

BOD INCUBATOR WITH HUMIDITY CONTROL



// CABINET FEATURES:

- Expanded polyurethane thermal insulation walled, including doors;
- Low levels of temperature loss to the outside environment;
- Interior illumination when opening the door;
- Internal chamber with polymer coating, pre-molded, anti-corrosion;
- External cabinet and trays made of 1020 carbon steel with epoxy powder coating Smooth epoxy powder coating, corrosion resistant;
- Leveling feet;
- Blind door with magnetic seal;
- Inside water reservoir for moisture maintenance;
- Humidity through ultrasonic evaporation control.

// INCLUDED ACCESSORIES:

- Shelves;
- Plastic drawer.

// OPTIONAL:

- Calibration certificate from RBC/INMETRO for temperature control;
- Calibration certificate from RBC/INMETRO for equipment;
- Shelves in stainless steel;
- Output for software communication;
- Control of ramps and levels with 4-20 mA output for software temperature recording and monitoring.



// MOISTURE

- Digital controller;
- Ultrasonic humidifier.

// TECHNICAL DATA:

TEMPERATURE RANGE	-10°C to 60°C (other temperatures, under analysis)
TEMPERATURE CONTROL	PID system controller by microprocessor and autotuning
HUMIDITY CONTROL	Microprocessed digital for relative humidity regulation: 20% to 90% U.R. Resolution 1%
DISPLAY	Lightning polycarbonate LED 4 digits
OPERATING TEMP. WITH HUMIDITY	0°C to 50°C
ACCURACY	+/- 0.1°C for process temperature indication
RESOLUTION	0.1°C for temperature indication on process
TIMER	1 to 9999 minutes (1 in 1 minute) programmable
TEMPERATURE SENSOR	PT 100
RESISTANCE	Tubular shielded resistance (easy to replace)
THERMOSTAT SYSTEM	Safety against temperature rise and automatic shutdown of the cooling system
AIR CIRCULATION SYSTEM	Silent system with vertical hot and cold forced airflow, to ensure homogeneity inside the chamber
POWER CABLE	3 pins - Brazilian standard (NBR 14136)
HERMETICAL COMPRESSOR	1/8 Hp power/compressor with CFC free R 134 A
PRE SET ON/OFF	Lighting indication
POWER SUPPLY	110V or 220V (must be defined by customer)

// MODEL DETAILS:

MODEL	CAPACITY	STORAGE CAPACITY	INTERNAL MEASURES	ELECTRICAL LOAD	SHELVES
SSBODu 342L	342 liters	323 liters	134x52.5x46 cm	400 W	2

Notice: Any product presented can be produced according to customer's needs. All models come with English language instruction manual. 1 year warranty against manufacturing defects.