



# TECNOCRYO



## COIL-WOUND HEAT EXCHANGER

### PRODUCT DESCRIPTION

Coil wound heat exchangers (CWHE), also called spiral wound heat exchangers (SWHE), were born at the origin of cryogenic industry so that we cannot imagine cryogenic vaporization without this solution. More than thousand coil-wound heat exchangers have been installed around the world for cryogenic as well as for other industry fields.

Coil-wound heat exchangers are quite compact and very reliable for different application specially when broad temperature are involved (vaporization). Its point of force remains the wide range of service pressure that don't still find any limitation since now. It is also suitable for single or multiphase flow.

### MAIN FEATURES

#### Performance data

Compatible fluids	LN2/L O2/LAr and LNG
Service pressure	Up to 500 bar and more
Temperature range	-196° / +100°C or more
Ambient temperature	-40° / +65°C
Relative humidity	Up to 100%
Service conditions	24H service no stop
Seismic code	UBC / Eurocode
Pressure code	ASME / EN
Vessel material	304/304L
Coil wound material	304L, 316L or Copper
Reliability	Thousands of hours without any maintenance

#### Certifications

- Type approved by TÜV 0984 Notify Body
- Pressure tested and certified
- Cryogenic cleaning and degreasing EN12300 and according to ELGA 33/06/E
- European Directives:
  - 2014/68/EU PED
  - 2014/34/EU ATEX
- Rules for Ships Construction (ABS, RINA, DNV, Lloyd's)
- Material compatible for Oxygen or LNG

