



LOW TEMPERATURE CIRCULATOR

LOW TEMPERATURE CIRCULATOR BGI2N1 TO BGI2N10

RECIRCULATING CHILLER

Temperature control, incubation, material testing, corrosion testing, cell culture, tissue research, rotary evaporator orbital agitation at variable speeds to affect the growth of cell cultures.



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:

SPECIFICATIONS

Model	BGI2N1	BGI2N2	BGI2N3	BGI2N4	BGI2N5
Old Model	BCLT-2101	BCLT-2102	BCLT-2103	BCLT-2104	BCLT-2105
Storage tank maximum capacity (L)	5	8	15.5	30	62
Temperature range	-20 - 20°C				
Temperature accuracy	±2°C				
Cooling capacity at 10°C (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 WxDxH (mm) (include caster)	210x410x511	310x445x570	400x500x739	450x600x821	560x845x850
Alt Name	Cooling recirculating chiller				

Model	BGI2N6	BGI2N7	BGI2N8	BGI2N9	BGI2N10
Old Model	BCLT-2201	BCLT-2202	BCLT-2203	BCLT-2204	BCLT-2205
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
Liquid storage	3.5	5.2	13	25	52
Noise level	≤45	≤55		≤65	≤75
Dimensions WxDxH (mm) (include caster)	210x410x511	310x445x570	400x500x739	450x600x821	560x845x850
Alt Name	Cooling / Heating recirculating chiller				



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.

LOW TEMPERATURE CIRCULATOR BGF111

REFRIGERATED AND HEATING CIRCULATOR

Refrigerated and Heating Circulator can be widely used in oil, physical, chemical, pharmaceutical, environmental protection and other fields of science, precision temperature control equipment.



Convenience function: Parameters memory function, temperature correction.
ECO-refrigerant R134a and high quality compressor guarantee the cooling system is eco-friendly and powerful.

Low Noise design: use high quality compressor and mute pump.

Robust water tank: ultra-slushing and rust-proof.

Bright LCD temperature display.

Compact design, removable venting grid for convenient cleaning to maintain cooling performance and drain off water.

SPECIFICATIONS

Model	BGF111
Old Model	BCLT-204
Working temperature range	-20 °C ~ 200 °C
Temperature control	Fuzzy PID
Temperature stability	±0.03 °C
Temperature sensor	PT100
Display resolution	0.1 °C
Heater capacity	2000 W
Cooling capacity	250 W
Refrigerant	R134a
Pump capacity Pressure	0.35 bar
Pump Flow rate	10 L/min
Ambient temperature	-20 ~ 70 °C
Output	RS232/RS485 (optional)
Volume	6 L
Bath opening L*W	160 mm * 160 mm
Bath dimensions L*W*H	320 mm * 180 mm * 150 mm
Dimensions L*W*H	400 mm * 250 mm * 650 mm
Power supply	220 VAC ±10% 50/60 Hz
Weight (kg)	25
Alt Name	Refrigerated And Heating Circulator

APPLICATIONS

Experiments that need heating and cooling, Fermentation Tank, Polarimeter, Refractometer, Spectrophotometer, Electrophoresis System, Chromatographic Column, Viscometer, Rotation Evaporation Instrument, Rheometer.

LOW TEMPERATURE CIRCULATOR BGI2L1 TO BGI2L6

CIRCULATING BATH

Provided for precise and constant temperature and auxiliary heating in colleges, industrial and mining enterprises and scientific research departments.



Microprocessor temperature controller with LCD screen ensures precise and reliable control, easy to operate.

No angle in bath chamber, easy to clean.

Programming setting function with 7 periods and 9 steps for each period, which means there are 63 programmable steps in total.

R134a refrigerant.

With interface to external water bath.

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.

Drain valve makes emptying of bath water fast and easy for cleaning and moving.

Safety:

SPECIFICATIONS

Model	BGI2L1	BGI2L2	BGI2L3
Old Model	BCLT-2601	BCLT-2602	BCLT-2603
Temperature range	-10 - 100°C	-20 - 100°C	-40 - 100°C
Precision	±0.2		
Liquid tank opening/depth (mm)	150x160/150		
Chamber volume	4.5L		
Power requirements	AC220V 50HZ		
Pump (flux)	8L/min		
Power consumption	2300W		3150W
Alt Name	Circulating Bath		

Model	BGI2L4	BGI2L5	BGI2L6
Old Model	BCLT-2604	BCLT-2605	BCLT-2606
Temperature range	-10 - 100°C	-20 - 100°C	-40 - 100°C
Precision	±0.2		
Liquid tank opening/depth (mm)	240x170/200		
Chamber volume	13L		
Power requirements	AC220V 50HZ		
Pump (flux)	8L/min		
Power consumption	2300W		3100W
Alt Name	Circulating Bath		

FEATURES

Microprocessor temperature controller with LCD screen ensures precise and reliable control, easy to operate.

No angle in bath chamber, easy to clean.

Programming setting function with 7 periods and 9 steps for each period, which means there are 63 programmable steps in total.
R134a refrigerant.

With interface to external water bath.

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.

Drain valve makes emptying of bath water fast and easy for cleaning and moving.

Safety:

Audible and visible alarm for temperature and water level.

Heater alarm, sensor alarm, upper and lower temperature alarm.

Preset On/Off function.

Built-in power interruption protection function, automatic run after power interruption.

Temperature deviation alarm.

Over current protection alarm.

Option:

Available RS-485 or USB ports for data collection.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com