LABORATORY INCUBATOR

IG-I Series

iGENE LABSERVE
Innovative · Interactive · Intuitive

FEATURES & SPECIFICATIONS

DESCRIPTION & FEATURES

Bacteriological Incubator is used for storage and bacterial culture growth at 37°C. These laboratory incubators are also known as heated incubators because their temperature range remains between above ambient 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 temperature low / high 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 Labserve bacteriological 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.

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 need 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

Temperature range	Ambient to 60°C
Temperature accuracy	±0.2°C @37°C
Temperature controller	Dual display PID controller Display SV & PV Auto tuning feature
Temperature sensor	PT100
Inner chamber	SS 304
External cabinet	Powder coated GI sheet
Insulation	Glass wool
Door	Insulated door Mechanical latch / clamp Glass window
Heaters	Resistance wire heaters (Air Fin Heaters optional)
Shelves	SS wire mesh (removable)/ Shelves with holes for small instruments
Air circulation	Motorized blower / Axial fan
Standard fittings	Mains on/off switch Load Indicator Fan on/off switch
Power supply	220 Volts 50Hz
Optional	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

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ORDERING INFORMATION

Model no.	Size	Volume	Shelves
IG-28I	12 x 12 x 12	28 Liters	2
IG-45I	14 x 14 x 14	45 Liters	2
IG-95I	18 x 18 x 18	95 Liters	3
IG-125I	18 x 18 x 24	127 Liters	3
IG-150I	19.5 x 19.5 x 24	150 Liters	3
IG-171I	20 x 20x 26	170 Liters	3
IG-216I	24 x 24 x 24	226 Liters	3
IG-250I	24 x 24 x 30	250 Liters	4
IG-340I	24 x 24 x 36	340 Liters	5
IG-500I	24 X27 X48	500 Liters	7