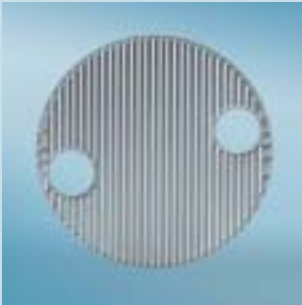


The Original Vahterus Heat Exchangers

Plate & Shell®  
Plate & Ring®



# Fully welded heat exchangers for the Chemical & Process Industries



The new generation Vahterus Heat Exchangers - Plate & Shell® and Plate & Ring® - combine the best properties of traditional PHE and Shell and Tube heat exchangers. Their durable and fully welded construction is ideal for many applications within the chemical & process industries.

Vahterus provides solutions to most heat transfer needs. We have remarkable experience with heat transfer technology and are continually investing in research & development.

High quality, consistent and reliable products are a matter of principle to us.

## Efficient & Durable

- The efficiency of PHE aligned with the durability of Shell and Tube
- Fully welded construction; no gaskets & no brazing
- Round plates & round welds for the maximum pressure and temperature shock resistance
- User friendly & service free

Plate & Shell®, Fully Welded



Space saving with Vahterus PSHE.



### Applications:

- Liquid/liquid heat exchangers
- Gas/liquid heat exchangers
- Gas/gas heat exchangers
- Condensers
- Evaporators
- Cascades

### Performance:

- Design pressure: up to 100 bar
- Design temperature: - 80 - + 400 °C
- Heat exchange area: 0.5 - 1800 m<sup>2</sup>/unit

### Materials:

- AISI 316L
- AISI 904L
- 254 SMO
- Titanium
- Hastelloy
- Nickel
- etc.

Plate & Shell®, Openable



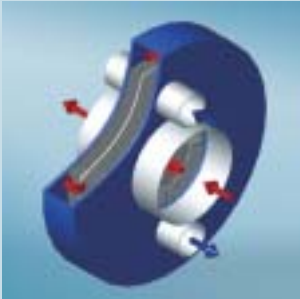
Plate & Shell®, Compact



## Safe & Reliable

- Strong tubular shell ensures maximum safety for people & environment
- Resistance to the external forces & free placement
- Proven technology & more than 13.000 units delivered
- Experience with a wide range of applications and processes
- Total quality & certified ISO 9001:2000 quality system

Plate & Ring®



## Flexible & Customer Focused

- Flexible construction enables optimal solution for every application
- Multiple plate, shell and connection sizes available
- Wide range of materials
- Minimum maintenance costs



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