

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



...We Have Expanded Our Footprints

PRESENTING

Microbiology & Laboratory Focused Instruments



FortuneTM

Trusted Quality, Trusted Expertise

FortuneTM Range

Microbiology

Focused Instruments

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

Laboratory

Focused Instruments

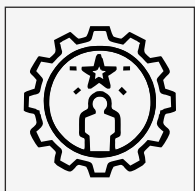
- Deep Freezer
- Dehumidifier
- Environmental Test Chamber
- Hot Air Oven
- Hot Plate
- Melting cum Boiling Point Apparatus
- Muffle Furnace
- Orbital Shaking Incubators
- Tray Drier
- Ultra-Cryostat
- Water Bath
- Water Bath Incubator Shaker
- Plant Growth Chamber

Trusted Product Quality



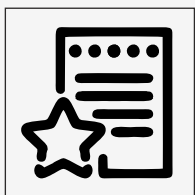
Fortune Range is manufactured by a team of professionals with proven experience & expertise in manufacturing microbiology & lab focused instruments since over two decades.

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 : Microbiology Labs.

Similar Names : Steriliser

Technical Specification / Description :

- Construction :- Boiler, Lid, Work Basket are made of Stainless Steel & Argon arc welded.
Outer :- Heavy Gauge polished Stainless Steel.
- Electrically heated with ISI heaters.
- Pressure Gauge, Steam release cock, Safety valve/Extra safety valve are fitted on the lid.
- Single piece moulded silicon gasket.
- Bottom drain with valve.
- Operating pressure 15 lbs/inch² - 220V AC

Optional :

- **Electronic water level cut off device.**
Automatic cut off device - once the pressure reaches 15 LBS/121°C, the timer starts automatically and exactly after 15 minutes the heating will cut off and the alarm will be on to the set timing.
- Digital controller with mapping, 21 CFR software with F0 value and printing facility.
- Validation at site with hub and probes for desired duration and modes by the customer.
- IQ/OQ/PQ documents

PRESSURE - TEMPERATURE CHART

Pressure	Steam Temperature
7 lbs	110°C
14 lbs	120°C
21 lbs	125°C
25 lbs	130°C

Note : Lifting arrangement of lid is by hand for the first two sizes and for the other sizes by pedal arrangement.

Process cycle for fully automatic autoclaves:

- Once the water is filled, the material loaded, Time & Temperature preset, (15 min / 121°C), Lid tightened and power switched ON, the process is fully automatic to the end.
- Automatic purging (free steaming) taken care of automatically.
- The selected temperature (121°C) is attained.
- Timer countdown start after set temperatures is reached.
- During this period the controller maintains the temperature and pressure by switching OFF and ON the heaters which saves energy.
- After the pre-set 15 minutes, there is an audio alarm the solenoid valve opens to exhaust the steam and the system is reset.

Salient Features of

Micro Processor Controller Model Clavex with Timer

Sequence of Operation as Mentioned Leftside.

Input	RTD (or) PT-100
Temp. Range	0 to 150°C
Inbuilt Timer	0 to 999 sec selectable
4 Digit Display	0.5" - 7 segment LED to display (Process / Setting Value)
Control Output	1. Heater 2. Air Outlet 3. Alarm
Size (mm)	48 X 48 X 100
Enclosure	Plastic

Technical Specifications

INTERNAL SIZE	10" X 18"	14" x 22"	18" x 26"	22" x 30"
CAPACITY (Ltr)	23	55	108	180
EXTERNAL SIZE (mm)	575 X 350	675 x 450	775 x 550	875 X 650
HEATER RATING	2 KW	2 KW	4 KW	6 KW
PRESSURE GAUGE	2"	2.5"	2.5"	3"
SAFETY VALVE	Yes	Yes	Yes	Yes
RELEASE VALVE	Yes	Yes	Yes	Yes
SOLEINOID VALVE	Yes	Yes	Yes	Yes
FLOAT	SS	SS	SS	SS
TEMPERATURE CONTROLLER	Clavex	Clavex	Clavex	Clavex
SENSOR	PT-100 Type	PT-100 Type	PT-100 Type	PT-100 Type
INDICATOR (mm)	16	16	16	16
WORKING BASKET	8" X 14"	12" X 18"	16" X 22"	20" X 26"
POWER	15 AMPS	15 AMPS	25 AMPS	32 AMPS
MAINS	220 VAC	220 VAC	220 VAC	3 PHASE

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