

Recirculating Chiller

Temperature control, incubation, material testing, corrosion testing, cell culture, tissue research, rotary evaporator or orbital agitation at variable speeds to affect the growth of cell cultures.

Features

- P.I.D temperature controller provides accurate and reliable temperature control.
- Large LCD display screen and interface provides for user-friendly operation.
- Preset On/Off function.
- Independent circulating pump switch for easy starting/stopping the cycle.
- Easy to set Adjustable Timer. (1 minute to 5,999 minutes)
- Maintenance-free operation with easy to clean surface.
- Both heater and bath chamber are made of corrosion-resistant stainless steel.
- No angle in bath chamber, easy to clean.
- Uniquely designed heating method can up to 80 °C .(BR-H series)
- Programming setting function with 7 periods and 9 steps for each period, which means. there are 63 programmable steps in total. (BR-H series)

Safety

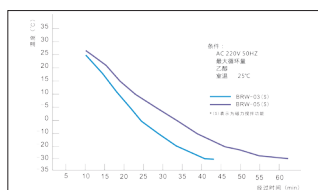
- Temperature deviation alarm.
- Over current protection.
- Independent Over-temperature protection meets DIN 12880 International standard requirements.
- Liquid level display window, through which you can intuitively observe the liquid level in the tank.

Option

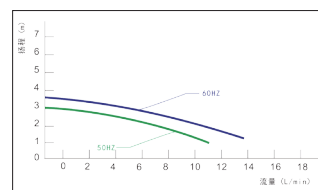
- Available RS-485 or USB ports for data collection.



Control panel



Cooling curve



Head / Flow curve



Specification

Product Name	Cooling recirculating chiller				
Model	BR-03	BR-05	BR-10	BR-20	BR-50
Storage tank maximum capacity (L)	5	8	15.5	30	62
Temperature range	-20 - 20℃				
Temperature accuracy	±2℃				
Cooling capacity at 10℃ (W)	530	600	1500	2500	4000
Refrigerant	R404A		R410A		
Security features	Delay, leakage, overcurrent, overvoltage				
Total power (W)	550	600	1300	1600	2400
Power requirements	AC220V/ 50HZ				
Pump power	30		60		550
Pump flow max. (L / min)	6		17		30
Maximum head (m)	9		15		25
Inlet/Outlet pipe diameter (mm)	φ10		φ12		
Weight	32	41	60	76	126
Liquid storage	3.5	5.2	13	25	52
Noise level	≤45		≤55	≤65	≤75
Dimensions W×D×H(mm) (include caster)	210×410×511	310×445×570	400×500×739	450×600×821	560×845×850

Specification

Product Name	Cooling / Heating recirculating chiller				
Model	BR-03H	BR-05H	BR-10H	BR-20H	BR-50H
Storage tank maximum capacity (L)	5	8	15.5	30	62
Temperature range	-20 - 80°C				
Temperature accuracy	±0.5°C				
Cooling capacity at 10°C (W)	530	600	1500	2500	4000
Refrigerant	R404A		R410A		
Security features	Delay, leakage, overcurrent, overvoltage				
Total power (W)	1100	1350	2500	3000	4300
Power requirements	AC220V/ 50HZ				
Pump power	30		60		550
Pump flow max. (L / min)	6		17		30
Maximum head (m)	9		15		25
Inlet/Outlet pipe diameter (mm)	φ10		φ12		
Weight	32	41	60	76	126
Liquid storage	3.5	5.2	13	25	52
Noise level	≤45		≤55	≤65	≤75
Dimensions W×D×H(mm) (include caster)	210×410×511	310×445×570	400×500×739	450×600×821	560×845×850