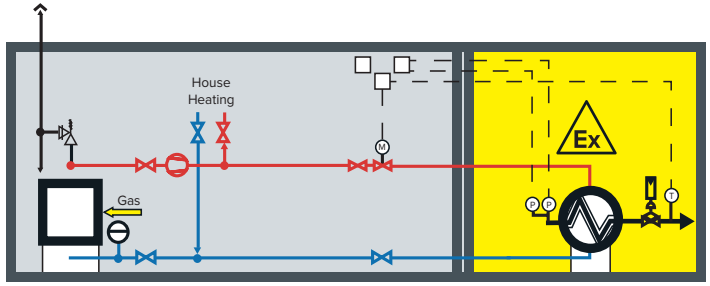


ADVANTAGES OF SHELL & TUBE DOUBLE SAFETY

Natural gas preheating system **without** Kelvion Shell & Tube Double Safety.



Natural gas preheating system **with** Kelvion Shell & Tube Double Safety.



REGULATIONS AND CERTIFICATIONS

- Maritime Classifications
- PED
- ASME Code Stamp (U)
- KTA - Certificate
- EAC - Certificate (TR-TS)
- SELO (China)
- CRN (Canada)
- DIN 2303 Q2
- Euro Chlor
- DVGW