



## Direct heat exchange-Type Chiller

	Model	FCEW20221-6101
	Cooling mode	Water-cooled
	Control mode	PID control
	Ambient temperature/humidity※1	10~35℃, 30~70%RH
Circulating fluid system	Circulating fluid※2	Water, 60% ethylene glycol aqueous solution
	Temperature range setting	20~90℃
	Cooling capacity※3	2KW
	Heating capacity	1KW
	Temperature stability※4	± 0.3℃
	Pump capacity※5	0.4Mpa (4L/min)
	Tank capacity	Approx. 15 L
	Port size	Rc3/4
	Wetted parts material	Stainless steel 304, EPDM, HDPE, PP, VMQ
Facility water system	Tempature range	10~35℃
	Required flow rate※6	10L/min
	Inlet pressure range	0.3~0.7Mpa
	Port size	Rc3/4
	Wetted parts material	Stainless steel 304, EPDM, HDPE, PP, VMQ, Bronze
Electrical system	Power supply	3-phase 200/208 VAC, 50 Hz
	Max.operating current	21A
	Breaker capacity	25A
	Communications	Serial RS-485(D-sub 9 pin)
	Dimensions※7	W380 x D690 x H830
	Weight	Approx. 90kg

※ 1.No condensation should be present.

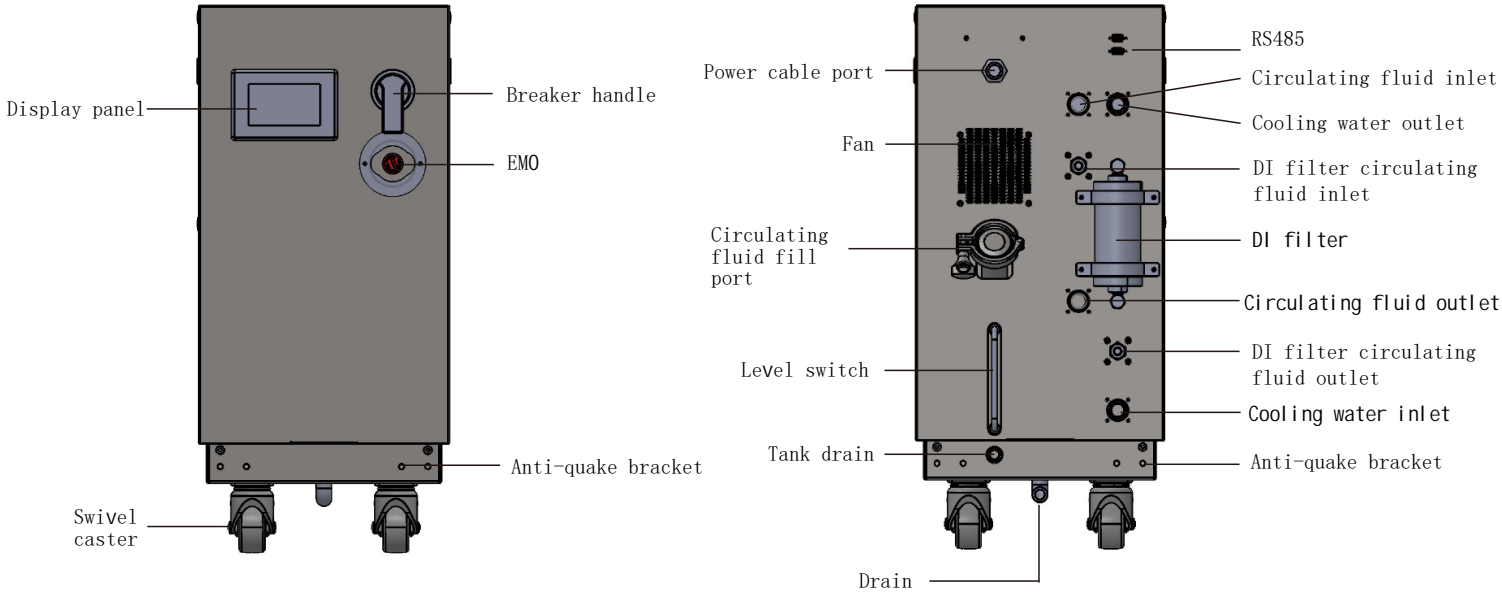
※ 2.Dilute pure ethylene glycol with tap water. Additives invading fluid contact material such as preservatives cannot be used.

※ 3.①Circulating fluid temperature=Cooling water temperature+15℃;②Cooling water temperature range:10~35℃;③Circulating fluid flow rate:30L/min;④Cooling water flow rate:25L/min.

- ※ 4. Temperature at the thermo-chiller outlet when the circulating fluid and facility water are at the rated flow and the circulating fluid outlet and return port are directly connected.  
The installation environment, power supply, and facility water are within the specification range and stable.  
Value obtained 10 minutes after the external load is stabilized. It may be out of this range when a DI control kit (option Y) is used or in some other operating conditions.
- ※ 5. The capacity at the circulating fluid outlet when the circulating fluid temperature is 25°C.
- ※ 6. The flow rate required to achieve the cooling capacity and temperature stability described above.
- ※ 7. Panel dimensions. These dimensions do not include possible protrusions such as a breaker handle.

## Direct heat exchange-Type Chiller

### Parts Description



### Parts Description

