



CRYOSTAT BHTP-102

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SEMI-AUTOMATIC CRYOSTAT



- 1. Modular control system :
Defrost automatically / manually , Each defrost time is 15 minutes by default, or the box temperature rises to -5°C during the defrosting process, the defrosting will end in advance
- Hibernation automatically / manually ;
- UV sterilization ;
- Semi-conductor refrigerant ;
- Slice number and thickness calculation ;
- 1. Movement speeds of specimen clamp.
- Appearance :
one-time injected model cover ;
Anti-fog heating glass design ;

SPECIFICATIONS

Model	BHTP-102
Electrical	
--Voltage frequency	220-240VAC, 50Hz / 60Hz; 110-127VAC, 60Hz
--Main fuse	4A
--Power consumption (220-240VAC)	1400VA
--Power consumption (110-127VAC)	1200VA
Refrigerating	
--Freezing chamber temp range	-35°C to -40°C adjustable
--Defrost	Manual / Auto
--Refrigerating capacity	690 W
--Refrigerate	R449A / 400g ± 5g
Quick-freezing shelf	
--Operating temperature	-40°C ~ -40°C
--Minimum reaching temperature	-60°C (+5°C)
Microtome	
--Setting range of section thickness	1 μm - 100 μm
Section thickness setting	(a)1 μm - 20 μm, step of 1 μm(b) 20 μm - 50 μm, step of 2 μm(c)50 μm - 100 μm, step of 5 μm
Section thickness deviation	±20%
Trimming thickness (1-50 μm)	1μm~600μm(a)1 μm - 50 μm, step of 5 μm(b)50μm~100μm, with a step of 10μm(c)100μm~600μm, with a step of 50μm
Sample retraction	0-200 μm adjustable, step of 5 μm
Specimen horizontal stroke	25 mm ± 1 mm
Specimen vertical stroke	59 mm ± 0.5 mm
Specimen max size	55 mm x 55 mm
Specimen clamp angle	12° (X & Y), 360° (Z)
Sample slow speed	300 μm/s
Sample fast speed	900 μm/s
Dimensions	780x700x1280 mm (650 mm without handwheel), ±5%
Net weight	120 kg

Package Info	
--Package	Wooden Case
--Package Dimensions	913x804x1467 mm
--Gross Weight	208 ± 10 kg
Alt Name	Semi-automatic Cryostat

ITEMS INCLUDED

No	Name	Unit
1	Specimen Disc	10 pcs
2	Fuse	2 pcs
3	Appliance Stand	1 pcs
4	Power line	1 line
5	Hexagonal Wrench	1 set
6	Brush	1 pc
7	Handle	1 pc

FEATURES

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Hibernation automatically / manually ;

UV sterilization ;

Semi-conductor refrigerant ;

Slice number and thickness calculation ;

1. Movement speeds of specimen clamp.

Appearance :

one-time injected model cover ;

Anti-fog heating glass design ;

Chromatic liquid crystal touch screen .



Microtome :

light and smooth handwheel with locking device on it ;

Specimen clamp enables to adjust triaxially with a block in the centre to go back

High precision guide rails made in Germany make transmission smooth durable and be able to cut hard sample ;

Retraction

Freezing chamber

Extra large chamber with wide freezing shelf may hold 20 specimen discs meanwhile .

With waste tray and instrument rack .

Blade holder :

Wide or narrow blades optional ;

A anti-fatigue cam lock ensures blades clamp tight;

Blade clamp can be moved horizontally on the guide rail for safety and making full use of a blade ;

Glass anti rolling plate to adjust angle and gap with pressing plate ;

A pushing rod pops the blade out .

Relative humidity for transport and storage: Maximum 60 %, non-condensing

IEC 61010- 1 classification: Pollution level 2; Over-voltage category II

Atmospheric pressure:700 hPa ~ 1060hPa

A weighted noise leve: ≤ 70 dB (A)

Altitude: ≤2000 m



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