Pressure Vessels (Vessel/Reactor)

Our special products with high requirements are present in several fields of food and chemical industries as well as in the energy sector. In product line there are under- and aboveground tanks, ones with simple and double walls, ones built on truck and railway wagon, as well as reactors at different pressure and temperature rates. The equipment is made by purchase order in accordance with clients' special requirements and necessarily with international and local regulations.

Design codes:

- EN 13445
- AD 2000
- ASME VIII. Div.1
- other directives and codes: PED

Acceptable general conditions of size and weight:

- diameter: 4500 mm
- length/altitude: 20 m
- weight: 60 t, bigest manufactured weight:100 t

Frequently used size of reactor:

- nominal diameter: 2000-4000 mm
- total lenght: 8500-20000 mm
- weight: 15-30 t

The maximum thickness of plate practicable to roll:
60 mm ~ at 600 mm width of sheet

Frequently used size of plate:

- 1500-2000 mm wide
- 14-40 mm thick

Classes of workable material:

- carbon steel
- low alloyed/heat resistant steel
- austenite/ferrite stainless steel
- duplex stainless steel

Frequently used quality of plate/forging/tube:
EN and materials acc. to DIN:

- carbon steel: P265GH, P355GH / P280GH, P355QH1 / P235GH, P280GH
- low alloyed/heat resistant steel: 13CrMo4-5
- austenite/ferrite stainless steel: 1.4301, 1.4404, 1.4571, 1.4541
- duplex stainless steel: 1.4410

ASME materials:

- carbon steel: SA516 Gr.60, Gr.70 / SA105, SA266 / SA106 Gr.B
- low alloyed/heat resistant steel: SA387 Gr.11 / SA182 F11 / SA335 P11
- ausztenite/ferrite stainless steel: 304, 316L, 316Ti, 321
- duplex stainless steel: S32750

Armour plating can be done at 3-15 mm thickness, materials:

- stainless ex.: 316L
- duplex ex.: S32750
- noniron-metal e.g..: N08028