

CRYOSTATE CIRCULATING WATER BATH



PRODUCT DESCRIPTION

BIOGENIX® Water bath provides precise temperature control along with stirring mixture function to create a stable temperature environment for a variety of applications. Easy to use and maintain, seamless stainless steel chamber with available with a digital operating system. Used in Enzyme reactions, Immunoassay, Incubation, Laboratory, Research, Medical, Pharmaceuticals. Also known as Laboratory COOLING WATER BATH

We offer you robust circulators equipped with microprocessor controller for high heating and cooling experiments. Fitted with adjustable casters, corrosion resistant interior and exterior, these circulators are a perfect fit for any environment.

100 SERIES LOW TEMPERATURE CIRCULATOR

Submerged controller apply fuzzy logistic PID control, high brightness LCD, which is able to display time, date and system information for facilitating the operation.

It is easy to maintain and clean condenser to improve the refrigerating performance and save energy.

RS232 interface.

The fluid can be discharged easily for the cleaning and maintenance of incubator.

Condenser coil is designed around for guarantee the even temperature inside the incubator.

Professional human mechanical design is applied to improve the comfort.

The circulator applies high quality cold rolling plate sprayed with Dupont powder. The inner bag applies SUS304 stainless plate cut with laser.

The combined use of refrigerator and heater makes the temperature range wider and temperature control more accurate. High precision temperature control can be conducted.

Strong external circulation and cooling capacity; the pump power can be controlled electronically to guarantee the best heat exchange effect.

An air filter screen is installed to the air intake at the bottom of control panel, which is used to effectively prevent the suction of ash and maintain the internal part clean.

Apply fuzzy logistic PID control, high brightness LCD, which is able to display time, date and system information for facilitating the operation.

Devices for electrical leakage protection, power down recovery, water level alarm, independent over temperature protection, upper limit and lower limit alarm of temperature etc. are provided to guarantee the safety of operation.



SPECIFICATION

Model	BCLT-101	BCLT-102	BCLT-103
Capacity	6 L	8.8 L	15.6 L
Temperature Range	-20°C to 25°C		
Temperature Accuracy	1°C		
Temperature Control Accuracy	±1°C		
Temperature Stability	±2°C		
Ambient Temperature	5°C~35°C		
Pump Flow Rate	5L/min		
Maximum lift	1.5m		
Mixing Inside Bath	Spouting mixing		
Temperature Control Method	Fuzzy logistic PID control method		
External Circulating Water Gap	Tubing with outside diameter being 11mm	Tubing with outside diameter being 18mm	

Inner Dimension (WxDxH)	152Wx262Dx153H mm	152Wx302Dx193H mm	187Wx392Dx213H mm
Outer Dimension (WxDxH)	297Wx550Dx750H mm	297Wx590Dx770H mm	413Wx705Dx790H mm
Weight	32 kg	36 kg	45 kg
Refrigerant	R134a	R22	
Refrigerating Power	425 W	600 W	725 W
Heating Power	2000 W		
Power Supply	AC-220V, 50/60Hz		

200 SERIES LOW-TEMPERATURE CIRCULATOR

Fuzzy PID temperature control system: control temperature stability accurately and fast.

Multi-protection: Over-current protection, high and low temperature warning functions, dry-running protection.

Convenience function: Parameters memory function, temperature correction.

ECO-refrigerant R134a and high quality compressor guarantee the cooling system ecofriendly 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	BCLT-201	BCLT-202	BCLT-203	BCLT-204
Capacity	6 L			
Temperature Range	-5°C ~ 100°C	-5°C ~ 200°C	-20°C ~ 100°C	-20°C ~ 200°C

Temperature Stability	±0.03°C
Ambient Temperature	-20 ~70°C
Pump Flow Rate	10L/min
Pump Capacity Pressure	0.35 bar
Top Opening	160Lx160W mm
Inner Dimension (WxDxH)	320Lx180Wx150H mm
Outer Dimension (WxDxH)	400Lx250Wx65HH mm
Weight	25 kg
Control	PID
Display	1°C
Temperature Sensor	PT100
Refrigerant	R134a
Refrigerating Power	250 W
Heating Power	2000 W
Power Supply	220VAC±10% 50Hz

300 SERIES LOW-TEMPERATURE CIRCULATOR

PID controller offers precise temperature control and uniformity
 Corrosion resistant inner and outer chamber made of stainless steel
 Dual LED screen displays temperature and time
 Protection against compressor overload, high/low voltage and current
 Convenient and reliable operation Equipped with caster for easy installation



SPECIFICATIONS:

Model	BCLT-301	BCLT-302	BCLT-304
Capacity	8 L	12 L	30 L

Temperature Range	-5°C to 100°C		
Top Opening	120x120 mm	170x110 mm	260x160 mm
Inner Dimension (WxDxH)	150x300x200 mm	240x300x200 mm	360x420x200 mm
Outer Dimension (WxDxH)	400x470x800 mm	400x520x800 mm	500x570x800 mm
Power	162 W	192 W	260 W

400 SERIES LOW-TEMPERATURE CIRCULATOR

PID controller offers precise temperature control and uniformity
 Corrosion resistant inner and outer chamber made of stainless steel
 Dual LED screen displays temperature and time
 Protection against compressor overload, high/low voltage and current
 Convenient and reliable operation Equipped with caster for easy installation



SPECIFICATIONS:

Model	BCLT-401	BCLT-402	BCLT-403	BCLT-404
Capacity	8 L	12 L	22 L	30 L
Temperature Range	-20°C to 100°C			
Top Opening	120x120 mm	170x110 mm	170x160 mm	-
Inner Dimension (WxDxH)	150x300x200 mm	240x300x200 mm	355x325x200 mm	360x420x200 mm
Outer Dimension (WxDxH)	400x470x850 mm	400x520x850 mm	450x520x850 mm	500x570x850 mm
Power	192 W	236 W	260 W	280 W
Temperature Resolution	-	±1°C		

500 SERIES LOW-TEMPERATURE CIRCULATOR



PID controller offers precise temperature control and uniformity

Corrosion resistant inner and outer chamber made of stainless steel

Dual LED screen displays temperature and time

Protection against compressor overload, high/low voltage and current

Convenient and reliable

operation Equipped with caster

for easy installation

SPECIFICATIONS:

Model	BCLT-501	BCLT-502
Capacity	8 L	12 L
Temperature Range	-40°C to 100°C	
Temperature Resolution	±1°C	
Top Opening	120x120 mm	170x110 mm
Inner Dimension (WxDxH)	150x300x200 mm	240x300x200 mm
Outer Dimension (WxDxH)	450x520x850 mm	450x570x850 mm
Power	360 W	

Dealer Details



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