

FCCWD011-7402



Model		FCCWD011-7402		
Channel		CH1	CH2	
Cooling method		Vapor compression refrigeration		
Radiating method		Water-cooled		
Control method		PID		
Ambient temperature/humidity		5°C-40°C, 35-70%RH		
Temperature range		-20°C~+80°C		
Performance	Cooling capacity ※1	Ambient temperature25°C, Set temperature-10°C	2.2kw	2.2kw
		Ambient temperature25°C, Set temperature20°C	4kw	4kw
	Heating capacity		3kw	3kw
	Refrigerant		R410a	
Temperature stability ※2		±0.1°C		
Main components	Compressor	Type	Rotary type	
		Power	2kw	2kw
	Condenser	Type	Plate heat exchanger	
		Material	SUS316	
	Throttling device		Electronic expansion valve	
	Evaporator	Type	Plate heat exchanger	
		Material	SUS316	
	Water tank volume		12L	
Pump	Type	Magnetic drive pump		
	Power	1.5±10% kw	1.5±10% kw	
	Flow rate(outlet) ※3	25L/min	25L/min	
	Lift(outlet)	50m	50m	
Circulating fluid system	Type	Electronic fluorinated solution/15% ethylene glycol liquid		
	Wetted parts material	SUS304		
	Inlet/outlet port size	G1" female thread		
	Drain port size	G1/2" female thread		
Facility water system	Temperature range	5.0°C-25°C		
	Pressure range	0.3MPa-0.7MPa		
	Required flow rate	25L/min		
	Fluid contact material	SUS304		
	Port size	G1" female thread		
Electrical system	Power supply ※4	208VAC±10% 50Hz 3-phase		
	Rated current ※5	42A		
	Rated power ※5	11.5kw		
	Breaker	50A		
Overall dimensions ※6		W:460*D:900*H:1512mm		
Weight		300kg		
Noise ※7		64dB		
Special requirements		/		

※1 ① Ambient temperature: 25°C, ② Circulating fluid temperature: -10/20°C, ③ Circulating fluid at the rated flow, ④ Circulating fluid: Electronic fluorinated solution 3M 3283, ⑤ Facility water temperature: 25°C;

※2 Temperature at the thermo-chiller outlet when the circulating fluid flow is at the rated flow and the circulating fluid outlet and return port are directly connected; The installation environment and power supply are within the specification range and stable ;

※3 The required flow rate when the cooling capacity load is applied at a circulating fluid temperature of 20°C, and circulating fluid rated flow and facility water temperature of 25°C;

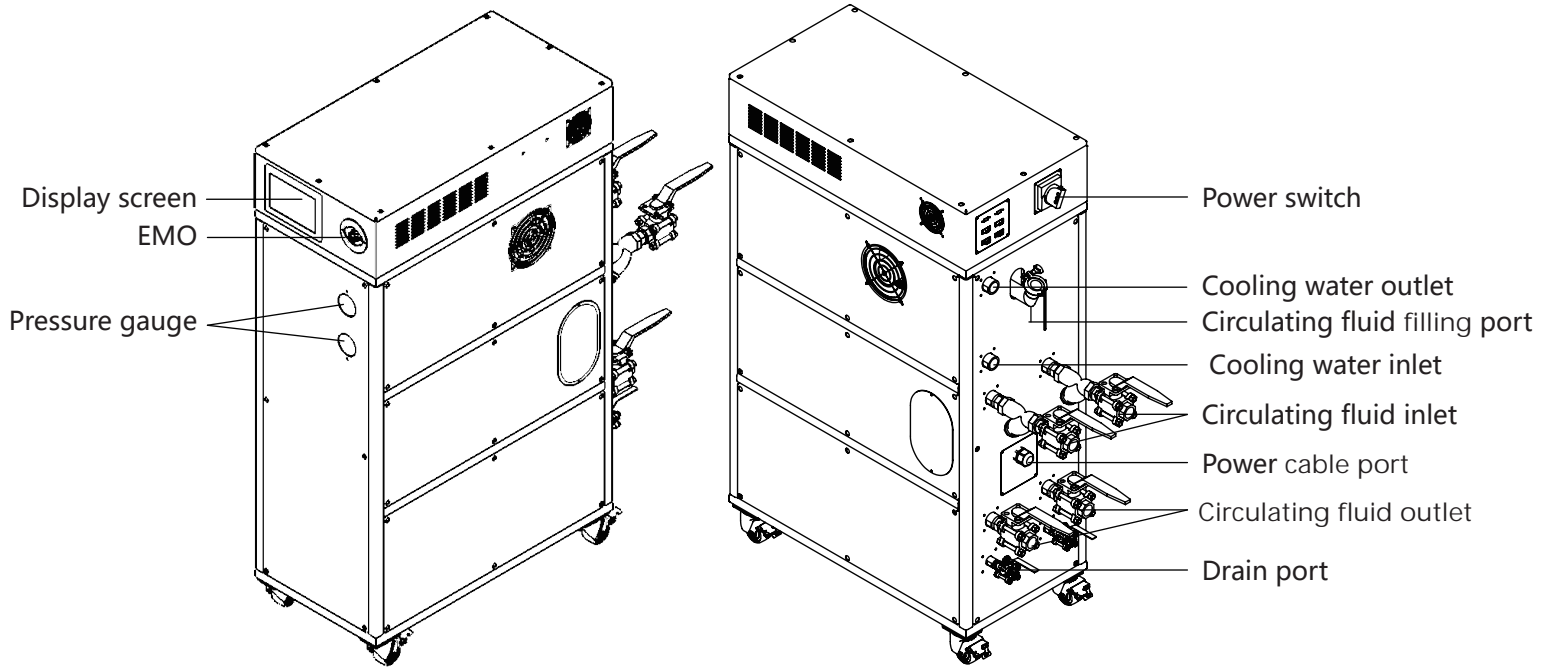
※4 No continuous voltage fluctuation ;

※5 ① Ambient temperature: 25°C, ② Circulating fluid temperature: 20°C;

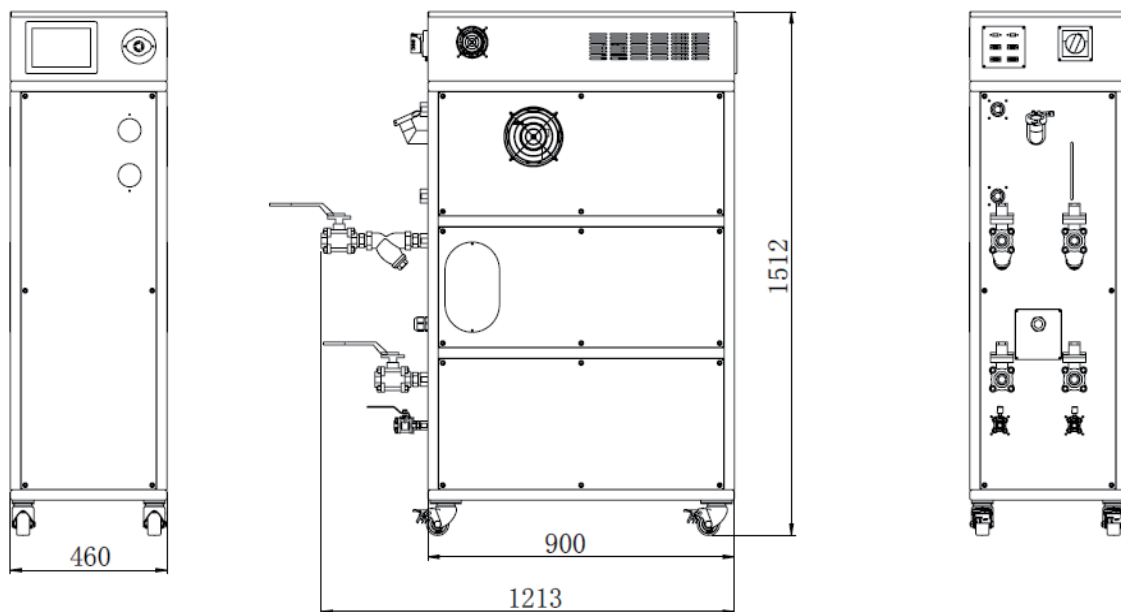
※6 Excluding protruding joint size;

※7 Front 1m, height 1m, stable without load.

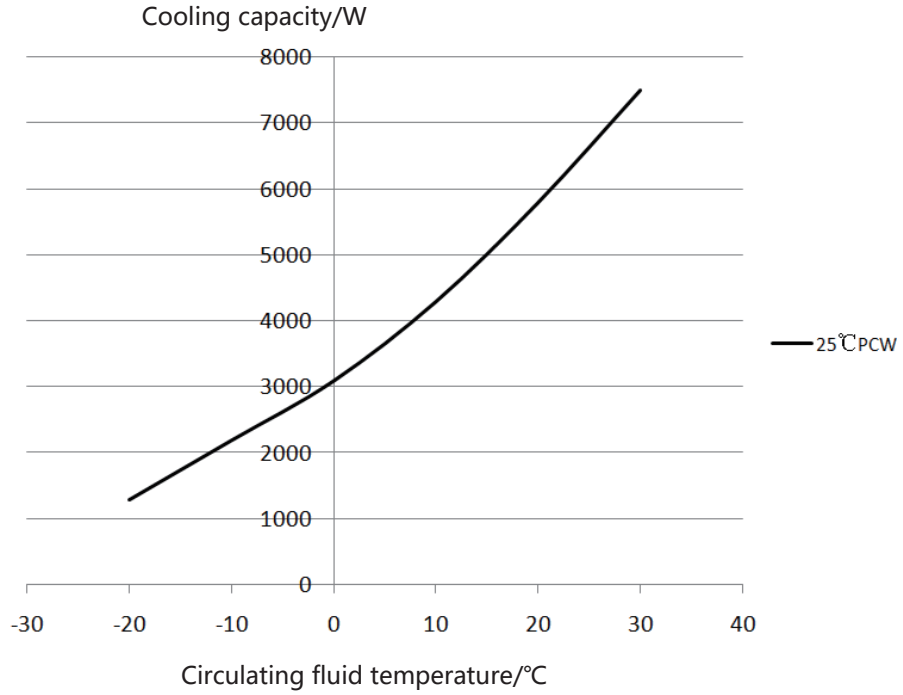
Parts introduction



Dimensions



Performance curve



Cooling performance

