



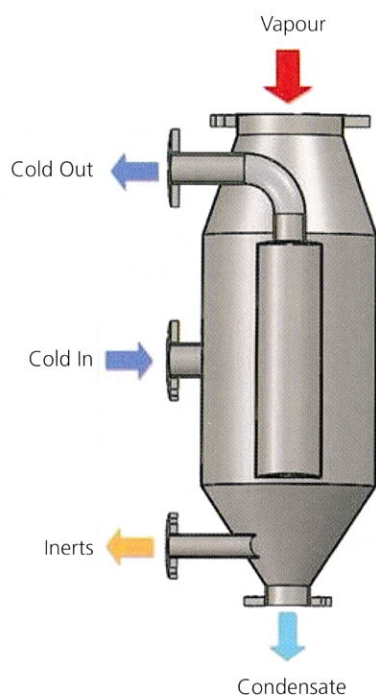
Spiral Plate Heat Exchanger (SPHE)

Standard range : 2 phases duties for vapor / gas

“Economical and short delivery time”

Nexson team : 20 years experience in designing and manufacturing Spiral Plate Heat Exchangers

Models: 1C-3C-6C-9C-15CL

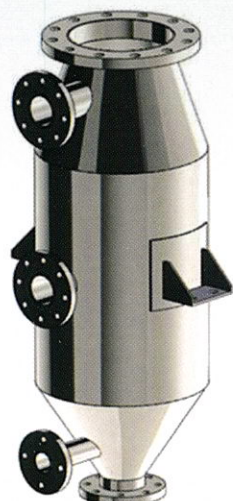


Heat Exchanger 2 phases duties. Condensing mode:

The vapor circulates, cross flow, in a fully opened channel, with negligible pressure drop and the coolant circulates in a closed spiral channel. Thanks to his versatile design, it can be directly installed on the top of a column/rector without any supporting system, reducing quite much installation cost. It is perfectly suitable for vacuum condensation with negligible pressure drop. It can be used as vent condenser.

Area M ²	Diameter	Width	Hot side connections	Cold side connections	Spacing
1	215	200	25/25	200/200	5/5
3	405	200	50/50	200/100/50	5/5
6	455	300	50/50	200/100/50	5/5
9	445	625	80/80	250/100/50	5/8
15	540	625	100/100	250/100/80	5/8

Characteristics

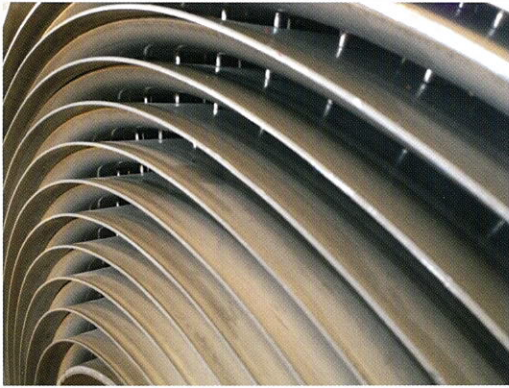


- Available in 5 models
- In stock
- The ideal solution to replace shell & tubes or existing spirals by minor adaptation

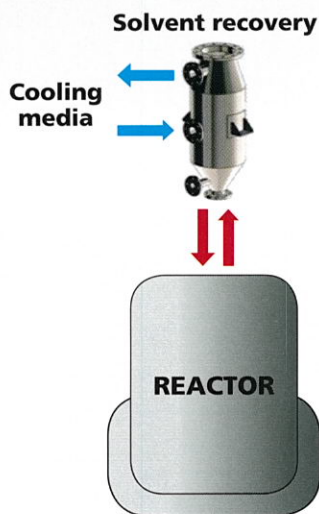
Conditions of use

Design temperature: -100°C up to 250°C
Design pressure: 6 Barg
Materials: 316 / 316L

Design code VIII div I + PED 9723 EC
Flanges: EN 1092 1 02 A
Surface treatment: pickled passivated



Customer benefits



- > **STANDARD DESIGN: ECONOMICAL & SHORT DELIVERY TIME**
- > **NEGLIGIBLE PRESSURE DROP**
- > **HIGH VAPOR FLOW**
- > **LOW MAINTENANCE COST (SELF CLEANING EFFECT)**
- > **LOW INSTALLATION COST (DIRECT COLUMN MOUNTED AND COMPACT SIZE)**
- > **LOW OPERATING COST**
- > **OPERATE ORDER DEEP VACUUM**
- > **100% STANDARD STEEL**

Applications

It is possible to use it as:

- Vacuum condenser
- Gas cooler
- Reflux condenser
- Vent condenser