

BIOSAFETY CABINET CLASS II (TYPE A2)**Model No.: TELLP-075**

- Biosafety Cabinets are specialized workstations widely used in clinical, pharmaceutical, life science and industrial laboratories where experiments need highly contaminant free environment.
- Personnel protection from harmful agents inside the cabinet.
- Product protection to avoid contamination of the work, experiment or process.
- Environment Protection.
- Sound level no more than 65 dbA.
- The Unit is suitable for CLASS 100 conditions.
- Outer body made of Board laminated with sunmica top OR MS Powder Coated OR Stainless Steel 304 Grade.
- 70% of the air is re-circulated through the HEPAfilter.
- The contaminated air is drawn by the blower through the plenum of the cabinet.
- 30% of the air is exhausted from work area.
- Filtered Exhaust protects ambient environment, and avoids build up, air borne particles.
- The exhaust of Safety Cabinet is connected to the Virus Burn out Unit for product and personnel protection.
- Air is drawn through Pre-Filter and is made to pass through high effective HEPA(High Efficiency Particular Air) filters.
- HEPA filters efficiency 99.97% for particle size 0.3 microns.
- Inflow velocity remains approx. 105 fpm (0.5 m/sec), while down flow velocity remains approx. 55 fpm (0.3 m/sec). 70 % air is re-circulated and 30% exhaust.
- Fitted with Motor-Blower. Complete with HEPA Filters, Pre filters, Fluorescent Tube, U.V. Tube, Motor Blower, Transparent Acrylic Sheet Front and Side Doors with 5/15 amp socket.
- Power 220-230 Volts AC Supply.

Available Working Table Size:

(a) 2' x 2' x 2'

(b) 3' x 2' x 2'

(c) 4' x 2' x 2'

(d) 6' x 2' x 2'

OPTIONAL

- (a) Static Pressure Manometer
- (b) ULPA Filter in lieu of HEPA Filter
- (c) Exhaust Ducting per running Ft.
- (d) HEPA Filtration at exhaust
- (e) Virus burn out at Exhaust
- (f) Heavy Duty Exhaust System for long ducting
- (g) Gas Burner

BIOSAFETY CABINET CLASS II (TYPE B2)**Model No.: TELLP-076**

- Biosafety Cabinets are specialized workstations widely used in clinical, pharmaceutical, life science and industrial laboratories where experiments need highly contaminant free environment.
- Personnel protection from harmful agents inside the cabinet.
- Product protection to avoid contamination of the work, experiment or process.
- Environment Protection.
- Sound level no more than 65 dbA.
- The Unit is suitable for CLASS 100 conditions.
- Outer body made of Board laminated with sunmica top OR MS Powder Coated OR Stainless Steel 304 Grade.
- 100% of the air is re-circulated through the HEPA filter.
- The contaminated air is drawn by the blower through the plenum of the cabinet.
- Filtered Exhaust protects ambient environment, and avoids build up, air borne particles.
- The exhaust of Safety Cabinet is connected to the Virus Burn out Unit for product and personnel protection.
- Air is drawn through Pre-Filter and is made to pass through high effective HEPA (High Efficiency Particular Air) filters.
- HEPA filters efficiency 99.97% for particle size 0.3 microns.
- Fitted with Motor-Blower. Complete with HEPA Filters, Pre filters, Fluorescent Tube, U.V. Tube, Motor Blower, Transparent Acrylic Sheet Front and Side Doors with 5/15 amp socket.
- Power 220-230 Volts AC Supply.

Available Working Table Size:

(a) 2' x 2' x 2'

(b) 3' x 2' x 2'

(c) 4' x 2' x 2'

(d) 6' x 2' x 2'

OPTIONAL

- (a) Static Pressure Manometer
- (b) ULPA Filter in lieu of HEPA Filter
- (c) Exhaust Ducting per running Ft.
- (d) HEPA Filtration at exhaust
- (e) Virus burn out at Exhaust
- (f) Heavy Duty Exhaust System for long ducting
- (g) Gas Burner

AUTOClave VERTICAL

Vertical autoclaves are also known as top loading sterilizers that come in cylindrical shape. These are widely used in hospitals, Operation Theater (OT), microbiology laboratory for sterilization of various media and cultures.

Stainless steel interior.

ISI marked immersion heating elements.

Up to 121°C temperature range.

Silicone rubber gasket.

Automatic pressure control switch.

Stainless steel basket.

Reliable steam pressure gauges.

Pedal for lid opening.

Water level indicator.

Water inlet & outlet valves.

Standard Fittings

Low water indicator

Automatic pressure switch

Pedal lifting device

Steam release valve

Water outlet valve

Spring loaded safety valve



Model No.: TELLP-001



Model No.: TELLP-002

Technical Specification

SIZES		
Dia. x Height	Volume	Watt
250 mm x 450 mm	22 liters	1 KW
300 mm x 500 mm	35 liters	2 KW
350 mm x 550 mm	50 liters	3 kw
400 mm x 600 mm	75 liters	4 kw
450 mm x 600 mm	95 liters	4 kw
450 mm x 750 mm	120 liters	5 kw
550 mm x 750 mm	175 liters	6 kw

Optional :

Fully stainless steel construction (GMP).

Up to 134°C temperature range

PID temperature controller cum timer with alarm (buzzer)

PLC with HMI interface with data logging

Thermal Printer

Lower water cut-off

HOT AIR OVEN**Model No.: TELLP-014**

- Double Walled Oven Universal (Mettler Type) is low cost options for heating for various experiments in, industries, R&D labs, Pharmaceutical, Food & Beverage Industries and Institutions in the field of Medical, Agricultural and Industrial Research.
- Outer chamber is made of MS/GI powder coated.
- Inner chamber made of stainless steel 304 grade.
- Temperature range of a laboratory hot air oven is +50°C to 250°C.
- Temperature controlled by capillary type thermostat OR PID temperature controller that feature auto-tuning and display both set value (SV) and process value (PV).
- Fitted with PT100 sensor sensitivity of $\pm 0.1^\circ\text{C}$.
- Forced convection system by motor & blowers fitted ensures good mixing, strong dispersion and maintains higher temperature uniformity inside the chamber & no cross contamination.
- Thermal loss is prevented by filling mineral wool (Insulation) in space between the outer body & Inner chamber.
- Door Gasket fixed on the double walled door for proper sealing.
- HEPA filters efficiency 99.97% for particle size 0.3 microns.
- System complete with two ventilation port for control inner air / vapour circulation.
- Heating elements made of high quality Nichrome/Kanthal wire are placed in ribs, at bottom and sides for uniform heat distribution.
- Supplied with 2 shelves.
- Power supply: 220-230 Volts AC supply.

**DIGITAL****THERMOSTAT****Inner Chamber Size (W x H x D) & Capacity**

- (a) 300 x 300 x 300 mm (Capacity 28 Ltr.)
- (b) 355 x 355 x 355 mm (Capacity 45 Ltr.)
- (c) 455 x 455 x 455 mm (Capacity 95 Ltr.)
- (d) 455 x 455 x 605 mm (Capacity 105 Ltr.)
- (e) 455 x 605 x 605 mm (Capacity 120 Ltr.)
- (f) 605 x 605 x 605 mm (Capacity 215 Ltr.)
- (g) 605 x 910 x 455 mm (Capacity 240 Ltr.)
- (h) 605 x 910 x 605 mm (Capacity 325 Ltr.)

Optional: Electronic Timer 99.99 Hours.

ORBITAL SHAKER TABLE TOP**Model No.: TELLP-024**

- Orbital Shakers are widely used in microbiology, chemistry, immunology, biochemistry and molecular biology for basic mixing applications and bacterial suspensions.
- Double walled, outer chamber made of M.S. duly painted with inner chamber made of S.S. Front lid is made up of transparent see through flexi glass.
- A rotary shaker platform is provided at the base of incubator so as to shake Erlenmeyer flasks.
- The motor of the unit has variable speed and is fitted outside of the inner chamber at the base.
- The complete unit is mounted on a sturdy angle iron frame.
- Glass Wool insulation between outer and inner chamber for minimal thermal losses.
- Top Cover made of acrylic sheet enables inspection and monitoring of inner chamber specimens without disturbing the process temperature.
- Fitted with Universal Platform to accommodate clamps of assorted sizes for different capacity of flasks.
- Temperature Controlled by Microprocessor based controller with LED display for Set Value (SV) & Process Value (PV) to select any desired temperature.
- Digital RPM display 50-250 rpm.
- Temperature range 5°C above RT to 60°C +0.5 C.
- Fitted with Air circulating fan.
- Supplied with shaking platform
- Power 220-230 Volts AC Supply.

**Shaking Tray Size**

(a) 450 mm x 450 mm

(b) 550 mm x 550 mm

Optional:

Spare lotus clamps made of SS for holding flasks: 50 ml, 100 ml, 150 ml, 250 ml, 500 ml, 1000 ml

Flake Ice Machine TELLP-IMS-20

Description

Ice flaking machine TELLP-IMS-20 is used to produce ice flakes of capacity 20kg/24hr. Features a slide away access door for easy user access to the produced ice. High quality stainless steel body ensures durability.

Features

- * Flake Ice
- * Air Cooling
- * Stainless Steel 304 Exterior
- * Adjustable Feet
- * Slide Away Access Door
- * World Famous Brand Compressor
- * Fully Automatic Controller
- * Improved Design For Higher Reliability



Model	TELLP-IMS-20
Ice Making Capacity	20kg/24h
Power	280W/220V
Storage Capacity	10kg
Product Dimension	330×470×605mm
Water Supplier	Tap Water
Cooling Type	Fan Cooling
Refrigerant	R134a
Ice Shape	Irregular Crushed Ice
Certification	CE

Flake Ice Machine TELLP-IMS-50

Description

Ice flaking machine TELLP-IMS-50 is used to produce ice flakes of capacity 50kg/24hr. Features a slide away access door for easy user access to the produced ice. High quality stainless steel body ensures durability.

Features

- * Flake Ice
- * Air Cooling
- * Stainless Steel 304 Exterior
- * Adjustable Feet
- * Slide Away Access Door
- * World Famous Brand Compressor
- * Fully Automatic Controller
- * Improved Design For Higher Reliability



Model	TELLP-IMS-50
Ice Making Capacity	50kg/24h
Power	380W/220V
Storage Capacity	15kg
Product Dimension	400×543×720mm
Water Supplier	Tap Water
Cooling Type	Fan Cooling
Refrigerant	R134a
Ice Shape	Irregular Crushed Ice
Certification	CE