



Central Cooling System

Simple Solution



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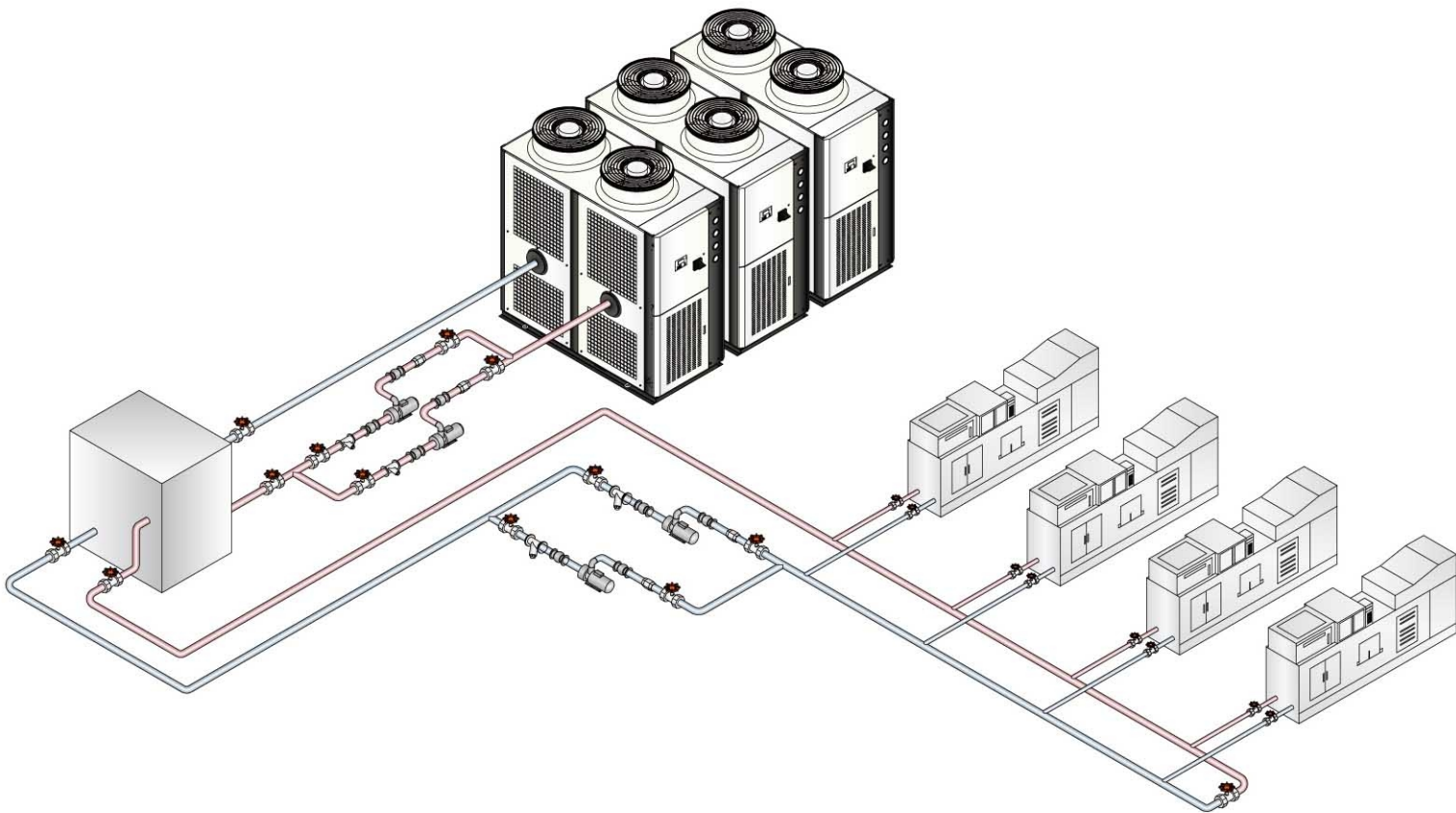
The central cooling water system is suitable for cooling, maintaining constant temperature and other fields in industrial refrigeration. It adopts centralized control and double-stage cooling, combining parts with the whole and saving energy plus flexibly occupying space. All of these factors render system as the indispensable equipment for improving production efficiency and quality in modern industry.

Features

- Centralized cooling
- Centralized control
- Centralized conveying of chilled water
- Intelligent cooling and energy-saving
- Flexible use of space

Application

- Cooling of plastic molding mould
- Cooling of various machine lubricants, coolants
- Beverage cooling
- Rapid prototyping of die-casting molds



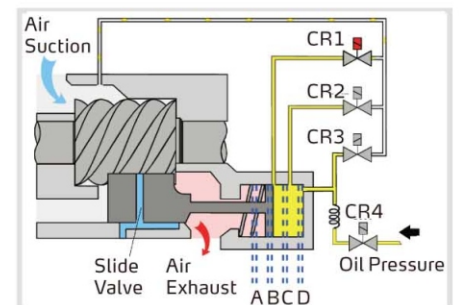
Central Cooling System

Water-cooled Central Water Chillers SICC-W



SICC-W series central water-cooled chillers adopt German-made BITZER with twin screw compressors, models with one or two compressors, suitable for using R22 and R134a refrigerants. High efficiency condenser and evaporator have been manufactured under national "BR1" standard. Featuring stable heat exchange and ease of maintenance, advanced controller with built-in microprocessor which gives better performance than single chip based unit.

- German-made twin screw compressor with longer service life.
- Multilevel compressor output capacity adjusting function are designed to save power.
- Evaporator and condenser built strictly according to national standards.
- Extendibility of the controller makes upgrade of both hardware and software much easier.
- "Watchdog" technology makes microprocessor able to automatically diagnose and solve the problems.
- 512K memory for programs and 128K off-power data storage.
- Based on serial number, frequency and time of faults, the causes can be analyzed via both query and statistics functions to do the improvements.
- Able to monitor the setting of actual temp. and display temp. trend in hours or daily.
- Remote control function turns on/off the machine according to preset timer, daily maximum setting of start/stop is there.



Stepless Adjustment Function

01/08/2005		Saturday		11:09:55	
Water CW		Out °C	In °C		
		7	12		
World mode : Cool					
R/S Mode : Manu					
Week Time : effi					
Ctrl Out : 12°C					
Anti-CL : 4°C					
Query Err		RUN		STOP	
Unit Sta: Machine is idle					
User set	Query sta	History	Guide		

Monitor Screen

■ Air-cooled Central Water Chillers SICC-A



SICC-A series air-cooled central chillers utilize hermetic scroll compressor as main body, thus having excellent technical characteristics, and are suitable for various cooling media, such as R22 and R407. The European-made motor of the fans offer high efficiency and water-proof. The condenser adopts magnesium and aluminum alloy fans with strong rigidity, air pressure and flow resistance. It is also controlled by advanced microcomputer controller which has greater function and better performance than the single chip based unit in the industrial chilling.

- Modularized design makes it easier to combine module units 1 to 15. Cooling capacity can be enlarged by increasing the number of modules or choose appropriate modules to connect to existing system.
- The water route of the modules can be linked via linking one module to the inlet/outlet water tube. No need to install the inlet/outlet water tube for each module. The soft rubber tube is used to connect the modules, thus it is very convenient to construct.
- Adopts imported components like scroll compressor, expansion valve which ensure stable performance. The whole unit will not stop due to one module failure.
- When the whole unit is running, the microcomputer will auto adjust the performance of each module or open / shut respective module unit according to system load. The module unit adopts double compressors and its power adjustable range is enlarged after combination to save up power whenever possible.
- Wired control system enables the main unit and its controller to be separated from each other.
- Optional RS485 communication realizes the remote monitoring and network function.

■ Accessory Options

- Pump
- Water Tank
- Electronic Hydrotreater
- Flow Control Valve
- Globe Valve
- Flowmeter
- Pressure Sensor

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