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Marine Refrigeration Supplies

Horizontal plate freezers

Horizontal plate freezers have been installed in all continents as well as many fishing vessels that freeze their catch aboard.

Horizontal plate freezers are generally used for freezing of high value products such as;

- Fish fillets
- Shrimps
- Prawns
- Poultry



Good quality for a competitive price

OPTIONS

- Individual refrigeration unit;
- Insulated cabinet with double doors;
- Insulated cabinet with roller curtains;
- Stainless steel structure;
- CO₂ plates;
- High pressure execution;
- Different freezer plate openings;
- Aluminium freezer trays;
- Heating element in double doors;
- Anti roll bar for Marine application;
- Hydraulic pump unit;



The freezers can be delivered with an insulated cabinet with stainless steel cladding (Standard) or without when they will be located in a conditioned processing area. The freezers can also be delivered with an individual refrigeration unit when smaller product quantities must be frozen.

Different plate dimensions are available which allows the customer to choose the optimum freezer in relation to the required block dimension that will need to be processed. Every type of plate freezer can have a different number of Freezing stations.

Technical information

General:		Remarks																																																																																																														
Application	Marine and shore based installations																																																																																																															
Product data :																																																																																																																
Product types	Meat , fish, vegetables, fruit pulp, etc,																																																																																																															
Refrigeration data:																																																																																																																
Refrigerants	Ammonia, R22, HFC's, CO ₂ and others on request																																																																																																															
Evaporating temperatures	From -50 °C and higher																																																																																																															
Defrosting	Hot gas																																																																																																															
Design Pressure	27,5 Bar (Ammonia, HFC's and R22)	50 Bar (CO ₂)																																																																																																														
Freezing times	Depending of product and refrigeration data	Will be specified with the offer.																																																																																																														
Loading & unloading	Manual	Automatic on request																																																																																																														
Opening of the plates	Hydraulic																																																																																																															
Refrigeration supply	Pump circulation																																																																																																															
Refrigeration load	Depending of product and refrigeration data	Will be specified with the offer																																																																																																														
Execution:																																																																																																																
Plates	Seawater Resistant Aluminium	BS6063T, Food grade aluminium																																																																																																														
Plate freezer type	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Type</th> <th colspan="3">Overall dimensions (mm)</th> </tr> <tr> <th>L</th> <th>W</th> <th>H</th> </tr> </thead> <tbody> <tr><td>HPV 6x1500</td><td>2400</td><td>1250</td><td>1240</td></tr> <tr><td>HPV 7x1500</td><td>2400</td><td>1250</td><td>1240</td></tr> <tr><td>HPV 8x1500</td><td>2400</td><td>1250</td><td>1760</td></tr> <tr><td>HPV 9x1500</td><td>2400</td><td>1250</td><td>1760</td></tr> <tr><td>HPV10x1500</td><td>2400</td><td>1250</td><td>1760</td></tr> <tr><td>HPV10x2000</td><td>2900</td><td>1250</td><td>1760</td></tr> <tr><td>HPV11x1500</td><td>2400</td><td>1250</td><td>1760</td></tr> <tr><td>HPV11x2000</td><td>2900</td><td>1250</td><td>1760</td></tr> <tr><td>HPV12x1500</td><td>2400</td><td>1250</td><td>2005</td></tr> <tr><td>HPV12x2000</td><td>2900</td><td>1250</td><td>2005</td></tr> <tr><td>HPV12x2500</td><td>3400</td><td>1250</td><td>2005</td></tr> <tr><td>HPV13x1500</td><td>2400</td><td>1250</td><td>2005</td></tr> </tbody> </table>	Type	Overall dimensions (mm)			L	W	H	HPV 6x1500	2400	1250	1240	HPV 7x1500	2400	1250	1240	HPV 8x1500	2400	1250	1760	HPV 9x1500	2400	1250	1760	HPV10x1500	2400	1250	1760	HPV10x2000	2900	1250	1760	HPV11x1500	2400	1250	1760	HPV11x2000	2900	1250	1760	HPV12x1500	2400	1250	2005	HPV12x2000	2900	1250	2005	HPV12x2500	3400	1250	2005	HPV13x1500	2400	1250	2005	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Type</th> <th colspan="3">Overall dimensions (mm)</th> </tr> <tr> <th>L</th> <th>W</th> <th>H</th> </tr> </thead> <tbody> <tr><td>HPV13x2000</td><td>2900</td><td>1250</td><td>2005</td></tr> <tr><td>HPV13x2500</td><td>3400</td><td>1250</td><td>2005</td></tr> <tr><td>HPV14x2000</td><td>2900</td><td>1250</td><td>2005</td></tr> <tr><td>HPV14x2500</td><td>3400</td><td>1250</td><td>2005</td></tr> <tr><td>HPV15x2000</td><td>2900</td><td>1250</td><td>2415</td></tr> <tr><td>HPV15x2500</td><td>3400</td><td>1250</td><td>2415</td></tr> <tr><td>HPV16x2000</td><td>2900</td><td>1250</td><td>2415</td></tr> <tr><td>HPV16x2500</td><td>3400</td><td>1250</td><td>2415</td></tr> <tr><td>HPV17x2500</td><td>3400</td><td>1250</td><td>2415</td></tr> <tr><td>HPV18x2500</td><td>3400</td><td>1250</td><td>2415</td></tr> <tr><td>HPV19x2500</td><td>3400</td><td>1250</td><td>2415</td></tr> <tr><td>HPV20x2500</td><td>3400</td><td>1250</td><td>2415</td></tr> </tbody> </table>	Type	Overall dimensions (mm)			L	W	H	HPV13x2000	2900	1250	2005	HPV13x2500	3400	1250	2005	HPV14x2000	2900	1250	2005	HPV14x2500	3400	1250	2005	HPV15x2000	2900	1250	2415	HPV15x2500	3400	1250	2415	HPV16x2000	2900	1250	2415	HPV16x2500	3400	1250	2415	HPV17x2500	3400	1250	2415	HPV18x2500	3400	1250	2415	HPV19x2500	3400	1250	2415	HPV20x2500	3400	1250	2415
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HPV; n x L n : nr of stations L : Plate length Plate width for all types = 1060 mm Other Plate dimensions on request																																																																																																																
Hydraulic cylinders	Stainless Steel.	AISI304																																																																																																														
Tube material hydraulic piping	Stainless Steel.	AISI304																																																																																																														
Frame	CS, Hot dipped Galvanized																																																																																																															
Nuts and bolt	Stainless steel	AISI304																																																																																																														
Hoses.	PTFE with stainless steel braiding																																																																																																															
Headers and nipples	Stainless steel	AISI304																																																																																																														
Accessories	Freezer trays Insulated cabinet with two doors Insulated cabinet with roller curtains Individual refrigeration unit																																																																																																															
Options	Stainless steel frame Set of spare parts for two years																																																																																																															
Design & approval:																																																																																																																
All freezers	CE-PED & Type approval of LR																																																																																																															
Service & Spare parts:																																																																																																																
By MAREFSUP B.V	Parts are kept in stock																																																																																																															