

InKorr

This product is represented in Australia, New Zealand, and PNG by:

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Contact InKorr Pty Ltd for:



Heat Exchangers

- Shell & Tube Heat Exchangers
- Gasketed Plate Heat Exchangers
- Brazed Plate Heat Exchangers
- Crossflow Welded Plate Heat Exchangers
- Plate & Shell Heat Exchangers
- Non Metallic Heat Exchangers
- Corrugated Tube Heat Exchangers
- Spiral Heat Exchangers
- Air-Cooled Heat Exchangers



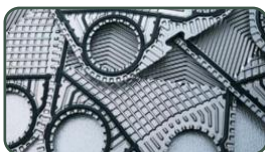
Vessels, Columns, and Equipment manufactured from:

- Exotic Alloys (Ta, Zr, Ti)
- Graphite and Silicon Carbide
- PTFE Lining



Plastic Lined Valves and Piping

- PTFE
- PVDF
- PP
- and many more!



Servicing and reburishment of heat exchangers!

- Plate cleaning
- NDE for crack testing
- Spare parts, both OEM and aftermarket



Spiral Plate Heat Exchanger Coke oven gas plants



Know How

In coke oven gas industry, fouling is an issue with traditional shell & tube and other multi channel heat exchangers. Over the last 30 years, Spiral Plate Heat Exchangers (SPHE) has become a solution provider, unique design with single channel, self cleaning and compact, the spiral plate heat exchanger reduces significantly installation, operation downtime and maintenance costs. Nexson Group SAS with global references will help you to improve your processes and reduce your costs.

Benefits

UNIQUE AND RELIABLE DESIGN

The spiral Plate Heat Exchanger (SPHE) present in various applications for almost a century, has proven to be the most efficient and reliable solution for handling fluids containing fibers and suspended particles.

SELF CLEANING

Single channel combined with turbulent flow allows self cleaning of the spiral heat exchanger. The removable covers that can be equipped with davits makes easy maintenance and inspection operations.

ENERGY SAVING

Countercurrent flow circulation makes it ~ 4 times more efficient than traditional shell & tube Heat exchanger.

COMPACT

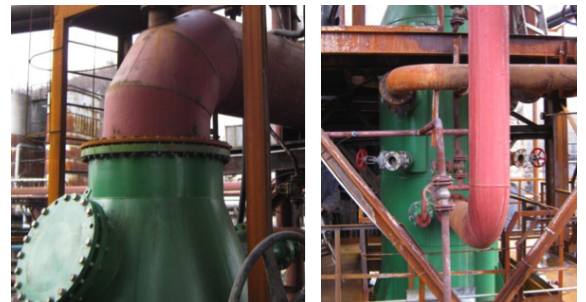
Compact shape easy to install and operate.



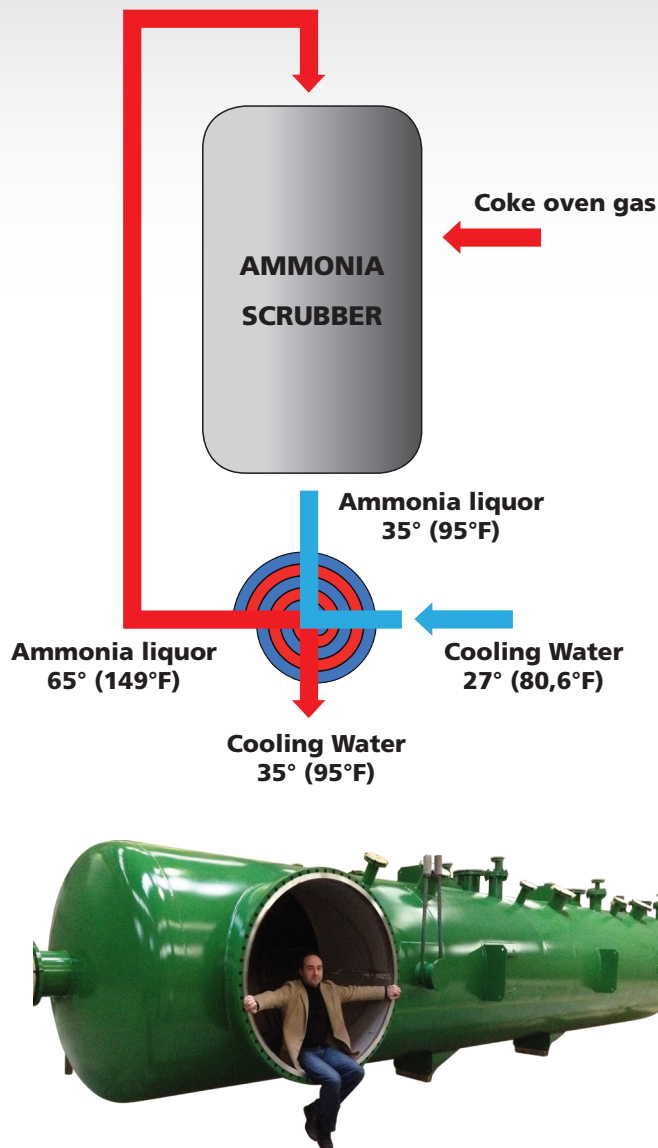
Applications

Nexson Group SAS provides a large range of Spiral Plate Heat Exchangers (SPHE), for coke oven gas plants with successful references in various applications :

- Final gas cooler
- Debenzolized oil cooler and heater
- Debenzolized oil/benzolized oil interchanger
- Benzene condenser
- Solution/solution and solution cooler
- Ammonia water cooler
- H2S gas condenser
- Reboiler
- Condensation duties



On the left : a Nexson Group reboiler installed in coke processing works. On the right : a Nexson Group final gas cooler installed in coke processing works.



Customer benefits

- > **SELF-CLEANING EFFECT**
- > **LOW MAINTENANCE COSTS**
- > **COMPACT**
- > **SUITABLE FOR FOULING FLUIDS**
- > **LOW PRESSURE DROP**
- > **EASY TO CLEAN MANUALLY**
- > **CHANNEL GAP FROM 5 TO 40 MM**

MATERIALS

P265 GH /SA516GR60
304L 316L DUPLEX SUPER DUPLEX
904L 254SMO
NICKEL ALLOYS TITANIUM

CAPACITY

Area : Up to 600 m²
Maxi Design temp : 450°C
Maxi design pressure : Full Vacuum/60 Barg

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