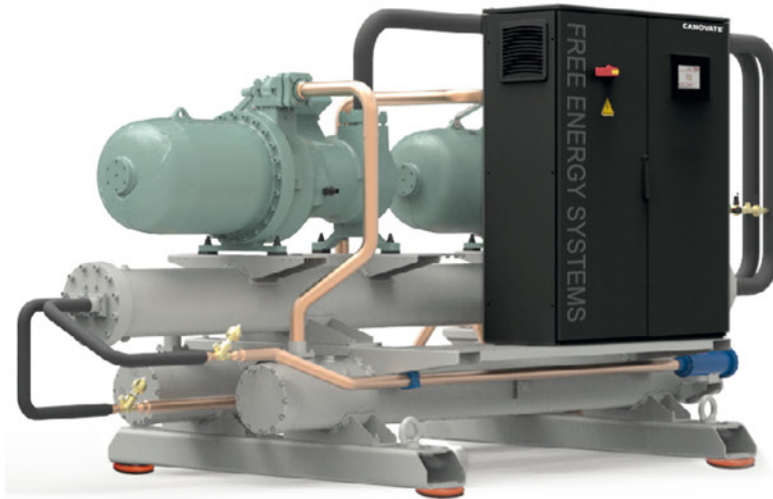


Water-Cooled Chiller



High Energy efficiency and logical solution for IT and building air conditioning

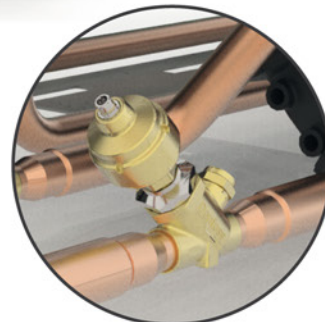
Water-cooled chiller series have been specially developed to combine high performance with compact dimensions. All units of Canovate product series use R134a and R407c refrigerant, which has hardly any effect on the environment and does not damage the ozone layer. In addition, it has lower global warming potential than conventional refrigerants.

Installation

Canovate chiller was designed for installation in interior spaces. The electronic components within the switch cabinet are protected in accordance with protection type IP54. The chillers can be operated with dry coolers (high-temperature) in the same way as with cooling towers (medium temperature) and well water (low-temperature).



The compressors are the only source of noise Canovate Chillers are available as low noise versions with special noise insulation. Depending on operating conditions, in the low noise version the noise level of the chiller can be reduced by up to 10dB.



Electronic expansion valve

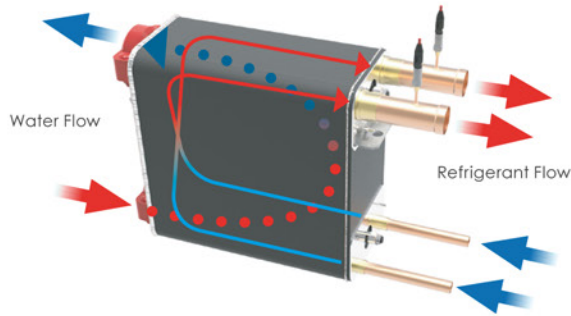
Evaporation of the refrigerant is precisely controlled by finely-regulated expansion valves. Controller to optimize heat exchange between the refrigerant and chilled water in the evaporator.

Evaporator

Brazed plate heat exchanger

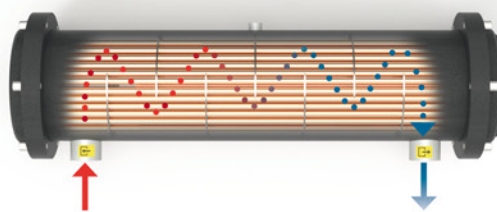
Exchanger with brazed plates comprises stainless steel plates and copper solder joints. Externally, it is fully jacketed with special thermal insulation.

There is a dual refrigerant circuit and a single water circuit, arranged in accordance with the counterflow principle. This means that it is possible to maximize the heat exchange between the refrigerant and chilled water. Integrated differential pressure monitors and anti-frost sensors protect the evaporator from the possibility of freezing.



Brazed plate heat exchanger

The shell and tube evaporator comprises copper pipes and a steel outer jacket. The evaporator comprises two completely separate refrigerant circuits and a chilled water circuit that are arranged in accordance with the counterflow principle.



Technical Data



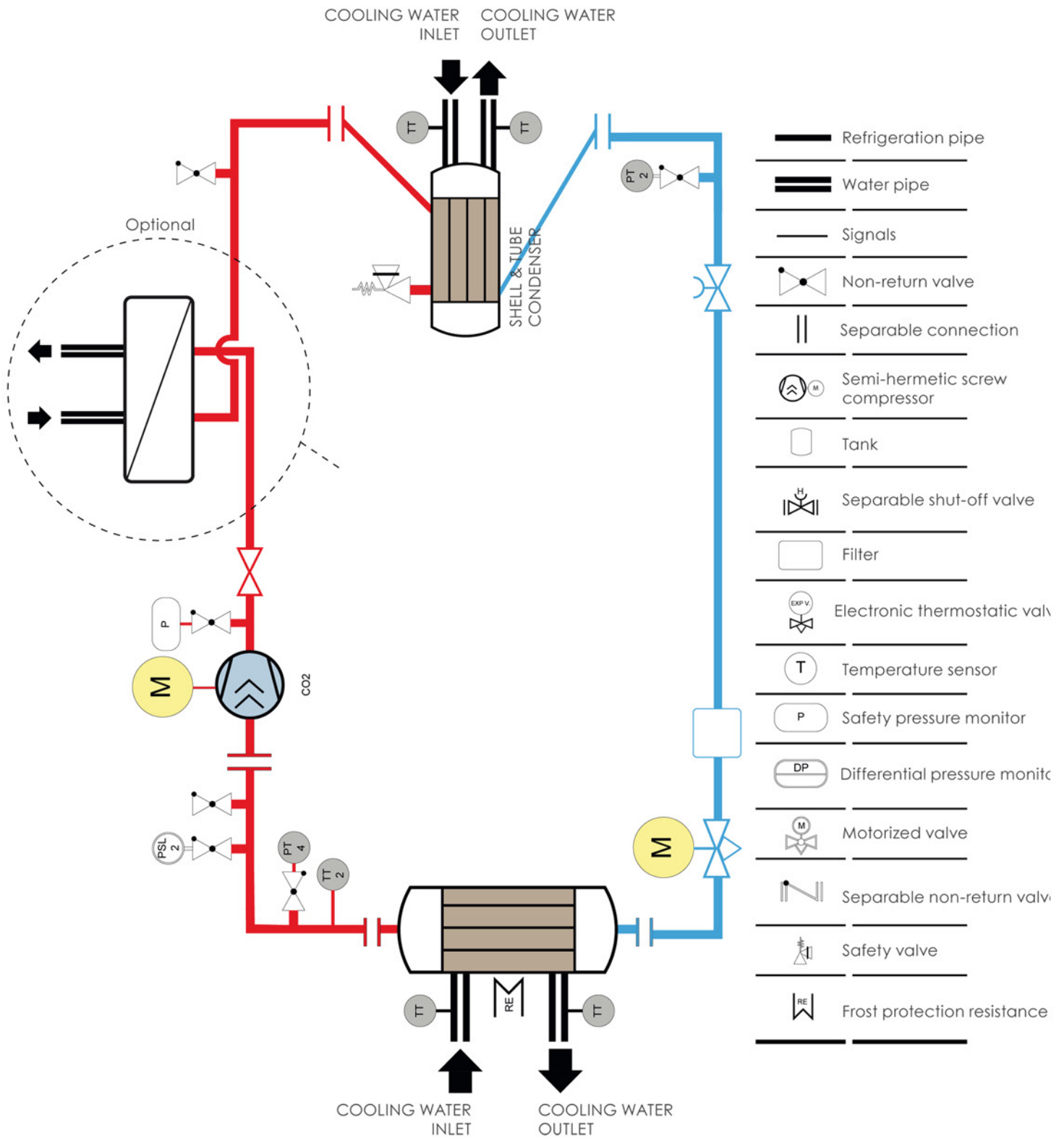
Power Rating

WSW		150	250	400	500	650
Cooling Capacity	kW	150	250	400	500	650
Power Consumption	kW	29	47	75	95	124
EER		5,18	5,32	5,34	5,27	5,24
ESEER(ISO 14511)		7,32	7,32	7,10	7,22	7,10
Sound Power Level	dB(A)	87,5	87,5	88	88	88

Dimensions/Weight

Height	mm	1600	1800	1800	1900	2000
Width	mm	1300	1300	1300	1600	1600
Length	mm	2500	2500	3500	4500	4800

Single Compressor Cooling System



Single Compressor Cooling System

