

ABOUT US

Frigomec S.p.A., a company manufacturing refrigeration components, is able to supply a wide production range, resulting from the technological evolution and from an experience in this field of more than 15 years. The NEW factory located in Villa Bartolomea (VR - Italy),

including an area of 2.300 m², is equipped with the most advanced welding, brazing and painting systems which allow the production of pressure vessel and heat exchangers in the different sizes, Specialized for CO₂ (R744) applications.



- (Design code: AD Merkblatt 2000)
- The products shall meet the requirements of the ASME Boiler and Pressure Vessel Code
- Inspection and testing by third party (i.e. DNV, Lloyd's Register, TUV...) on request

We are focused on:

- Thermodynamic & Mechanical customized design
- · Finned heat exchanger tubes by Frigomec S.p.A.
- Pressure: up to 200 bar
- Temperature: from -100 °C to 300 °C
- Overall dimensions: OD 1200 x 5000 mm
- Weight: up to 3.000 kg
- Materials: carbon and stainless steel, titanium, copper and alloy

Typical pressure equipments:

- Heat exchangers
- Horizontal and vertical liquid receivers
- Suction accumulators
- Pulsation Dampers
- Sight glasses
- Oil separators
- Filters

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SEL and SED Liquid Separator

- Heat exchanger with different size and length available
- Demister separator available
- Design pressure: 120 bar Design temperature: 130°C



SPO Oil Separator

- High efficiency by latest generation coalescent technology
- Fully welded or with removable cover for filter replacement
- Design pressure: 130 bar Design temperature: 160°C
- Other options available





WVECD, WTVECD Shell & tube heat exchangers

- High efficiency internal finned tubes
- Design pressure: up to 150 bar Design temperature: 160°C
- Stainless steel version available
- Gas coolers, Evaporators, Condensers

FDR filter drier housings

- Suitable for solid core units
- Installation both horizontal and vertical
- Cover flange coated for surface protection
- Sight glass (optional) with moisture indicator
- Different connection sizes available



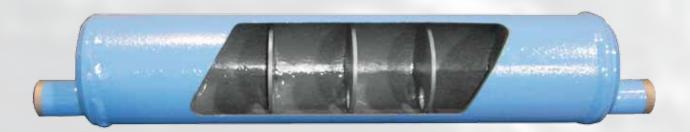
уре	Pressure (bar)	Dimensions (mm)								Connection
		D±20	d±8	Volume (L)						
				1 Core	2 Cores	3 Cores	4 Cores	a±15	a±15	DS
FDR 60	-1 / 60	200	132	222 [2,1]	365 [3,5]	508 [5,0]	651 [6,5]	145	65	1/4″-NPT
FDR 90	-1 / 90									
FDR 120	-1 / 120									





VKI, VKA, KKA coaxial heat exchangers

- High performance by finned tubes
- Stainless steel version for corrosion prevention
- Other shapes available for customized solution



PGD Pulsation Muffler

- For transcritical application
- Elevated noise reduction





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