



**HANWEST PTY LTD**

SPECIALISED COMPONENTS FOR AIR CONDITIONING & REFRIGERATION

ABN 49 003 452 551



## **AQUA SYSTEMS THE BEST *MARINE* WATER COOLED CONDENSERS FOR REFRIGERATION OR AIR CONDITIONING INSTALLATIONS. COMPACT & LOW FOULING.**

**AQUA SYSTEMS “CN”** Series marine refrigerant condensers incorporate the latest in refrigerant heat exchanger technology. The compact size and the high level of heat exchange efficiency are achieved by the Aqua Systems unique heat exchange tube geometry.

The enhanced surface of the cupro nickel tube provides surface extension of 3.7 times that of smooth tubing. The conical, co-axial design of the water coils and the internal rifling ensures that water turbulence is maintained even at low water flow rates.

Low Fouling due to the elimination of low velocity spots and the allowable increase in leaving water temperature reduces spot scaling and inhibits fouling due to molluscs.

Features which make the Aqua Systems the best ***MARINE*** condenser choice are as follows:

- 1) Close approach temperature between the Refrigerant Condensing Temperature and the Leaving Water Temperature reduces the volume of condenser water to be circulated. Reduces size of condenser water pipes and circulating pumps.
- 2) Efficient Liquid Refrigerant Sub Cooling as the leaving liquid is sub cooled by the entering water due to the counterflow design enhancing system efficiency.
- 3) Drainable water tubes due to the spiral design, allows easy draining of the water tubes for freeze cleaning.
- 4) Freeze cleaning of the water tubes after draining allows rapid condenser cleaning with minimum down time and no mess. Condenser can be cleaned in under 1 Hour.
- 5) **NO** oil trapping as a result of the close tolerances in the refrigerant path.
- 6) Vertical design assures constant liquid output even in rough seas.
- 7) Low water side pressure drops reduces pump size and operating costs.
- 8) Continuous water coils with no internal joins or troublesome tube plates.
- 9) Compact size convenient cylindrical shape is easy to install.
- 10) Comply with Australian Standard 2971-1987 Serially Produced Pressure Vessels. UL® Approval for international or marine applications.

All models available EX STOCK to meet those urgent orders or repairs.