



Recirculating Chillers

Recirculating Chiller

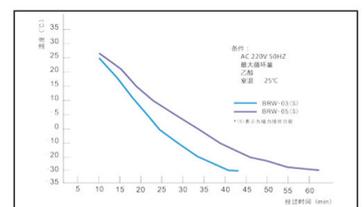


Control panel

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

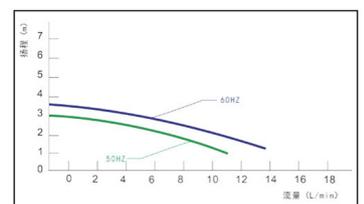
- P.I.D temperature controller provides accurate and reliable temperature control.
- Large LCD display screen and interface provides for user-friendly operation.
- Preset On/Off function.
- Independent circulating pump switch for easy starting/stopping the cycle.
- Easy to set Adjustable Timer. (1 minute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



Cooling curve

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.



Head / Flow curve

Option

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

Specification

Product Name	cooling recirculating chiller			
Model	GentianaBR-03A GentianaBR-03B GentianaBR-03C	GentianaBR-05A GentianaBR-05B GentianaBR-05C	GentianaBR-10A GentianaBR-10B GentianaBR-10C	GentianaBR-20A GentianaBR-20B GentianaBR-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	AC 220V-240V, 60Hz			
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	GentianaBR-03HA GentianaBR-03HB GentianaBR-03HC	GentianaBR-05HA GentianaBR-05HB GentianaBR-05HC	GentianaBR-10HA GentianaBR-10HB GentianaBR-10HC	GentianaBR-20HA GentianaBR-20HB GentianaBR-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	AC 220V-240V, 60Hz			
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	
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Note: The Temperature range can extend to 80 °C

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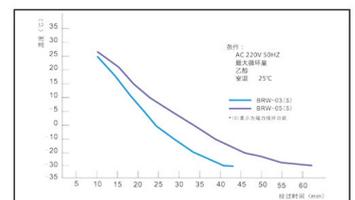


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Features

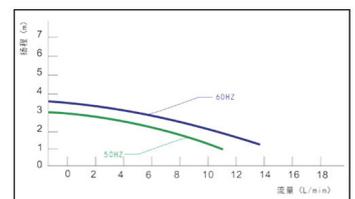
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Head / Flow curve

Option

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Recirculating Chiller

Specifications

Product Name	cooling recirculating chiller			
Model	GentianaBWR-03A GentianaBWR-03B GentianaBWR-03C	GentianaBWR-05A GentianaBWR-05B GentianaBWR-05C	GentianaBWR-10A GentianaBWR-10B GentianaBWR-10C	GentianaBWR-20A GentianaBWR-20B GentianaBWR-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	
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Security features	Delay, leakage, overcurrent, overvoltage			
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Maximum head (m)	1.5		2.5	
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