

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.

Muffle Furnace

Application : Minerals, Metals, Inorganic labs, Pharma and Cosmetic Industries

Technical Specification / Description :

- Light weight model with ceramic wool insulation maximum working Temperature upto 930°C and recommended regular working Temperature not exceeding 850°C.
- Kanthal element is wound over the muffle and well insulated.
- Temperature is controlled by Digital Temperature Controller cum Indicator suitable thermocouple is provided.
- Heating elements are made of Kanthal wire special high temperature alloy to ensure uniform distribution of heat.
- Power required:- 220/230 A.C.



MUFFLE FURNACE : 1000°C GMP MODEL

- Light weight Model complete made of Stainless Steel 304 quality with tubular structure with ceramic insulation grooved type .
- Inner chamber is made of silluminate grooved refractory for supporting the heating elements on four sides.
- Heating elements are made of imported Kanthal A1 wire and easily replaceable.
- Recommended regular Working temperature is 1000°C. complete with Microprocessor Based Digital Temperature Controller cum Indicator with, thermocouple.
- Works on 230 Volts AC.

MUFFLE FURNACE : 1000°C

- Light weight Model with ceramic insulation grooved type outer body made of thick mild steel sheet.
- Inner chamber is made of Silluminate grooved refractory for supporting the heating elements on four sides.
- Heating elements are made of imported Kanthal wire and easily replaceable.
- Recommended regular Working temperature is 1000° with Microprocessor.
- Based Digital Temperature Controller cum indicator. Thermocouple is also provided. Works on 200/220 Volts AC.

MUFFLE FURNACE – 930°C GMP MODEL

- Light weight model completely made of Stainless Steel 304 with tubular structure, ceramic wool insulation, maximum temperature upto 1000°C, recommended regular working temperature not to exceed 930°C.
- Temperature is controlled by Digital Temperature Controller cum Indicator
- Suitable thermocouple is provided.
- Heating elements are made of kanthal wire special high temperature alloy and wound over the muffle and well insulated to ensure uniform distribution of heat.
- Works on 220/230 Volts AC.

MUFFLE FURNACE : 1200°C

- Working temperature 1100°C.
- This furnace is insulated with ceramic fiber blanket of high density for better insulation.
- The furnace can run continuously at 1100°C. Furnace is quick heating type, light in weight, table mounting type compact design.
- Elements are placed on all the four sides inner chamber grooved type made of silluminat refractory.
- Outer body made of GI sheet nicely painted the door is also insulated with ceramic fiber to avoid heat losses from the door.
- Heating Elements are made of Nichrome / Kanthal A1 .
- The furnace is fitted with digital temperature controller cum indicator to avoid overheating.
- A suitable thermocouple is also provided. For long life and trouble free working the panel is mounted on the bottom of the furnace.
- Size (W*H*D) :** 6" x 6" x 12"
Recommended Regular Working Temperature Range: 1100°C.

Optional :

- Controller with printing facility
- IQ/OQ/PQ documents.

MUFFLE FURNACE: 1200°C (SPECIAL TYPE)

- The muffle furnace has an external wall made of mild steel sheet and finished in powder coating paint.
- Inner chamber is formed by high temperature with standing Vaccum board followed by ceramic Fiber blankets on all sides.
- The door is made of double wall and is mounted on heavy duty hinges in the front.
- The door is provided with a limit switch to cut off the power supply.
- When the door is opened, This will restart after closure.
- Temperature is maintained and controlled by Digital PID temperature controller with Thyristor Control Device working in conformity with (PT/PT-RH 13%) thermocouple.
- Heating Elements are Made of silicon carbide rod Supplied with a control panel with other accessories.

Specifications:	
Size	12" x 6" x 6"
Rating	3 KW
Heating Elements	By Silicon Carbide Rods.
Operating Temperature	1200°C

Technical Specifications

INTERNAL SIZE	4" X 4" X 9"	5" X 5" X 10"	6" x 6" x 12"
	10 x 10 x 23 cm	13 x 13 x 25 cm	15 x 15 x 30 cm
EXTERNAL SIZE (W*D*H)	20" X 26" X 26"	22" X 28" X 28"	24" X 30" X 30"
HEATING LOAD	2KW	3KW	3.5KW
HEATING ELEMENT	Kanthal A1	Kanthal A1	Kanthal A1
INNER CHAMBER	Silluminat Brick	Grood Type	Grood Type
MOUTH	HFK Brick	HFK Brick	HFK Brick
INSULATION	Ceramic Fiber Blanket	Ceramic Fiber Blanket	Ceramic Fiber Blanket
CONTROLLER	PID	PID	PID
SENSOR	Thermocouple-k Type	Thermocouple-k Type	Thermocouple-k Type
POWER CONSUMPTION	10 AMPS	15 AMPS	15 AMPS
MAINS	220 VAC Single Phase	220 VAC Single Phase	220 VAC Single Phase

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