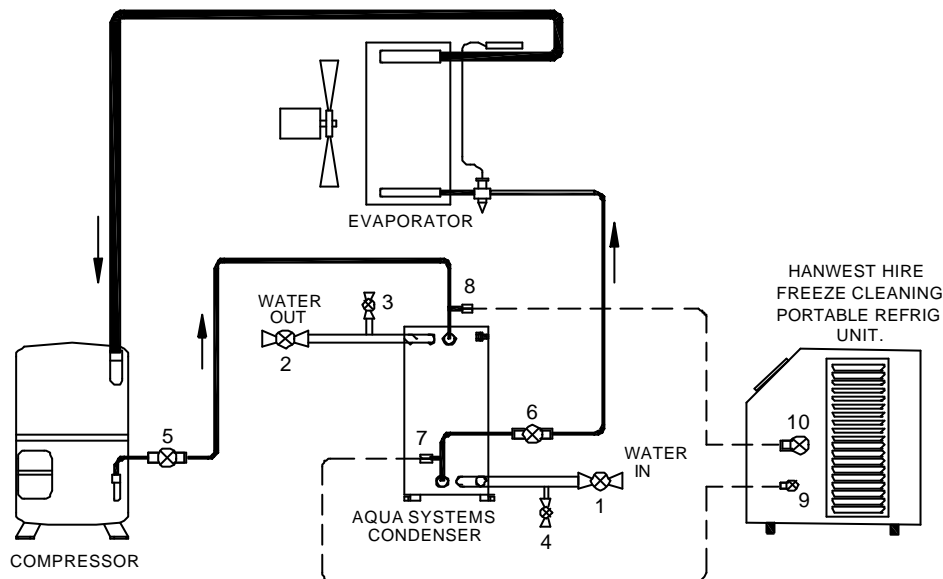




AQUA SYSTEMS WATER COOLED CONDENSERS FOR FRESH WATER OR MARINE SALT WATER APPLICATIONS CAN BE FREEZE CLEANED SHOULD FOULING OCCUR.

Figure 1 in the following, indicates a typical refrigeration or air conditioning system which has been installed to allow Freeze Cleaning of the condenser to remove scale or growth from the water tubes. The system has been fitted with the necessary service valves to allow the condenser to be isolated from the refrigeration system and the condenser water supply shut down and the condenser water drained from the condenser. The Aqua Systems condenser has been fitted with the optional valves to allow the connection of a portable Freeze Cleaning unit.



FOLLOWING IS THE AQUA SYSTEMS FREEZE CLEANING METHOD:

1. Turn power off to compressor.
2. Close condenser water inlet valve (1) & outlet valve (2).
3. Open condenser water vent valve (3) & drain valve (4).
4. **All water must be thoroughly drained from condenser before starting freeze cleaning or damage to the water tubes will result.**
5. Close compressor discharge valve (5) & liquid line valve (6).
6. Connect liquid line from freeze clean unit to access valve (7) and suction line from freeze clean unit to service valve (8).
7. Run freeze clean unit until suction pressure is below 140 kPa.
8. Switch off freeze clean unit and let pressures equalise.
9. Disconnect freeze clean unit.
10. Open water supply valve and flush through drain until water is clear. Close drain and vent valves and open all system valves for normal system operation.