

Coolpump CP-80R/150R

The line-up of chiller for open circuit can be chosen according to the required capacity and temperature control accuracy. Closed circuit is also available as an option.



CP-80R

CP-150R

[CP / CL series] For open circuit machine use for circulate mainly to water bath.

Circulation system for open circuit is used mainly for preparing constant temperature chamber. It is optimum for control temperature of sample.



Features

- For open circuit machine use for circulate mainly to water bath.
- Closed circuit is also available as an option.

Main Applications

- Circulation into temperature control water bath for inspection samples.
- Temperature control for culturing apparatus and analytical instruments is available as an option.

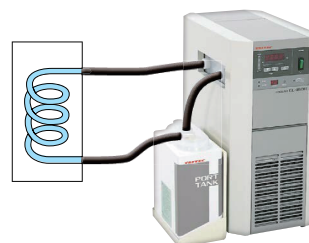
USER'S VOICE

I often see this circulator at research institutes of brewing. TAITEC chiller can be used safely due to its reliability and long history of achievements.



[CP / CL series] Closed circuit is also available as an option.

Use optional port tank and the thermal insulation water tank for circulation into scientific instrument (closed circuit circulation). Even for objects with high piping resistance such as rotary evaporators, circulation can be easily started with the built-in priming pump.



Model	CP-80R	CP-150R
Temperature range	-10°C- Room temp.	
Control accuracy	±1.5 - 2.0°C (*1)	
Cooling capacity (*2)	approx. 140W	approx. 270W
Compressor (air cooled-type) output, Refrigerant	75W, R134a	150W, R134a
Pumping capacity (50/60Hz)	Max. flow rate	approx. 7/8 L/min
	Max. lift height	approx. 2/2.8 m
Heater	—	
Nozzle diameter	Outer diameter φ13mm	
Safety device/function	Short/Over current breaker, Freezer protection circuit (1: auto stop at 40°C of circulating fluid, 2: timer ON-OFF cycle 3min), Real flow monitor (buzzer and LED display)	
Other Functions	Digital flow display, Sensor disconnection/Short circuit self-diagnosis	
Dimensions	230×395×455Hmm	250×425×525Hmm
Weight	approx. 26kg	approx. 34kg
Power Supply (*3)	AC100V·2.8A	AC100V·4.5A
Standard Accessory	Heat insulating hose for circulation (1m) x 2, Hose band x 2	

(*1) There may be a case where this value cannot be kept because of freezer protection timer depend on heat load.

(*2) When circulating fluid is +10°C, 50Hz.

(*3) Allowance of voltage variation is ±5% for AC 100V.

• Environmental temperature for this product is +5°C - +30°C. When using at above +30°C, cooling capacity may reduce. Lid of water bath may needed depend on bath shape and setting temperature.

• Please do not use pure water or distilled water. These may cause breakdown of machine.

• Please use heating medium when setting below +7°C.