



PAREX H

Heat Exchanger for Systems with Pressurised Heat Carrier

Application

- Delivery of large volumes of industrial gas to distribution utilities to cover short supply
- Inerting of installations
- Use of thermal energy stored in ocean water, rivers, lakes or industrial waste water/cooling water to heat water in a pressurised circuit



Design Features

- compact design; small footprint relative to capacity
- superior reliability
- constant gas outlet temperature independent of throughput
- no internal ice build-up
- available in various sizes for capacities from 100 to 10.000 Nm³/h
- made from stainless steel (copper registers available on request)
- optional: process instrumentation, process control

Technical Data

media	N ₂ , O ₂ , Ar, CO ₂ , He, CH ₄ , LNG
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heat-transfer media	surface water, waste water, process water or cooling loop water
inlet temperature	heat carrier: +10°C to +80°C medium: -196°C to 0°C
outlet temperature	heat-carrier: 2°C to 10°C below heat carrier inlet temperature medium: 0°C to +25°C
max. operating pressure	heat carrier: 4 bar, higher operating pressures are possible (please inquire) medium: 25 bar or 40 bar
head loss	heat carrier: approx. 0.2 bar medium: approx. 0.5 bar
throughput	heat carrier: 100 to 250 m ³ /h medium: 100 to 10000 Nm ³ /h
connections	flange EN 1092-1
materials	1.4541, 1.4571, SF-Cu

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