

P200 series chiller

Water-water chiller



Model MA		P201	P202	P203	P205	P208	P210	P215	P220
Cooling power	kW	1	2	3	5	8	10	15	20
Primary water temperature	°C	15					10	5	
Temperature stability	K	+/-0.1							
Weight	kg	38	42		45		50	75	
Coolant water outlet	°C	10 – 35							
Ambient	°C	15 – 40							
Transportation & storage	°C	5 – 65							
Water filter (externally mounted)		F20		F20 or 5“					
Filter grade		Various filters available							
Coolant water		2 x G ½“ Internal Thread						2 x G ¾ Internal Thread	
Primary water		2 x G ½“ Internal Thread						2 x G ¾ Internal Thread	
Tank volume	l	2			3		3.5	10	
Water level indication		Optical water level display on front panel							
Default point	l/min	2	2.5				10		
Voltage	V AC	230 V AC +/- 10%, others available							
Current	A	< 5 A						< 8.5 A	
Line frequency	Hz	50 or 60							

Efficient cooling solution with a compact design

Reliable, precise and efficient cooling: the compact P200 system with its central water circuit is a proven solution for numerous applications. A stainless steel plate heat exchanger is integrated between the cold water circuit towards the connected devices (secondary circuit) and the central cooling water circuit (primary circuit). The P200 maintains a temperature difference of 3-5 °C minimum between the two circuits.

The temperature is controlled automatically by way of a motor-driven proportional control valve. It controls the water flow into the primary circuit as a function of the tank temperature, thereby ensuring low water consumption. During operation, the cooling water temperature remains constant with only minimum deviations. The P200 is particularly energy efficient due to the automatic adaptation of the refrigeration capacity to the load requirements (between 1 kW and 20 kW). However, the P200 is also highly flexible in terms of its design: the system is alternatively available as a desktop unit.

Advantages at a glance:

- Compact 19" plug-in unit with a high component density
- High temperature stability
- Various options possible
- High level of process reliability
- Low maintenance requirements
- High level of energy efficiency

Equipment

- Temperature stabilisation system
- Water control valve
- RS 232 interface
- Remote start via a 24 V DC signal
- 50 Hz or 60 Hz version
- Further options include a cooling water conductivity measurement system, a heater, an additional temperature sensor in the return flow, or additional motors and pumps
- 4 RU or higher

