Flexible and Efficient Refrigeration: Waterloop System

Secondary cooling systems, also known as “Waterloop” systems, are one of the world’s most widely used refrigeration solutions – in food retailing, IT, process and machine cooling, as well as in the energy, and the heating, ventilation and air conditioning (HVAC) sectors. The basic principle of a “Waterloop” is to separate refrigeration from the removal of heat. This creates two circuits or loops – the primary circuit or loop with refrigerant and the secondary circuit or loop with water or water/glycol.

In the “Waterloop” system, the refrigeration cycle is limited to self-contained refrigerators that transfer their heat to the water circulation system. A compact all-in-one unit comprising a drycooler and a pump station ensures the smooth operation of the “Waterloop” or the secondary circuit. With its individual connection and ready-to-use devices, the “Waterloop” system becomes a simple and manageable solution and thus a cost-effective alternative to conventional cooling systems.

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