

# Bath Cryostat

## Refrigerated Digital Recirculating Bath



**Refrigerated Digital Recirculating Bath**  
controlled by microprocessor.

- Precision cryothermostat.
- Inner tank made of stainless steel AISI 304, and metallic housing protected with Epoxi paint of great resistance to corrosion.
- Temperature controlled by microprocessor, by means of an integrated Pt100 sensor, with "ARA V2" algorithm of temperature regulation with "fuzzy logic" control.
- Digital display LCD backlighted with indication of the selected and real value of temperature.
- Membrane push-button control.
- CFC free compressor of 1/5 HP, noiseless and without vibration.
- Circulation pump (6L/min) (max. pressure 200mbar).
- Double safety thermostat:
  - cut out indicator lamp. The unit will cut out if there is insufficient liquid or if the temperature exceeds the maximum temperature.
  - safety automatic disconnection with acoustic alarm that prevents overheating from the programmed temperature (+2,5°C). Connects again when the T<sup>a</sup> is below the limit.
- Indication on the display of high temperature on the tank, that provides protection against burn. From 45°C.
- Automatic restart after unexpected shut down keeping the same parameters as before the incident. An incident sign appears on the display.
- Memory of the last settings.
- External faucets for external thermostatization.
- Water drainage faucet and handles for a easy transport.
- Lid included of 254x130mm.
- Main switch ON/OFF protected against splashes.

Technical Specifications:

Model	<b>BC10E</b>
Reference	10000-01116
<b>Thermostatization</b>	
Max. Vol. (L)	12
Heating power (W)	1600
Refrigerating power (W)	300
T <sup>a</sup> range (°C)	<b>-10 – 100*</b>
Resolution (°C)	0,1
Stability (°C)	+/- 0,1
<b>General Data</b>	
Tank Material	Stainless Steel AISI 304
Inner Dimensions (cm)	25x13x15
External Dimensions (cm)	50x45x57
Weight (kg)	27,0
Protection IP	IP52
Packaging cm	Tribox 52x52x70