

COOLING WATER SYSTEMS

COOLING WATER PROBLEMS WITH "FREE"

?? RIVER WATER, POND WATER, OCEAN WATER, ??
?? TREATED TOWER WATER OR EVEN CITY WATER. ??

MANY TYPES OF COOLING WATER CAN CAUSE CONTAMINATION AND
EVENTUAL FAILURE IN PROCESS COOLING JACKETS AND HEAT EXCHANGERS.

THE SOLUTION

An intermediate stainless steel plate and frame, closed cooling system. This fully assembled unit contains heat exchanger(s), glycol pump(s), complete with motor starter(s), gauges and valves. The pump circulates a propylene glycol/water solution to the heat load. The return fluid is cooled in the plate and frame heat exchanger using the existing water. Close approach heat exchangers allow the cooling solution to be within 5°F of the cooling water temperature.

I.E. 90°F glycol fluid temperature to an air compressor, with a typical returning temperature of 110°F, (based on 85°F supply water). If required, supply water pumps are available in the same configuration as above.

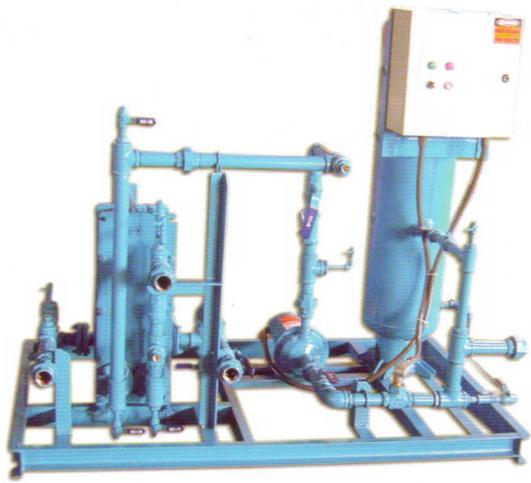
THE ADVANTAGES

The plate and frame heat exchanger has controlled fluid velocity, reducing deposits of suspended solids. Cooling water flow is top to bottom creating a flushing action. Process cooling is with a closed water/glycol solution, eliminating all scale potential. Also, no free oxygen is available for pitting and corrosion. Eliminate fouled coolers that can cause high temperatures and increase power cost.

Optional duplex heat exchangers and duplex pumps are available complete with isolation valves, automatic pump switch over, pump failure alarms. With duplex heat exchangers, the system allows cleaning of one unit while the other is in operation. Other plate materials are available for sea or harsh water.

THERMAL PRECISION

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SIMPLEX SIMPLEX
 (Single Pump - Single Heat Exchanger)



DUPLEX DUPLEX
 (Two Pumps - Two Heat Exchangers)

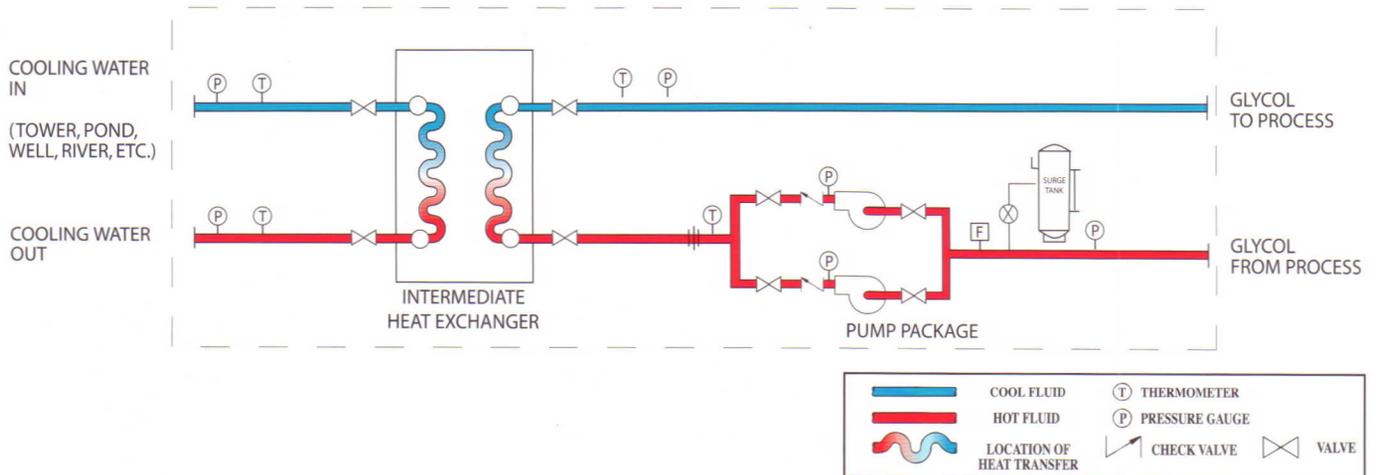


DUPLEX DUPLEX - FRAME MOUNTED PUMP
 (Two Pumps - Two Heat Exchangers)



SIMPLEX DUPLEX
 (Two Pumps - Single Heat Exchanger)

THE "CWS" PACKAGE



Why Consider Thermal Precision?

We Cool It And Guarantee It

CALL YOUR LOCAL DISTRIBUTOR FOR A FREE SYSTEM ANALYSIS.