Cooling / Heating Circulators

BPC-05A & BPC-13A

Precise and Easy Temperature Control

The BEING BPC Series cooling/heating circulators provide consistent, precise, and stable laboratory temperature control for cooling or heating through constantly circulating water. It can be used for supplying auxiliary heating for water baths. They are widely used in various applications like dissolution testing, and sample and reagent heating in colleges, industrial and mining enterprises, and scientific research departments.

Construction Features

- Available in 2 sizes: 4.5L and 13L
- Corrosion-resistant stainless steel chamber and heater
  - Maintenance-free operation
  - Rounded corners for quick and easy cleaning
- Air-cooled heat exchanger with front accessible air filter for quick and easy cleaning
- Integrated immersion heater and controller
- DC magnetic vortex pump
  - Low noise emissions
  - High flow rate output
- Energy-efficient condenser using eco-friendly refrigerant (R404A)
- Dual service valve to prevent leakage
- Easy access to front mounted drain port

Performance Features

- Temperature Range: –20°C to 150°C
- Max. Flow Rate: 5 L/min
- Max. Pump Head: 3.5 meters
- Max. Pump Pressure: 43.5 psi / 3 bar

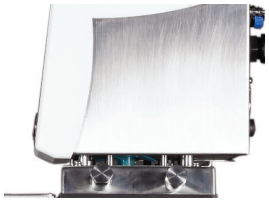
Controller Features

- 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
  - Multi-step: 8 programs, 8 steps
  - Untimed and timed programs
  - Program time from 1 minute to 99 hours 59 minutes
  - Dual wait program on/off

Safety Features

- Independent over-temperature protection meets DIN 12880 International standard requirements
- Temperature limit protection
- Over-current protection
- Power off memory
- Audible and visual alarms
  - Over/under temperature
  - Water level
  - Heater
  - Sensor
  - Over-current

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



When supplying water to an external source the supplied hose barbs can be easily attached to the accessible ports on the side of the control head.

Easily accessible circuit breaker powers and protects the circulator.

Activate TODAY! 2 YEAR WARRANTY

ISO 9001 Registered

BEING Scientific Inc.

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Specifications

Model				BPC-05A	BPC-13A
Capacity	Tank Volume (L)			4.5	13
Cooling & Heating Features	Lowest Temp Without Load			–20°C	
	Temperature Range			–20°C to 150°C	
	Best Operating Temperature			≤35°C	
	Relative Humidity (%RH)			≤65	
	Temperature Stability			± 0.1°C	
	Cooling Capacity	@0°C	W	560	
		@–20°C		160	
	Heating Power Consumption (kW)			1000	
	Refrigerant			R404A	
Electrical	Whole unit power (W)			1500	
	Power Requirement			120VAC / 60Hz	
	Plug Type			NEMA 5-15	
Controller	Display			LCD	
	Type			Microprocessor PID	
	Temperature Sensor			pt100	
Safety Features				Compressor delay, leakage, overcurrent, overvoltage	
Pump	Pump Type			Turbo	
	Max. Pump Flow Rate (L/min)			5	
	Max. Pump Head (m)			3.5	
	Pump max pressure (psi / bar)			43.5 / 3	
	Inlet/Outlet Fitting Type			M10.5 -1.25 x Ø11 Hose barb	
Noise (dB)				≤60	
Feet / Casters				Feet	
Dimensions	Liquid tank opening		H x W x D (in / mm)	5.9 x 6.3 x 5.9 150 x 160 x 150	9.5 x 7.9 x 6.7 240 x 200 x 170
	Exterior			11.4 x 20.5 x 28.0 290 x 520 x 710	15.0 x 24.8 x 34.7 380 x 630 x 880
Net Weight (lb / Kg)				59.5 / 27	77.2 / 35
Catalog Number				BCH15005AU	BCH15013AU

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