

Recirculating Chillers

BRC-03, BRC-05, BRC-10 & BRC-20



Redesigned for Improved Performance

The BEING BRC Series cooling/heating recirculating chillers provide continuously reliable and stable laboratory temperature control for a wide range of applications like medical diagnostic equipment, rotary evaporators, vacuum systems, plasma etching, laser etching, and jacketed reactors, to name a few.

Construction Features

- Available in 4 sizes: 5L, 8L, 15.5L, and 30L
- Corrosion-resistant stainless steel chamber and heater
 - Maintenance-free operation
 - Rounded corners for quick and easy cleaning
- Independent circulating pump switch
 - Easy switching between internal and external circulating modes
 - Easy cycle starting/stopping
- Air-cooled heat exchanger with front accessible air filter for quick and easy cleaning
- DC magnetic vortex pump
 - Low noise emissions
 - High flow rate output
- Energy-efficient condenser using eco-friendly refrigerant (R404A / R410A)

Performance Features

- Temperature Range: -20°C to 20°C
- Max. Flow Rate: 17 L/min
- Max. Pump Head: 15 meters
- Max. Pump Pressure: 22 psi / 152 kPa

Controller Features

- PID automatic control provides accurate and reliable temperature control
- Large intuitive LCD display
- Automatic power on/off
- Compressor lock-out prevents over cycling of the compressor
- Programmable function
 - Fixed value program
 - Multi-step: 8 programs, 8 steps
 - Untimed and timed programs
 - Program time from 1 minute to 99 hours 59 minutes

Safety Features

- Independent over-temperature protection meets DIN 12880 International standard requirements
- Temperature limit protection
- Over-current protection
- Power off memory

Intelligent controller with bright, easy-to-understand LCD display.



Push-to-connect fittings provide swiveling and secure, quick, and easy tubing connection.

Easily accessible circuit breaker powers and protects the chiller.



BEING Scientific Inc.

Specifications

Model		BRC-03	BRC-05	BRC-10	BRC-20		
Capacity	Storage Tank (L)	5	8	15.5	30		
	Liquid (L)	3.5	5.2	13	25		
Lowest Temp Without Load		-20°C					
Temperature Range		-20°C to 20°C					
Temperature Stability		± 2°C					
Cooling Features	Cooling Capacity	W	@20°C	580	900	1800	2800
			@10°C	530	800	1500	2500
			@0°C	470	730	1400	2100
			@-10°C	300	570	1000	1900
			@-20°C	100	250	500	900
Refrigerant		R404A		R410A			
Electrical	Whole unit power (W)	550	600	1300	1600		
	Power Requirement	115VAC / 60Hz			208-230VAC / 60Hz		
	Plug Type	NEMA 5-15			NEMA 6-15		
Safety Features		Delay, leakage, overcurrent, overvoltage					
Pump Type		DC Magnetic Drive Vortex					
Pump	Recirculating Pump Power (W)	30		60			
	Pump Flow Rate (L/min)	6		17			
	Max. Pump Head (m)	9		15			
	Pump max pressure (psi / kPa)	13 / 90		22 / 152			
	Inlet/Outlet Tube OD (mm)	Ø10 (DN15)		Ø12 (DN15)			
	Inlet/Outlet Fitting Type	Push-to-Connect					
Noise (dB)		≤45		≤55	≤65		
Feet / Casters		Feet	Locking Casters				
Dimensions	Liquid tank	H x W x D	(mm)	240 x 150 x 150	240 x 200 x 170	270 x 240 x 240	350 x 350 x 250
	Exterior			230 x 450 x 536	315 x 455 x 624	400 x 500 x 814	450 x 600 x 896
Weight (Kg)		32	41	60	76		
Catalog Number		BRC15103U	BRC15105U	BRC15110U	BRC15120C		

† Excluding Casters

