

Encouraged By Your Overwhelming Endorsement  
**FOR OUR *rapid* RANGE OF EVAPORATORS...**



**...We Have Expanded Our Footprints**

# PRESENTING

## Microbiology & Laboratory Focused Instruments



# Fortune<sup>TM</sup>

Trusted Quality, Trusted Expertise

## Fortune<sup>TM</sup> Range

### Microbiology

#### Focused Instruments

- Autoclave
- BOD Incubator
- Incubator
- Laminar Airflow
- Oil Bath
- Biosafety Cabinet

### Laboratory

#### Focused Instruments

- Deep Freezer
- Dehumidifier
- Environmental Test Chamber
- Hot Air Oven
- Hot Plate
- Melting cum Boiling Point Apparatus
- Muffle Furnace
- Orbital Shaking Incubators
- Tray Drier
- Ultra-Cryostat
- Water Bath
- Water Bath Incubator Shaker
- Plant Growth Chamber

## Trusted Product Quality



Fortune Range is manufactured by a team of professionals with proven experience & expertise in manufacturing microbiology & lab focused instruments since over two decades.

## Trusted Service Quality



Fortune Range backed by highly experienced and trained Tech Support Team based at all key locations in India i.e Mumbai, Delhi, Chennai, Bangalore, Hyderabad & Ahmedabad, Providing quick & reliable service.

## Trusted Range



Fortune Range provides a **One stop shop** for your all your needs for microbiology & laboratory focused instruments.

## Trusted Expertise



Fortune range is backed by high quality experts who can provide consultation related to Microbiology, Lab set-up, Instruments.

**Application :** Pharma, Food, Cosmetic and textile Industries

**Similar Names :** Humidity Chamber / Stability Chamber

**Technical Specification / Description :**

- Stability Chambers are designed as per ICH Guidelines for precise monitoring of temperature and humidity conditions required for long term, intermediate & accelerated stability studies at Chemical, Pharmaceutical, Agrochemical Manufacturing and R&D facilities.
- Manufactured to comply with GMP requirements.



## SALIENT FEATURES

- Fulfills storage conditions of 25°C “ 60% RH, 40°C “ 75% RH, 30°C “ 65% RH, 25°C “ 40% RH
- Precise monitoring of temperature and humidity conditions
- Powerful fan motor for forced air circulation to maintain uniform conditions inside chamber within permissible limit Heating by long life SS tubular heaters
- Hermetically sealed Compressor with CFC free refrigerant.
- Chamber calibration port on side
- Adjustable trays
- Microprocessor controller with LCD display & capacitance type sensor
- 7 " attractive LCD display for direct display of humidity & temperature
- Auto tuning of controller
- Settable High / Low alarm points
- High temperature safety cut-off & alarms for high/low set parameters
- Low water level alarm and power cut-off of boiler tank heater
- Time delay for compressor switch on
- Overload cut off relay for compressor

## SOFTWARE

- Support Multiple Chambers on single Installation
- Auto Start-up on PC Power-Up
- Online Display of Process Values, Stored Records in Graphical & Tabular Forms with Alarm Indicators
- Mean Kinetic Temperature (MKT) Computation
- Automatic Periodic Downloading of records stored in controller
- Access Control According to Authority level
- User Actions with Signing & Authorization
- Automatic Password Expiry
- Manual & Auto Back-Up Facility with archiving
- Data log Reports with Configuring Title ,Footer & Header
- Audit Trail History of Critical Events & User Actions

## Optional :

- Data logger for 8 point (4+4) or / 16 point (8+8) temperature / humidity recording with sensor, printer interface and software
- Standby Sensors & Control Gadgets
  - A) Analog inputs for Standby Temperature & Humidity Sensors
  - B) Control Outputs for Standby Air Heater, Boiler Heater & Compressor
  - C) Inbuilt Algorithm to Detect Sensor / Control Gadget Failure & Automatic Change Over to Standby Set
  - D) Facility for Manual Change-Over Between Main & Standby Sensors Control Gadget
- Password Protected Door Opening & Status Monitoring
- Mains Power-Fail Monitoring
- Validation Protocol - IQ/OQ/PQ Documentation.

## Optional :

**OUTER MADE OF GALVANIZED STEEL POWDER COAT PAINTED AND INNER MADE OF SS 316 QUALITY:**

Size	Dimension (H*W*D)	CAPACITY
6 ft <sup>3</sup>	820 X 500 X 430 MM	170 Ltr
8 ft <sup>3</sup>	870 X 500 X 5230 MM	226 Ltr
10 ft <sup>3</sup>	970 x 580 x 500 MM	250 Ltr
12 ft <sup>3</sup>	1020 x 620 x 530 MM	325 Ltr

**OUTER ALSO MADE OF SS 304 QUALITY**

## Technical Specifications

<b>NO. OF TRAYS</b>	Depends on size
<b>TEMPERATURE RANGE &amp; ACCURACY</b>	10° C to 60°C & ± 2°C
<b>HUMIDITY RANGE</b>	40% to 95%
<b>TEMPERATURE &amp; HUMIDITY CONTROL</b>	Micro PLC Controller
<b>SENSOR</b>	Humidity Sensor
<b>DISPLAY</b>	7" TFT
<b>TEMPERATURE &amp; HUMIDITY VARIATION ALARM</b>	User Defined
<b>COMPRESSOR</b>	Depends on size
<b>HEATERS</b>	Air Heaters with Fins
<b>BOILER HEATERS</b>	Refractory Type, Immersion Heater
<b>ILLUMINATION</b>	8W LED Bulb
<b>SAFETY CUT – OFF</b>	Imported Capillary Thermostat
<b>INTERNAL BODY MATERIAL</b>	SS 316 Quality
<b>OUTER BODY MATERIAL</b>	SS 304 quality
<b>INSULATION</b>	Glass wool
<b>SUPPLY</b>	220 V 50 Hz AC

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