

# BOD Incubator

## IG-IC SERIES



**IGENE LABSERVE**

Innovative • Interactive • Intuitive

# FEATURES & SPECIFICATIONS

## DESCRIPTION & FEATURES

BOD Incubator is used for storage and fungal / bacterial culture growth at 37°C or below. These laboratory incubators are also known as cooling incubators or BOD Incubator because their temperature range remains between (ambient-20°C) to 60°C. These units are fitted with digital temperature controller and air circulation fan, which is responsible for uniform distribution of temperature across the chamber.

Each unit is equipped with digital PID temperature controller for high temperature accuracy and uniformity. This controller displays both set value (SV) and process value (PV). It also has low / high temperature alarm which alerts operator if there is any variation in set temperature. Heat is generated using resistance wire heaters or beaded heaters; motorized blower or axial fan is also fitted to distribute the temperature across the chamber evenly.

iGene Lab serve **BOD incubators** feature rugged construction. External cabinet is made of thick gauge of GI sheet which is powder coated and painted to enhance its corrosion resistance feature or GMP model with complete stainless steel if required. The inner chamber is made of thick gauge of 304 grade stainless steel sheets. The gap between the inner and external chamber is filled with high density glass wool which minimizes heat loss and keeps the unit energy efficient. Refrigerant used in this system is free of CFC.

In long term experience, we have noted that different users have different needs; therefore, we understand the need of customization. In order to meet their diverse needs, we provide several customization options and accessories to make these bacterial incubators fit to their specific requirements. Optional accessories include *PLC based HMI controller, 21 CFR part 11 software, data logger and thermal printer* etc.

Each unit is tested at various steps before dispatching to customer ensuring you that you are buying a finest incubator.



# SPECIFICATIONS

<b>Temperature range</b>	5°C to 60°C
<b>Temperature accuracy</b>	±0.2°C @37°C
<b>Temperature controller</b>	Dual display PID controller Display SV & PV Auto tuning feature
<b>Temperature sensor</b>	PT100
<b>Inner chamber</b>	SS 304
<b>External cabinet</b>	Powder coated GI sheet
<b>Insulation</b>	Glass wool
<b>Door</b>	Insulated door Mechanical latch / clamp Glass window
<b>Heaters</b>	Resistance wire heaters
<b>Shelves</b>	SS wire mesh (removable)
<b>Air circulation</b>	Motorized blower / Axial fan
<b>Standard fittings</b>	Mains on/off switch Load Indicator Fan on/off switch
<b>Power supply</b>	220 Volts 50Hz
<b>Optional</b>	GMP construction (Inner & outer SS 304) PLC + HMI controller w/ USB interface 21 CFR Part 11 software Data logger w/ USB interface Thermal printer Inner chamber LED light



# ORDERING INFORMATION

Model no.	Size (Inches)	Volume	Shelves
IG-50IC	15 x15 x 15	50 Liters	2
IG-95IC	18 x 18 x 18	95 Liters	3
IG-125IC	18 x 18 x 24	127 Liters	3
IG- 177IC	16 x 24 x 24	177 Liters	3
IG-216IC	24 x 24 x 24	226 Liters	3
IG-270IC	24 x 24 x 30	270 Liters	3
IG-300IC	23 x 23 x 35	300 Liters (Approx)	3
IG-340IC	24 x 24 x 36	340 Liters	5
IG-500IC	24 x 27 x 48	500 Liters	7