



**MODEL NO. - ACM-22063-I**



# **WALK-IN INCUBATOR**



# Walk-in Incubator

We are manufacturers of customized walk in incubators in India since more than two decades. Our pre-fabricated walk in incubators are suitable for all industrial incubator applications such as those used in food processing industries (Dairy Incubators and Poultry Incubators), Laboratory applications, seed germinators and other general and specialized scientific applications.

We specialize in both the versions of walk in incubators

Ambient Temperature Walk in incubators,

Low temperature Walk in incubators (With humidity control)

Over a short period of time we have managed to create a niche for our selves in the industrial incubator market and have joined the elite group of companies, who have the distinction of being the exporters of walk in incubators in India. We have been catering to various Asian And African markets besides having a strong presence in the domestic market catering to wide array of clients ranging from premier scientific institutes, food processing industries, defence installations and various conventional and agriculture universities.

## Salient Features of BOD Incubator

- Reliable
- Aesthetically designed
- Energy Efficient
- Long life
- Low Maintenance
- Calibration And Protocol Documentation

## Construction

Weiber walk in incubators are double walled convection heated and cooled units. Outer body of our incubators are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated.. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade or anodized aluminum sheet or G.I. (as per the customer's requirements). The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our walk in incubators

The unit is provided with two doors , the inner door is made of thick plexi glass/float glass, to view the specimens/culture media/stocks, without disturbing the temperature of the chamber. This door is provided with magnetic door closer. The outer door is made of mild steel sheet lined with stainless steel from inside.. This door is provided with lock and key arrangement. The unit is mounted on a sturdy steel frame The unit is provided with various customized shelves in various permutations and combinations to suit individual

## Heating / Cooling

Indirect heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage.. The warm air is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

An energy efficient cooling unit is installed in our carbon dioxide Incubators to enable bio chemical demand studies at lower room temperatures. We use ISI marked high end CFC free compressors of Kirloskar/Tecumseh make, conforming to latest international standards and guidelines./p>

## Humidity

Humidity generation provision can be incorporated as an optional feature if desired by the customer. The humidity is generated by means of aerosol humidity generator with efficient humidity controller cum indicator.

## Humidity Range

From Ambient to 90% (As per the temperature Requirements).

## Humidity Sensitivity

Humidity is controlled by mean of an electronic humidity controller cum indicator with an accuracy of + 7%.



## Temperature Range Temperature Sensitivity

### Temperature Control

The temperature inside our walk in incubator is controlled through programmable micro-processor based temperature controller cum indicator.

Temperature range of our standard walk in Incubator models are 5o c above ambient to 90o c. / 5o c to 90o c. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

Temperature inside our carbon dioxide Incubators are controlled with a sensitivity of + 0.5o c or better.

### Illumination

Our units are provided with door operated illumination system comprising of fluorescent lights

### Front Panel Note

Front panel of our units comprises of on/off switches heating, cooling and mains indicator lamps, temperature controllers and voltmeters.

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## Technical Matrix For Carbon Dioxide Incubators

Temperature Control	-	-
Temperature Sensitivity	± °C	0.5 or better
Spatial Deviation In Temperature	± °C	0.5 or better
Readability	°C	0.51
Temperature range	°C	2°C to 90°C /5°C above ambient to 90°C (Standard)
Temperature Sensor	-	PT-100
Temperature Controller	-	Solid State digital Controller/ PID optional
Display	-	LED/LCD

Adjustable alarm limits	-	Optional With PID controller only.
Water quality	-	Distilled / Ionized
Safety thermostats	-	-
Temperature variation Adjustments	-	3 (With PID Controllers only)
Temperature Sensors	-	PT-100
Automatic temperature setting	-	Yes (With PID Controllers only)
Adjustable limits	-	Yes (With PID
		Controllers only)
Light control	-	-
Readability or Set ability	%	10% (optional feature)
Light intensity (Middle chamber)	Lux	As Desired (optional feature)
Light intensity (Both Sides)	Lux	As Desired (optional feature)
Accessories	-	-
De-icing module	-	Optional
Timer (999 mins)	-	Optional
Program (Real Time)	-	Optional
Data Acquisition Program	-	Optional
Serial Port (Printer)	RS232C	Optional
Inspection window in door	-	Optional
Water reservoir	litres	18 ltr

Shelves	-	-
Standard	-	3
Internal Dimensions	mm	Model Specific
Maximum Permitted load per shelf	Kg	25Kg
Maximum Permitted total load	Kg	75Kg
Accessories	-	-
Printer Report Program	-	Optional
2 x 24 characters LCD Display	-	Optional
Access Port 30 mm	-	Optional
Castors, lockable	-	Yes
Power Consumption	-	-
Nominal Power	W	950
Nominal Voltage	V	220-230 Volts, 50 Hz Single Phase
Frequency	Hz	50

## Data Acquisition And Control System For Bod Incubators

### Universal Digital Data Recorder with Computer

This is unique module which can be incorporated with our bod incubators to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

## Features

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print out of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.
- Walk in Incubator Suppliers





An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485

WHO: GMP Products | GLP Compliant Products

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