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.





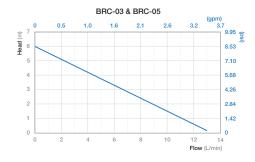


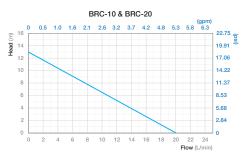


Specifications

	Model			BRC-03	BRC-05	BRC-10	BRC-20
Consoitu	Storage Tank (L)			5	8	15.5	30
Capacity -	Liquid (L)			3.5	5.2	13	25
Cooling Features	Lowest Temp Without Load			-20°C			
	Temperature Range			-20°C to 20°C			
	Temperature Stability			± 2°C			
	Cooling Capacity	@20°C		580	900	1800	2800
		@10°C	w	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 / 60H
	Plug Type			NEMA 5-15 NEMA 6-15			
Safety Feature	es				Delay, leakage, over	current, overvoltage	
- Pump - -	Pump Type			DC Magnetic Drive Vortex			
	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	Feet Locking Casters		1
Dimensions -	Liquid tank	HxWxD	(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





BEING Scientific Inc.

BRC Flyer-V7-032023