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Marine Refrigeration Solutions

Vertical plate freezers

MAREFSUP B.V. has extensive experience with plate freezers. The freezers have been installed in all continents as well as many fishing vessels that freeze their catch aboard. Vertical plate freezers are very effective in freezing large quantities of bulk products such as ;

- Whole fish
- Meat products
- Pet food
- Vegetables / Fruit pulp



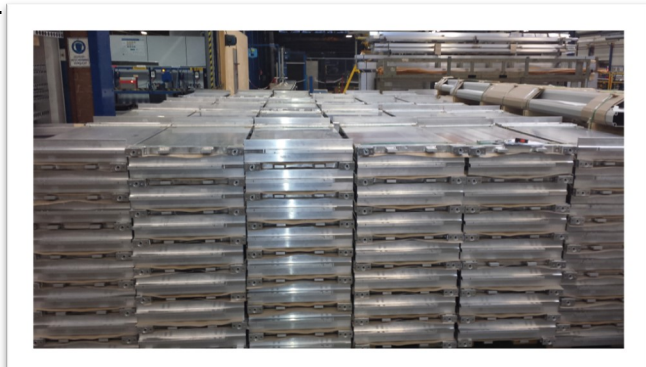
Good quality for a competitive price

REPLACEMENT PLATES FOR PLATE FREEZERS

MAREFSUP B.V is specialist when it comes to replacing plates of existing plate freezers. With the knowledge and experience of the problems that users have faced in practice, MAREFSUP B.V. has developed plates which have a higher quality (stronger and therefore longer lifetime) and better heat transfer than most current plates. Furthermore these plates can be easily fitted on all brands of plate freezers.

The plates, which are European made, can be delivered for Ammonia systems, high pressure CO2 systems and brine systems (among other). We can also supply high quality hoses for the connections.

Already thousands of plates have already been replaced without any problems (perfect fit, no leakages, good heat transfer) and with very satisfied customers.



Technical information

<u>General:</u>		Remarks
Application	Marine and shore based installations	
Plate dimensions	1070*530 & 820 x 800 mm	
<u>Product data :</u>		
Product types	Meat , fish, pet food vegetables, fruit pulp, etc,	
Block dimensions	530*530*100 mm (Standard)	Or; 782x242x65 (Russian standard)
Nr of frozen blocks	2 per station with 1 vertical block divider.	3 per station with 2 horizontal block dividers.
<u>Refrigeration data:</u>		
Refrigerants	Ammonia, R22, HFC's, CO ₂ and others on request	
Evaporating temperatures	From -50 °C and higher	
Design Pressure	27,5 Bar (Ammonia, HFC's and R22)	50 Bar (CO ₂)
Defrosting	Hot Gas	
Freezing times	Depending of product and refrigeration data	Will be specified with the offer.
Loading & unloading	Manual	Automatic on request
Lifting of the blocks	Hydraulic	
Refrigeration supply	Pump circulation	
Refrigeration load	Depending of product and refrigeration data	Will be specified with the offer
<u>Execution:</u>		
Plates	Seawater Resistant Aluminium	BS6063T, Food grade aluminium
N° of plates	100 mm Blocks; 10 - 32 stations 75 mm blocks; 10 - 38 stations 60 mm blocks; 10 - 42 stations 50 mm blocks; 10 - 42 stations	Depending of the required number of stations
Hydraulic cylinders	Stainless Steel.	AISI304
Tube material hydraulic piping	Stainless Steel.	AISI304
Block dividers	Aluminium, PTFE coated	Alternatively; HMPE
Frame	CS, Hot dipped Galvanized	
Forks	CS, Hot dipped Galvanized	Reinforced for better resistance against bending
Lining on the forks	HMPE	Alternatively Aluminium
Back plate	Stainless steel	AISI304
Nuts and bolt	Stainless steel	AISI304
Hoses.	PTFE with stainless steel braiding	
Headers and nipples	Stainless steel	
Accessories	Insulated front board, side boards and block dividers	
Options	Stainless steel frame and forks Set of spare parts for two years	
<u>Design & approval:</u>		
All freezers	CE-PED & Type approval of LR	
<u>Service & Spare parts:</u>		
By MAREFSUP B.V	Parts are kept in stock	