

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

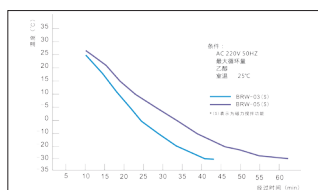
- Temperature deviation alarm.
- Over current protection.
- Independent Over-temperature protection meets DIN 12880 International standard requirements.
- Liquid level display window, through which you can intuitively observe the liquid level in the tank.

Option

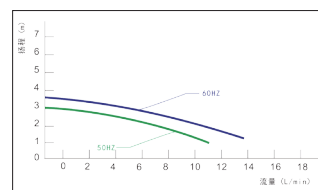
- Available RS-485 or USB ports for data collection.



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 |
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