



MODEL NO.: YSI-440
YSI BOD INCUBATOR

—"Super Deluxe" with Solid State, Most versatile and highly reliable low temperature incubator, to make Biochemical Oxygen Demand determinations and for preservation of vaccines, insulin, lever extracts, chemicals etc.

Construction : Robust Construction. Outer cabinet is made of M.S. Sheet, duly pre treated & finished with epoxy powder coated paint for lasting finish. Inner chamber is made of highly polished stainless steel. It has provision for allowing wide range of shelf positions & spacings. Stainless steel trays are also provided. Chamber is duly insulated to minimize heat loss. Two doors are provided. Outer door is insulated and is fitted with magnetic gasket for air tight closing for no temperature loss. Door is provided with lock and key. Inner door is made of unbreakable transparent acrylic glass empaneled in aluminum door frame for inspecting the specimens inside chamber, without opening the door and with minimum temperature loss.

Temperature Control : The heart of the YSI B.O.D. Incubator is the excellent and reliable solid state temperature controller

cum indicator digital display, range from 5°C to 50°C ± 0.5°C. Hermetically sealed, high performance compressor works on Environment friendly and CFC free refrigerant and PUF insulated to lower the inside chamber temperature. Heating elements are placed in the path of moving air duly insulated from the body. Cooling coils also lie in the air circulation path. Air is circulated by a double shaft self-cooled, blower to keep the temp. uniform throughout the inner chamber. A safety thermostat is provided, which switches off the heaters in the event of failure of the normal temp. control system to protect the specimens from excessive heat. Also fitted with a door operated lamp for illumination inside the chamber. Conceded aesthetic design caster wheels are provided at bottom for easy mobility.

Control Panel : All controls and circuitry are housed at the top of the incubator and therefore protected from spillage. Separate indicator lamps for mains, heating and cooling are fitted. Temperature setting fine and coarse knobs allow the user to set any desired temp. A Digital Voltmeter is provided on the panel to read the incoming voltage.

TEMPERATURE CONTROL

Salient Feature : YSI BOD INCUBATOR switches from heating to cooling and vice versa irrespective of the ambient temperature because of its unique design and thus is capable of working without any user intervention. Supplied complete with 3 shelves of Stainless Steel as per the chamber, cord and plug, to work on 220 Volts, 1 Phase, 50 Hz, AC supply. The unit is supplied with suitable Automatic Voltage Stabilizer.

Available in following chamber sizes :

W	x	H	x	D	Cap. Cu. ft.
455	x	605	x	415 mm	4.0
500	x	800	x	415 mm	6.1
565	x	865	x	550 mm	10.0
650	x	900	x	550 mm	12.0
700	x	900	x	650 mm	15.0

Optional Accessories (YSI-440, 440A) :

- Interior illumination with 3 Nos. fluorescent tubes.
- Automatic cyclic timer 0-24 hrs. regulating illumination cycle.
- Arrangement for incubation carbon dioxide & air mixture.
- Carbon-di-oxide Cylinder 9 liters.
- Air compressor.

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**YSI HUMIDITY SYSTEM
(STEAM) BOD INCUBATOR**

Can be incorporated in the BOD Incubator for maintaining humidity arrangement. Humidity is created by condensation of steam generated by heaters dipped in water. Humidity is controlled by imported Humidstat from ambient to 95% ± 3% RH.

MODEL NO.: YSI-441A

**YSI HUMIDITY SYSTEM
(WATER SPRAY) BOD INCUBATOR**

Can be incorporated in the BOD Incubator for maintaining humidity arrangement Humidity is created by spraying water in the form of fine mist generated with the help of air compressor and other accessories which are supplied with the unit. Humidity is controlled by Digital temperature and Humidity Control from ambient to 95% ± 3% RH.

