



Paumier Marine

CHILLED WATER UNITS

APPLICATION

Paumier manufactures tailor-made chilled water units for Marine and Industrial applications.

TECHNICAL INFORMATION (*)

Refrigerant	All H(C)FC, NH ₃ , propane
Fluid	Water (+ Glycol) +5/+11°C
Cooling capacities	20 to 500 kW
Condensation	Sea water / Air
Power supply	400VAC/3ph/50Hz

FRAME

Our frames are manufactured in steel with standard painting (RAL as per your requirements). Frames will be adjusted according to configuration required by your project (1,2,3,... compressors).

EXCHANGER (EVAPORATOR)

Chilled water production is performed thanks to a plate heat exchanger (SS316L plates) insulated (25 mm) with a cladding. Heat exchangers are designed for the following water temperature (+5/+11°C). For any specific temperature application, PAUMIER Engineering Department shall confirm your input data.

ACCESSORIES

Standard	Vibration attenuator
	Drier cartridge
	Liquid sight glass
If required	Liquid receiver
	Oil separator

REGULATION

Electrical cabinet is in charge of chiller power distribution and regulation. Motors and instrumentation are connected to electrical cabinet to avoid interface during assembly on site. If necessary, electrical cabinet can be separated from the skid.

In option, ACU can be managed by a Program Logic Controller with a Human Machine Interface to increase possibility of monitoring, and control.



INSTRUMENTATION

Our whole instrumentation is assembled on a removable board connected with a set of flexible color pipe ¼".

HP	Pressure gauge
	High pressure switch
LP	Pressure gauge,
	Low pressure switch
Water	Temperature gauge
	Temperature probe

TEST

Design pressure 8/21 bar. Each heat exchanger is leak tested with dry nitrogen and finally supplied with a nitrogen charge.

OPTIONS (*)

Frame	Stainless Steel 316L
Special motor	60Hz, 440V, 230V,...
	Frequency Inverter
	Starter
Exchanger	Tubular heat exchanger
Instrumentation	Differential pressure transmitter,
	Differential pressure gauge
	Temperature switch (freeze)
Accessories	Expansion receiver
	Chilled water pump
	Regulation valve

(*)Please confirm your needs and your alternative solutions with Paumier Engineering Department

Solutions for Refrigeration and Climatic Engineering

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