

Recirculating Chiller



Control panel

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

Features

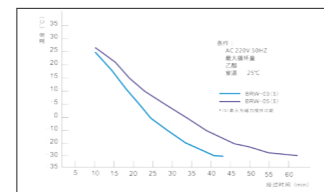
- P.I.D temperature controller provides accurate and reliable temperature control.
- Large LCD display screen and interface provides for user-friendly operation.
- Preset On/Off function.
- Independent circulating pump switch for easy starting/stopping the cycle.
- Easy to set Adjustable Timer. (1 minute 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

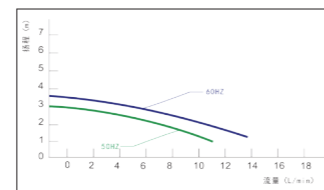
- Temperature deviation alarm.
- Over current protection.
- Independent Over-temperature protection meets DIN 12880 International standard requirements.
- Liquid level display window, through which you can intuitively observe the liquid level in the tank.

Option

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



Cooling curve



Head / Flow curve

Specification

Product Name	cooling recirculating chiller			
Model	BR-03A BR-03B BR-03C	BR-05A BR-05B BR-05C	BR-10A BR-10B BR-10C	BR-20A BR-20B BR-20C
Storage tank maximum capacity (L)	3	5	10	20
Temperature range	A: -20~20°C; B: -30~20°C; C: -40~20°C			
Ambient temperature range	+5~30°C			
Temperature accuracy	±0.5°C		±2°C	
Cooling capacity at 20°C (kw)	1.5	1.95	2.2	3.52
Cooling capacity at 0°C (kw)	1.05	1.2	1.76	2.96
Cooling capacity at -20°C (kw)	0.45	0.65	1	1.3
Refrigerant	R404A			
Security features	Delay, leakage, overcurrent, overvoltage			
Total power (W)	1000 1000 1300	1350 1350 1500	2400 2400 2600	3300 3300 3500
Power requirements	AC220V±10%/50HZ			
Pump flow max. (L / min)	8		17	
Maximum head (m)	1.5		2.5	
Inlet/Outlet pipe diameter (mm)	φ 16		φ 20	
Noise level	≤45		≤55	
Liquid tank opening / depth (mm)	φ 180×120	φ 220×180	φ 250×250	φ 300×300
Dimensions W×D×H(mm) (include caster)	250×480×585	315×540×625	400×590×790	430×600×840

Specification

Product Name	cooling/heating recirculating chiller			
Model	BR-03HA BR-03HB BR-03HC	BR-05HA BR-05HB BR-05HC	BR-10HA BR-10HB BR-10HC	BR-20HA BR-20HB BR-20HC
Storage tank maximum capacity (L)	3	5	10	20
Temperature range	A: -20~40°C; B: -30~40°C; C: -40~40°C			
Ambient temperature range	+5~30°C			
Temperature accuracy	±0.3°C			
Cooling capacity at 20°C (kw)	1.5	1.95	2.2	3.52
Cooling capacity at 0°C (kw)	1.05	1.2	1.76	2.96
Cooling capacity at -20°C (kw)	0.45	0.65	1	1.3
Refrigerant	R404A			
Security features	Delay, leakage, overcurrent, overvoltage			
Total power (W)	1500 1500 1800	1600 1600 1750	2900 2900 3100	3800 3800 4000
Heating power (W)	550	750	1400	2000
Power requirements	AC220V±10%/50HZ			
Pump flow max. (L / min)	8		17	
Maximum head (m)	1.5		2.5	
Inlet/Outlet pipe diameter (mm)	φ 16		φ 20	
Noise level	≤45		≤55	
Liquid tank opening / depth (mm)	φ 180×120	φ 220×180	φ 250×250	φ 300×300
Dimensions W×D×H(mm) (include caster)	250×480×585	315×540×625	400×590×790	430×600×840

Note: The Temperature range can extend to 80 °C