

SCCO2 Heat Exchange Unit "OTG.SCCO2.HeatExchangeUnit.SS316"

Introduction

The Heater/Cooler unit is a double purposed heat exchanger, designed to either heat or cool a medium.

With an integrated pipe-coil, the medium is either heated or cooled as it is transported through the coil. Inside the unit, a storage tank has been implemented in which the medium can be stored, either heated or cooled by the surrounding jacket.

The unit has a total pipe surface of 0,905 m² and length of 18 m.

OTS item number.: 9000-511, -512, 513

Version: 1.0



Features

- Made of Stainless steel 316
- Is designed to both heat or cool
- Can be used as a storage tank

Safety features

- Complies with PED 2014/68/EU
- Pressure safety valve
- Design Code: EN 13445: 2014
- EC directive 2006/42/EC (Machinery directive)

Capacity & performance

Type of fluid	CO ₂
Working fluid	Oil or coolant
Coil pressure	Max. 400 bar
Vessel pressure	Max. 100 bar
Jacket pressure	Max. 10 bar
Temperature	-80/140 °C
Max. mass flow CO ₂	400 kg/hr
Vessel storage capacity	70 L.

Weight & dimensions

Length	600 mm
Width	600 mm
Height	1420 mm
Gross Weight	270 kg
Operational Weight	342,4 kg

Espen Kähler Amundsen: _____
Managing director