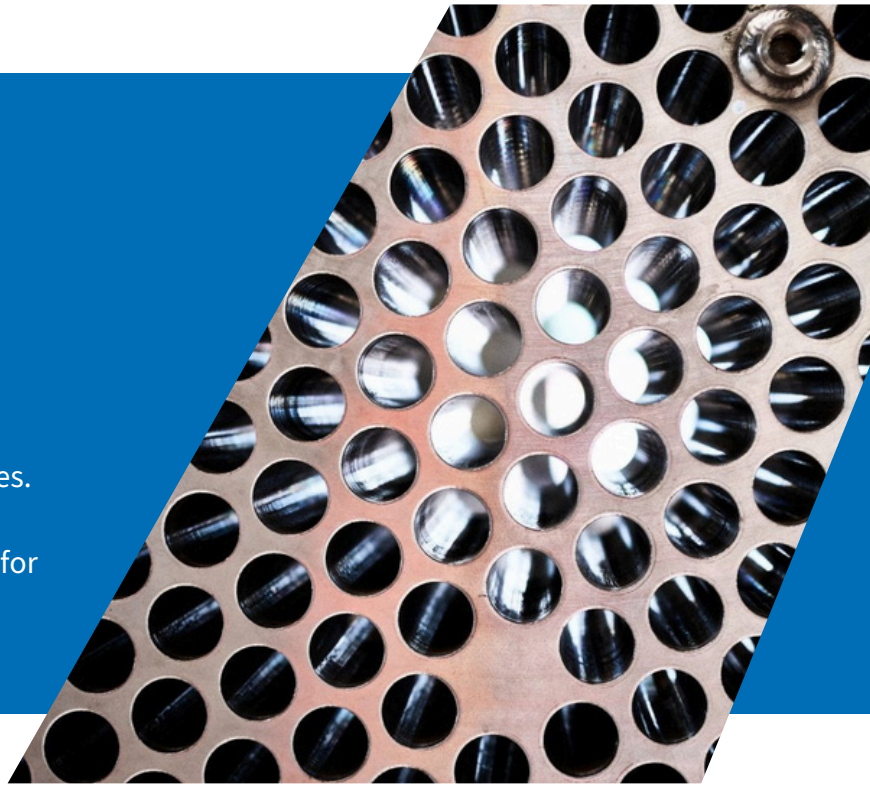


thenex and Christof SBN

High-pressure equipment & solutions

High-pressure vessels, reactors and heat exchangers for demanding industrial processes.

A focus on ammonia and urea, with solutions for refineries, chemical plants and other high-pressure applications.



Products for demanding processes

Reactors, heat exchangers and piping components for high-pressure service above 100 bar. Monowall and multilayer construction for large-scale equipment.

Applications & industries

Ammonia and urea production, hydrogenation, hydrocracking, hydrotreating, carbon capture and storage, and other chemical processes.



Monowall & Multilayer

Welded or forged shell sections and multilayer construction for high-pressure vessels.



Corrosion Protection

Weld overlay, corrosion-resistant lining and inner bore welding. Urea materials include CrNiMo 25 22 2 and SAFUREX[®] superduplex.



In Situ Services

Relining of urea reactors, retubing of heat exchangers, vessel modifications and field welding for high-pressure piping.

Contact us



+49 2871 2713 0



sales@thenex.com

Product range at a glance

High-pressure equipment for critical industrial processes

UREA

- Urea reactors and pool reactors
- High-pressure strippers and scrubbers
- Condensers and pool condensers
- Carbamate condensers
- High-pressure piping components
- Special components, including radar components

AMMONIA

- Converter shells: monowall & multilayer
- Converter internals
- Ammonia separators
- Syngas heat exchangers
- Waste heat boilers

OTHER HIGH-PRESSURE APPLICATIONS

- Vessels for hydrogenation processes
- Hydrocracker and hydrotreater vessels
- Vessels for CO₂ sequestration (CCS)
- Separators for LDPE plants
- Reactors for wet air oxidation
- Reactors for caprolactam and melamine plants
- Absorbers for gas drying



Pool condenser

Discuss your application with thenex.



Waste heat boiler

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Product list

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UREA

- Urea reactors
- Pool reactors
- High-pressure strippers
- High-pressure scrubbers
- Condensers
- Pool condensers
- Carbamate condensers
- High-pressure piping components
- Special components (radar)

AMMONIA

- Converter shells (monowall & multilayer)
- Converter internals
- Ammonia separators
- Syngas heat exchangers
- Waste heat boilers

OTHER HIGH-PRESSURE PRODUCTS

- Vessels for hydrogenation processes
- Hydrocracker vessels
- Hydrotreater vessels
- Vessels for special pressure, temperature and corrosion requirements
- Vessels for CO₂ sequestration (CCS)
- Separators for LDPE plants
- Reactors for wet air oxidation
- Reactors for caprolactam plants
- Reactors for melamine plants
- Absorbers for gas drying



Urea reactor



High-pressure stripper

Related services

Urea reactor relining and extensions, heat exchanger retubing, in situ vessel modifications and field welding of high-pressure piping.

Contact us

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