

MAREFSOL BV
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Marine Refrigeration Solutions

Unit assembly

MAREFSOL BV has the expertise and the means to deliver complete assembled customized units .

Our possibilities range from the design and the production of the assembled units including: Compressors, heat exchangers with liquid separators, refrigerant pumps, oil drain tanks, valves, controls and its connecting piping. We are specialized in using Natural Refrigerants.

We build our units in our own workshop where we can build up to 9 meters height. With two overhead cranes we can lift 25 Tons of weight.



Good quality for a competitive price

FEATURES

- Long term experience and knowhow of Natural refrigerants;
- Complete delivery and assembly of the package;
- Complete 3D design and engineering by MAREFSUP BV;
- Delivery including P&ID, itemlists and manuals;
- Tailor made solutions to the requirements of the Customers;
- Delivery including CE-PED declaration of conformity or certification by ships classification society;



Technical information

<u>General:</u>		Remarks
Application	Shore and Offshore	
Dimensions & Capacities	Acc. Customer requirements	Tailor made solutions
<u>Design:</u>		Remarks
Thermal design Unit design / Arrangement Mechanical design Refrigeration design	MAREFSOL MAREFSOL MAREFSOL MAREFSOL	
<u>Refrigeration data:</u>		
Refrigerants	Ammonia, HFC's, CO ₂ , Propylene,	Others on request
Design temperatures	From -50 °C and higher	
Design Pressure	Up to 100 Bar	
<u>Execution:</u>		
Heat Exchanger and pressure vessel materials	Carbon Steel Titanium CuNi 90/10 CuNi 70/30 Stainless; AISI 304, 316L, 316Ti Super duplex; SAF2205, SAF2507	Others on request
Covered standards, design codes and Classification societies for unit design.	Standards and design codes CE-PED CODAP ASME BS-PD5500 AD Merkblätter	Marine Classification societies American Bureau of Shipping Bureau Veritas Det Noske Veritas Germanischer Lloyd Lloyds Register of Shipping Russian register of Shipping Registro Italiano Navale
<u>Accessories:</u>		
Stop valves	AWP or Danfoss	
Control equipment	Danfoss	
Refrigerant pumps	Hermetic	CAM or CNF
<u>Software</u>		
Unit and Heat exchanger design	Solidworks premium	
Thermal design	HTRI	
Mechanical design	Microprotol	