

AQUA SYSTEMS MULTIPLE WATER / WATER HEAT EXCHANGERS

For applications where a clean fresh water circuit is to be cooled by contaminated or sea water the low fouling benefits of the Aqua Systems heat exchangers is ahead of all others. The unique tube geometry maintains a constant velocity across the internal surface of the primary water tubes along with continuous turbulence reduces fouling while maintaining high heat exchange efficiency.

Aqua Systems "CN" series Heat exchangers are suitable for water to water applications where the primary cooling water is sea water, bore water or a fluid with some contaminants and the secondary water to be cooled is clean fresh process water. Some of the applications that the "CN" series heat exchangers have been used for are:

Shipboard applications for cooling fresh water for the main air conditioning condensers.

Construction site condenser water cooling for temporary air conditioning chillers.



The heat exchanger manifolds are arranged to provide counter flow between the primary and secondary fluid circuits and reverse return to maintain balance pressure drop across the heat exchangers.



Primary water manifolds are fabricated from 90/10 cupro nickel tube. The secondary fresh water manifolds are fabricated from copper tube. The heat exchangers are mounted on a fabricated steel base. Lifting points are located on the top of the heat exchanger assembly.

