

BIO TECHNICS INDIA

MANUFACTURER OF LABORATORY INSTRUMENTS

AN ISO CERTIFIED COMPANY



VERTICAL AUTOCLAVE (BTI-02)



STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (inches)	Cap. in Ltr.	Rating Watts
1.	10 x 18 inch	22	2000
2.	12 x 20 inch	35	2000
3.	14 x 22 inch	52	3000
4.	16 x 24 inch	90	4000
5.	18 x 24 inch	95	4000
6.	18 x 30 inch	120	4500
7.	22 x 30 inch	175	5000
8.	22 x 36 inch	200	6000

- Reliable Convenient Method Of Steam Sterilization.
- Inner Chamber Made Of Thick S. S.
- Outer Chamber Made Of S. S.
- Immersion Type Heater Should Be Provided. Lid Is Made Up Of S. S. and Die Pressed.
- It Is Equipped With Pressure Gauge, Steam Release Valve And Safety Valves.
- This Instrument Supplied With S. S. Basket.
- Pressure Controls By Spring Valves.
- It Is Used For Sterilization Under Working Steam Pressure Upto 15 Psi.
- Fitted With Silicon Rubber Gasket Jointless, To Work On 230 Volts A./ C. Only.
- Foot Lifting Arrangement.

OPTIONAL ACCESSORIES:

- Digital Temperature Indicator Cum Controller with Timer
- Water Level Indicator.
- Pressure cutoff Switch



VERTICAL AUTOCLAVE FULLY AUTOMATIC (BTI-02-A)



STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (inches)	Cap. in Ltr.	Rating Watts
1.	10 x 18 inch	22	2000
2.	12 x 20 inch	35	2000
3.	14 x 22 inch	52	3000
4.	16 x 24 inch	90	4000
5.	18 x 24 inch	95	4000
6.	18 x 30 inch	120	4500
7.	22 x 30 inch	175	5000
8.	22 x 36 inch	200	6000

- Double walled Construction , inner and outer body made up of S.S 304.
- Lid Made Of Thick Stainless Steel Pressure Up To 22 Psi Factory Set At 15 Psi (Temp : 121°C)
- Complete Unit With Automatic Air Purging Digital Temp. Controller & Indication With 0.1 C
- Accuracy/ Resolution With Electronic Digital Timer Range 0 To 99 Min
- Autoclaving Time Cycle Automatically Starts When Set Pressure Is Achieved.
- Automatic Steam Release Once Autoclaving Cycle Complete.
- Complete With Pressure Gauge, Safety Valve Stem Release Valve, And Extra Safety Valve.
- Automatically Cut-off Power To Heater If Water Level Is Not Sufficient Thus Eliminating Heater Burn Out.
- Foot Lifting Arrangement For Lid.
- Provided With S. S. 304 Grade Perforated Basket.



AUTOCLAVE PORTABLE (BTI-03)



CONSTRUCTION:

- Single walled complete made up of S.S 304
- Silicon gasket to prevent leakage
- Kettle heater at bottom for heating
- Supplied with steam release valve and safety valve
- **Analogue presser gauge: 0-30 PSI**
- **Working pressure: 15 PSI.**
- **Working size : 12 dia x 12 height (in inches)**
- **Cap in Ltr : 12 Ltr**
- **Rating Watts : 2000**



BACTERIOLOGICAL INCUBATOR (GMP MODEL) (BTI-04)



STANDARD SIZES AVAILABLE				
S. No.	Sizes Available (inches)	Capacity (ltr)	Rating Watts	No. of shelves
1.	14 x 14 x 14	44	300	2
2.	18 x 18 x 18	90	400	2
3.	18 x 18 x 24	120	750	3
4.	24 x 24 x 24	220	1000	3
5.	24 x 24 x 36	330	1500	4

- Bacteriological incubators are sturdy double walled units.
- Inner chamber made of S.S 316 and outer chamber made up of S.S 304.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made up of high grade air heater.
- Heater fitted on left and right side of the chamber.
- Temp. is controlled by microprocessor PID controller.
- Temp. range is 5°C to 60°C and accuracy: $\pm 0.5^\circ\text{C}$.
- Motorised air circulation fan for uniform temperature throughout the chamber.
- Air ventilations are placed at the right and left side of the inner chamber.
- All the control switches and pilot lamps are fitted on the top panel.
- Special S.S. rod type wire mesh shelves.



ORBITAL SHAKING (BTI-05)



STANDARD SIZES AVAILABLE		
S. No.	Sizes Available (ml)	Tray Size (mm)
1.	8 x 250 ml	325 x 325
2.	8 x 500 ml	325 x 325
3.	4 x 1000 ml	325 x 325
4.	16 x 250 ml	425 x 425
5.	16 x 500 ml	425 x 425
6.	8 x 1000 ml	425 x 425

- For Growing Culture of Micro Organism & Tissue Cell approx Shaking Speed 20 to 200 Orbital strokes per minute.
- Body made up of MS powder coated , tray made up of SS 304.
- **Tray Size:** 325x325
- **Tray Size:** 425 x 425
- Provision Will Be Made for accomodations Conical Flask Of Various Sizes
- With changeable clamp

OPTIONAL ACCESSORIES:

- Digital Rpm Indicator Various
- **Clamp Size:** 250 ml / 500 ml / 1000 ml



ROTARY SHAKER (BTI-05A) (HEAVY DUTY)



Size and no. of flasks	Size and no. of flasks
8 x 250 ml	8 x 500 ml
16 x 250 ml	16 x 500 ml
25 x 250 ml	25 x 500 ml
36 x 250 ml	36 x 500 ml
48 x 250 ml	48 x 500 ml
64 x 250 ml	64 x 500 ml

- **Description:** Heavy duty rotary shaker
- **RPM:** 50-250 RPM
- **Tray:** Made of S.S. 304
- **Body:** Made of M.S. powder coated

OPTIONAL ACCESSORIES:

- Digital RPM Indicator
- Digital timer



B.O.D. INCUBATOR (BTI-06)



STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (ltr)	L X W X H (cm)	No. of shelves
1.	1.5 Cu. ft (40 ltr)	35 x 35 x 35	2
2.	3 Cu ft. (90 ltr)	45 x 45 x 50	2
3.	6 Cu. ft (170 ltr)	50 x 50 x 70	2
4.	10 Cu. ft (280 ltr)	55 x 55 x 90	3
5.	12 Cu. ft (320 Ltr)	60 x 60 x 90	3

- Designed specially biological oxygen demand determination and other applications like general incubation, serum studies and enzyme assays tests.
- Castor wheel mounted cabinet is double walled
- Inner chamber made of S.S. outer chamber made of M.S. with powder powder coating.
- Full length inner glass / Acrylic door permits inspection of specimens with out disturbing the temperature.
- Temp. controlled by digital temp. controller cum indicator. Temperature ranges from 5°C to 60°C with an accuracy of $\pm 0.5^{\circ}\text{C}$.
- This unit is fitted with door operated illumination lamp inside the chamber.
- Equipped with hermitically sealed compressor CFC free.
- Air circulation fan for maintaining temp. uniformity through out of the chamber.
- Flush fitting insulated double walled door has magnetic gasket.
- The chamber is provided with modular removable shelves made of S.S for complete flexibility is used.
- Inner chamber is fitted with refrigeration evaporator, heater and air circulator for creating positive air flow through out the inner chamber for temp. uniformity.
- To work at 230V A.c. only.
- PUF Insulation.



B.O.D. INCUBATOR GMP MODEL (BTI-07)

BIO TECHNICS INDIA



STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (ltr)	L X W X H (cm)	No. of shelves
1.	1.5 Cu. ft (40 ltr)	35 x 35 x 35	2
2.	3 Cu. ft. (90 ltr)	45 x 45 x 50	2
3.	6 Cu. ft (170 ltr)	50 x 50 x 70	2
4.	10 Cu. ft (280 ltr)	55 x 55 x 90	3
5.	12 Cu. ft (320 Ltr)	60 x 60 x 90	3

- Designed specially biological oxygen demand determination and other applications like general incubation, serum studies and enzyme assays tests.
- Castor wheel mounted cabinet is double walled
- Inner chamber made up of S.S. 316 , outer chamber made up of S.S. 304
- Full length inner glass / Acrylic door permits inspection of specimens with out disturbing the temperature.
- Temp. controlled by digital temp. controller cum indicator. Temperature ranges from 5°C to 60°C with an accuracy of $\pm 0.5^{\circ}\text{C}$.
- This unit is fitted with door operated illumination lamp inside the chamber.
- Equipped with hermetically sealed compressor CFC free.
- Air circulation fan for maintaining temp. uniformity through out of the chamber.
- Flush fitting insulated double walled door has magnetic gasket.
- The chamber is provided with modular removable shelves made of S.S for complete flexibility is used.
- Inner chamber is fitted with refrigeration evaporator, heater and air circulator for creating positive air flow through out the inner chamber for temp. uniformity.
- To work at 230V A.c. only.
- PUF Insulation.

OPTIONAL ACCESSORIES:

- 21 CFR with software
- Single channel / four channel datalogger



DIGITAL BULK DENSITY APPARATUS (BTI-09)



- We offer a wide range of Bulk Density Apparatus. These products are highly demanded in the market due to its features such as long service life, corrosion resistance, and its excellent performance.
- Bulk density apparatus is specially designed to study the packing down on powder beds of different pharmaceutical and chemical powders. We offer these at affordable prices.
- **Size to accomodate** : 2 x 50 ml measuring cylinder
(Supplied without cylinder)



BUNSEN BURNER (ELECTRIC) (BTI-10)



- This apparatus consists of heating element.
- It is in conically shaped refractory crucible.
- It is enclosed in an insulated S.S. casting.
- Casing is mounted on top of S.S. cylindrical housing.
- Maximum working temp. is 700°C approximately.
- Temp. controlled by energy regulator.
- To work at 230 Volts AC only.



CONSTANT TEMP. WATER BATH (BTI-11)

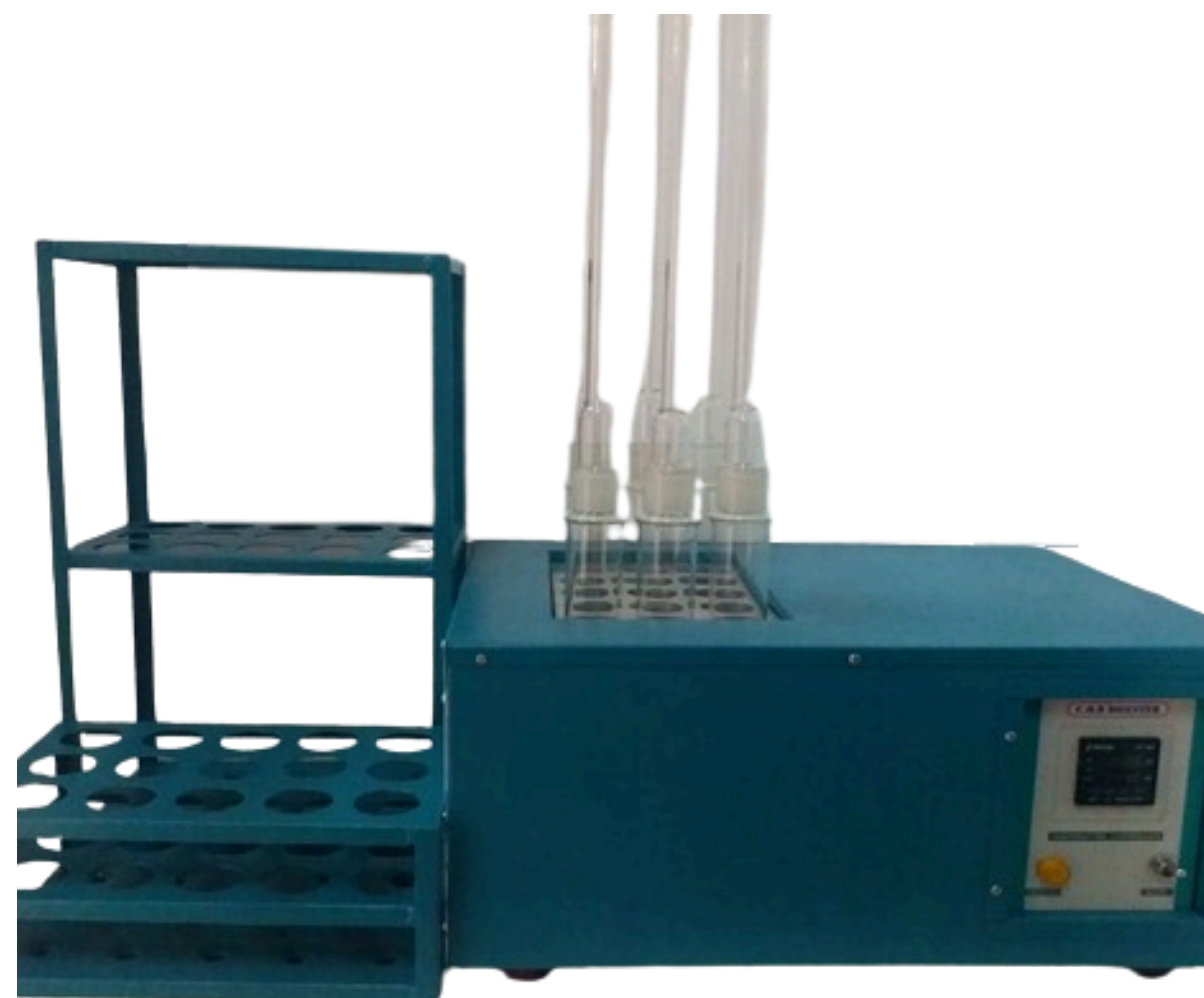


STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (inches)	Capacity (ltr)	Rating Watts
1.	12" x 10" x 8"	20	1500
2.	18" x 12" x 10"	27	2000
3.	18" x 14" x 12"	35	2500

- Double walled in construction.
- Inner chamber and lid made made of stainless steel outer chamber made up of mild steel with powder coating/ complete S.S 304.
- The gap between the chambers filled with high grade glass wool to minimize the heat loss.
- Temp. range from above 5°C ambient to 98°C and temp. controlled by digital temp. indicator cum controller with an accuracy of $\pm 0.5^{\circ}\text{C}$.
- A high speed stirrer with a motor of 1/20 Hp is fitted to the unit for continuous stirring and this can maintain a uniform heating throughout the chamber.
- The heating mechanism comprises of a set of heaters pertaining to fast heating to operated 230 Volts AC only.
- Motorized stirrer for uniform temperature inside the water bath.
- To operate 230 Volts AC only.



COD DIGESTORS (DIGITAL) (BTI-12)



DIGITAL COD DIGESTOR is suitable for COD method for monitoring wastewater influent and effluent, industrial process water, and more. This instrument is used by Pollution control Labs. Outer cabinet made of mild steel duly coated. Double wall construction with insulation for minimum heat losses increases the efficiency of the system. Aluminum Block with holes.

- **Temperature Range :** Above amb. To 180 °C.
- **Resolution :** 1 °C.
- **Display :** Digital 12mm Red LED.
- **Control :** Digital electronic Temp. controller.
- **Heater Rating :** 750 Watts.
- **Sensor :** PT-100
- **Timer :** Selectable 15, 30,45,60,90 or 120 min with alarm
- **Hole Size :** 40mm dia 80mm depth.
- **Glass Tube :** 38 mm .dia, 15 nos (5 x3 rows)
- **Sample Volume :** 150ml, each

WITH BELOW ACCESSORIES FOR 15 TUBES

Glass tubes (15 nos)	Tube Stand (1 no)
Air condenser (15 nos)	Condenser Stand (1 no)

WITH BELOW ACCESSORIES FOR 10 TUBES

Glass tubes (10 nos)	Tube Stand (1 no)
Air condenser (10 nos)	Condenser Stand (1 no)

WITH BELOW ACCESSORIES FOR 6 TUBES

Glass tubes (6 nos)	Tube Stand (1 no)
Air condenser (6 nos)	Condenser Stand (1 no)



DIGITAL FLOCCULATOR (BTI-15)



Model Type	Type
BTI-15A 2 Jar	2 Jar
BTI-15B 4 Jar	4 Jar
BTI-15C 6 Jar	6 Jar

'BTI' Digital Flocculator has been specially designed for use in water treatment plants as jar test apparatus to correctly estimate the dosing of alum and such other coagulants for treatment of water and sewage. It provides identical test condition for all samples. It is suitable for continuous run in any busy laboratory to determine sulphate concentration as well as for measuring suspended matter and colloids general.

'BTI' Flocculator consists of electronically controlled variable speed electronic motor. Speed controller is provided to control stirrers from 30 to 150 RPM. Stainless Steel stirring paddles are provided.

Each stirring shaft can be removed without disturbing the other stirrers. Illuminator Base consists of fluorescent tube mounted below translucent acrylic sheet to provide diffused cold light through floc samples.

- **Speed:** Variable from 30 to 150 with accuracy of ± 1 RPM.
- **Jar:** For 1000 ml x 2/4/6 Nos
- **Paddles:** Stirring paddles made of S.S. 2/4/6 Nos
- **Illumination:** Fluorescent lamps

OPTIONAL:

- Digital RPM Indicator
- Digital Timer



HEATING MANTLE (BTI-19)

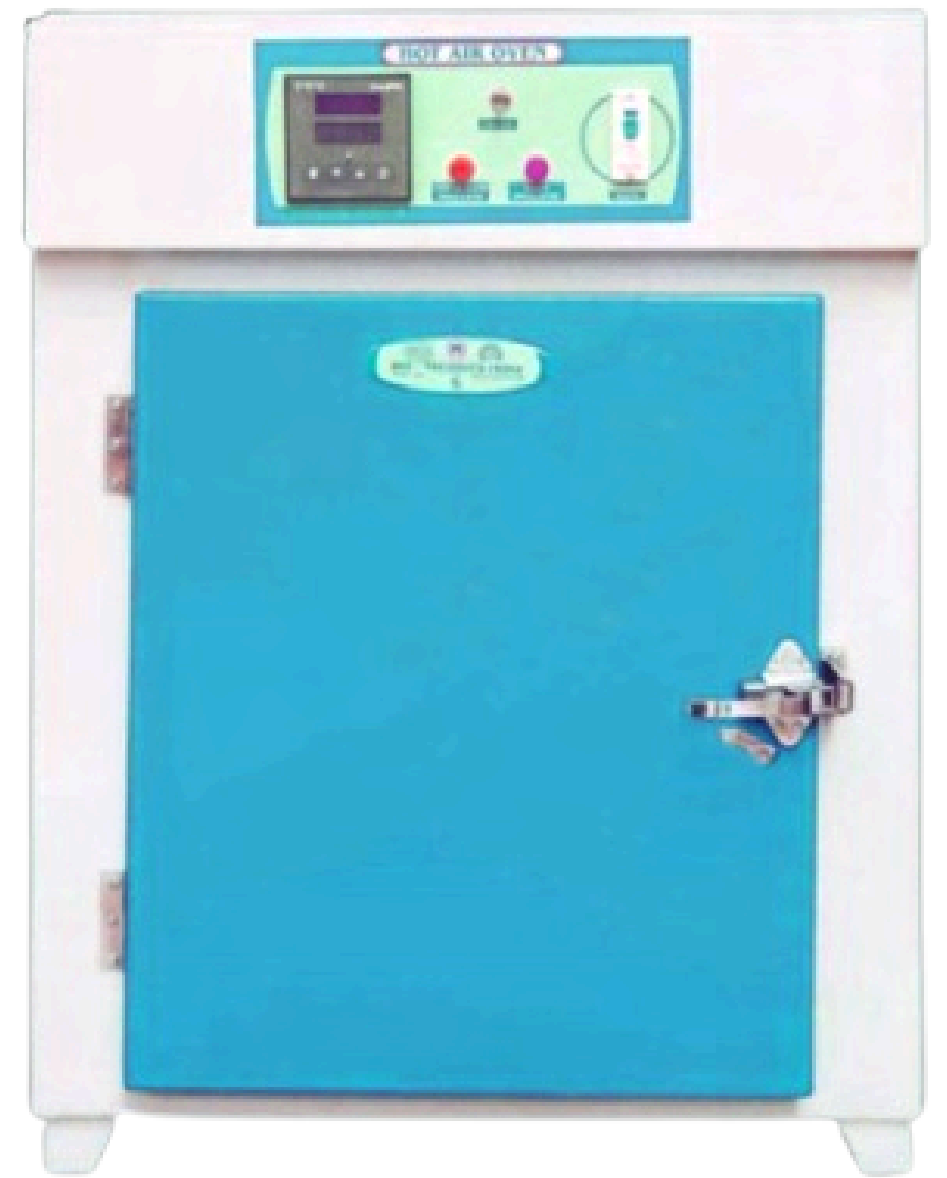


Size available	Rating Watts
250 ml	150
500 ml	200
1 ltr	300
2 ltr	450
3 ltr	500
5 ltr	700
10 ltr	1000
20 ltr	1800

- Body of the mantle made of spun joint less aluminium.
- Heating element knitted fibre glass netting properly insulated.
- Long lasting element made by nichrome wire.
- Maximum surface temp. 300°C.
- Temp. controlled by energy regulator.
- Non breaking nichrome connection having porcelain beads covered to nett.
- Easy to replace the netts.



HOT AIR OVEN (MEMMERT TYPE) (BTI-20)



STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (inches)	Rating Watts	Capacity in Ltr
1.	12" x 12" x 12"	2000	27 Ltr
2.	14" x 14" x 14"	2500	44 Ltr
3.	18" x 18" x 18"	3000	90 Ltr

- Hot air ovens are sturdy tripple walled units.
- Inner chamber made of S.S chamber and outer chamber made of M.S powder coating.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made of high grade chrome plated nichrome wire.
- Temp. is controlled by PID controller dual display.
- Temp. range from 80°C to 400°C and accuracy $\pm 2^\circ\text{C}$.
- Motorized blower for uniform temperature.
- Air ventilations are placed on top of both the sides to remove hot gases/fumes.
- Heaters are placed at the right and left side of the inner chamber.
- All the control switches and pilot lamps are fitted on the front panel.
- Trays should be supplied with S.S. wire mesh.

OPTIONAL ACCESSORIES:

- Digital timer with temperature controller



HOT AIR OVEN GMP (BTI-21)



STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (inches)	Capacity (ltr)	Rating Watts
1.	12" x 12" x 12"	27	1250
2.	14" x 14" x 14"	44	1450
3.	18" x 18" x 18"	90	1750
4.	18" x 18" x 24"	120	2000
5.	24" x 24" x 24"	220	2500
6.	18" x 24" x 36"	250	3000
7.	24" x 24" x 36"	330	3500

- Hot air ovens are sturdy double walled units.
- Inner chamber made of S.S chamber made 316 and outer chamber S.S. 304.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made of high grade chrome plated nichrome wire.
- Temp. is controlled by PID controller dual display.
- Temp. range from 50°C to 250°C and accuracy: $\pm 1^\circ\text{C}$.
- Air ventilations are placed on top of both the sides to remove hot gases/fumes.
- In memmert type units, heaters are placed at the right and left side of the inner chamber.
- All the control switches and pilot lamps are fitted on the front panel.
- Trays should be supplied with S.S. wire mesh.

OPTIONAL ACCESSORIES:

- 21 CFR Software
- Four channel data logger



HOT PLATE ROUND (BTI-22)



Sizes (in inches)	Rating Watts
8	1200
9	1500
12	2000

- Body made up of thick M.S.
- Top plate over hangs by the supporting of ceramic beads which ensures air insulation between plate and base unit.
- Top plate made up of cast iron.
- Maximum surface temperature 300°C.
- Temp. controlled by thermostat.
- Long last nichrome elements.
- Various sizes available.
- To work on 230 Volts A. / C. only.

OPTIONAL ACCESSORIES:

- PID temperature controller for better accuracy



HOT PLATE RECTANGULAR (BTI-23)



Sizes (in inches)	Rating watts
10 x 12	1200
10 x 16	1500
12 x 18	2000
18 x 24	3000

- Body made up of thick M.S.
- Top plate over hangs by the supporting of ceramic beads which ensures air insulation between plate and base unit.
- Top plate made up of cast iron.
- Maximum surface temperature 300°C.
- Temp. controlled by thermostat.
- Long last nichrome elements.
- Various sizes available.
- To work on 230 Volts A. / C. only.

OPTIONAL ACCESSORIES:

- PID temperature controller for better accuracy



HUMIDITY CHAMBER COOLING (BTI-24)



STANDARD SIZES AVAILABLE

S. No.	Sizes	H x W X D
1.	3 Cu. Ft (90 Ltr)	45 x 45 x 50 cm
2.	6 Cu. Ft (170 Ltr)	50 x 50 x 70 cm
3.	10 Cu. Ft (280 Ltr)	55 x 55 x 90 cm
4.	12 Cu. Ft (320 Ltr)	60 x 60 x 90 cm

- Creating ideal conditions for industrial component/ product research and bio technical specification test.
- Most accurate and reliable chamber for long term high temperature and Rh testing.
- Temp. range 10°C to 60°C with an accuracy of $\pm 1^\circ\text{C}$. Relative humidity range 35% Rh to 85% Rh with an accuracy of $\pm 3\%$ Rh.
- A positive vertical air circulation ensures temperature and Rh uniformity.
- Digitally set temperature and humidity controller with direct digital read out in temperature and percentage Rh.
- Low pressure boiler to generate steam for chamber humidification.
- Well balanced refrigeration system CFC Free.
- Double walled construction inner chamber S.S and outside area made up of mild steel beautifully powder coated.
- The chamber is being provided with modular removable shelves made up of S.S for complete flexibility in use.
- A key lockable insulated door having positive door gasket seals door perfectly.
- Control Panel mounted on the top of the unit.
- It works on 230 Volts A.C. only.

OPTIONAL ACCESSORIES:

- For humidity up to 95% RH imported sensor
- Printer interface facility to connect printer
- 21 CFR Software



HUMIDITY OVEN GMP MODEL (BTI-24-A)



STANDARD SIZES AVAILABLE

S. No.	Sizes	H x W x D
1.	3 Cu. Ft (90 Ltr)	45 x 45 x 50 cm
2.	6 Cu. Ft (170 Ltr)	50 x 50 x 70 cm
3.	10 Cu. Ft (280 Ltr)	55 x 55 x 90 cm
4.	12 Cu. Ft (320 Ltr)	60 x 60 x 90 cm

- Creating ideal conditions for industrial component/ product research and bio technical specification test.
- Most accurate and reliable chamber for long term high temperature and Rh testing.
- Temp. range 10°C to 60°C with an accuracy of $\pm 1^\circ\text{C}$. Relative humidity range 35% Rh to 85% Rh with an accuracy of $\pm 3\%$ Rh.
- A positive vertical air circulation ensures temperature and Rh uniformity.
- Digitally set temperature and humidity controller with direct digital read out in temperature and percentage Rh.
- Low pressure boiler to generate steam for chamber humidification.
- Well balanced refrigeration system CFC Free.
- Inner S.S 316 and Outer S.S 304.
- The chamber is being provided with modular removable shelves made up of S.S for complete flexibility in use.
- A key lockable insulated door having positive door gasket seals door perfectly.
- Control Panel mounted on the top of the unit.
- It works on 230 Volts A.C. only.

OPTIONAL ACCESSORIES:

- 21 CFR software with PC connection.
- Printer interface facility to connect printer



BACTERIOLOGICAL INCUBATOR (BOTTOM HEATER) (BTI-25)



STANDARD SIZES AVAILABLE				
S. No.	Sizes Available (inches)	Capacity (ltr)	Rating Watts	No. of shelves
1.	12 x 12 x 12	27	1250	1
2.	14 x 14 x 14	44	1450	2
3.	18 x 18 x 18	90	1750	2

- Incubators are sturdy double walled units.
- Inner chamber made of S.S. and outer made of mild steel with powder coating.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made up of high grade chrome plated nichrome wire.
- Temp. is controlled by thermostat.
- Temp range 5°C above ambient to 60°C and accuracy + 2°C.
- Air ventilations is provided on the top of the unit to remove the hot gases/fumes.
- In lab type incubators heaters are placed in the bottom side of the unit.
- All the control switches and plot lamps are fitted on the front panel.
- Trays should be supplied with G.I. wire mesh.

OPTIONAL ACCESSORIES:

- Digital temp. controller cum indicator in lieu of thermostat with an accuracy of + 0.5°C.
- Air circulation fan for uniform temperature.
- S.S. Trays
- Digital timer with controller



BACTERIOLOGICAL INCUBATOR (BOTTOM HEATER) (BTI-25A)

BIO TECHNIQS INDIA



STANDARD SIZES AVAILABLE				
S. No.	Sizes Available (inches)	Capacity (ltr)	Rating Watts	No. of shelves
1.	18 x 18 x 24	120	750	3
2.	24 x 24 x 24	220	1000	3
3.	18 x 24 x 36	250	1250	4
4.	24 x 24 x 36	330	1500	4

- Incubators are sturdy double walled units.
- Inner chamber made of S.S. and outer made of mild steel with powder coating.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made up of high grade chrome plated nichrome wire.
- Temp. is controlled by PID microprocessor controller dual display.
- Temp range 5°C above ambient to 60°C and accuracy + 0.5°C.
- Motorized air blower for uniform temperature.
- Air ventilations is provided on the top of the unit to remove the hot gases/fumes.
- In lab type incubators heaters are placed in the bottom side of the unit.
- All the control switches and plot lamps are fitted on the front panel.
- Trays should be supplied with G.I. wire mesh.

OPTIONAL ACCESSORIES:

- S.S. Trays
- Digital timer with temperature controller



BACTERIOLOGICAL INCUBATOR (MEMMERT TYPE) (BTI-26)



STANDARD SIZES AVAILABLE				
S. No.	Sizes (inches)	Capacity in Ltr	No. of shelves	Rating Watts
1.	12" x 12" x 12"	27	1	250
2.	14" x 14" x 14"	44	2	300
3.	18" x 18" x 18"	90	2	400
4.	18" x 18" x 24"	120	3	750
5.	24" x 24" x 24"	220	3	1000
6.	18" x 24" x 36"	250	4	1250
7.	24" x 24" x 36"	330	4	1500

- Bacteriological Incubators are sturdy double walled units.
- Inner chamber made up of S.S. and outer made up of mild steel with powder coating.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made up of high grade nichrome wire.
- Temp. is controlled by PID microprocessor dual display.
- Temp range is 5°C above ambient to 60°C and accuracy $\pm 0.5^\circ\text{C}$
- Motorized air blower for uniform temperature.
- Air ventilations are placed on top of both the sides to remove the hot gases/fumes.
- In memmert type units , heaters are placed at the right and left side of the inner chamber.
- All the control switches and pilot lamps are fitted on the front panel.
- Trays should be supplied with S.S. wire mesh.

OPTIONAL ACCESSORIES:

- Digital timer with temperature controller



HOT AIR OVEN (BOTTOM HEATER) (BTI-29)



- Hot air ovens are sturdy double walled units.
- Inner chamber made up of S.S. and outer made up of mild steel with powder coating.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made up of high grade nichrome wire.
- Temp. is controlled by thermostat.
- Temp range is 50°C to 250°C, with working temperature up to 225°C and accuracy $\pm 3-4^\circ\text{C}$ (with digital accuracy $\pm 1^\circ\text{C}$)
- Air ventilations is provided on top of the unit to remove the hot gases/fumes.
- In lab type, oven heaters are placed in the bottom side of the unit.
- All the control switches and pilot lamps are fitted on the front panel.
- Trays should be supplied with G.I. wire mesh.

OPTIONAL ACCESSORIES:

- Digital temp. controller cum indicator in lieu of thermostat with an accuracy of $\pm 1^\circ\text{C}$.
- Air circulation fan for uniform temperature.
- S.S Trays
- Digital timer with temperature controller



HOT AIR OVEN (BOTTOM HEATER) (BTI-29A)



STANDARD SIZES AVAILABLE				
S. No.	Sizes Available (inches)	Capacity (ltr)	Rating Watts	No. of shelves
1.	18 x 18 x 24	120	2000	3
2.	24 x 24 x 24	220	2500	3
3.	18 x 24 x 36	250	3000	4
4.	24 x 24 x 36	330	3500	4

- Hot air ovens are sturdy double walled units.
- Inner chamber made up of S.S. and outer made up of mild steel with powder coating.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made up of high grade nichrome wire.
- Temp. is controlled by PID microprocessor controller.
- Temp range is 50°C to 250°C , with working temperature up to 225°C and accuracy $\pm 1^\circ\text{C}$.
- Motorized air blower for uniform temperature.
- Air ventilations is provided on top of the unit to remove the hot gases/fumes.
- In lab type, oven heaters are placed in the bottom side of the unit.
- All the control switches and pilot lamps are fitted on the front panel.
- Trays should be supplied with G.I. wire mesh.

OPTIONAL ACCESSORIES:

- S.S Trays
- Digital timer with temperature controller



HOT AIR OVEN (MEMMERT TYPE) (BTI-30)



STANDARD SIZES AVAILABLE				
S. No.	Sizes (inches)	Capacity in Ltr	No. of shelves	Rating Watts
1.	12" x 12" x 12"	27	1	1250
2.	14" x 14" x 14"	44	2	1450
3.	18" x 18" x 18"	90	2	1750
4.	18" x 18" x 24"	120	3	2000
5.	24" x 24" x 24"	220	3	2500
6.	18" x 24" x 36"	250	4	3000
7.	24" x 24" x 36"	330	4	3500

- Hot air ovens are sturdy double walled units.
- Inner chamber made up of S.S. and outer made up of mild steel with powder coating.
- Gap between the walls fitted with glass wool insulation to avoid heat losses.
- Heating elements are made up of high grade nichrome wire.
- Temp. is controlled by PID microprocessor controller with dual display.
- Temp range is 50°C to 250°C , with working temperature up to 225°C and accuracy $\pm 1^\circ\text{C}$.
- Motorized air blower for uniform temperature.
- Air ventilations is provided on top of the unit to remove the hot gases/fumes.
- In memmert type unit, heaters are placed at the right and left side of the inner chamber.
- All the control switches and pilot lamps are fitted on the front panel.
- Trays should be supplied with S.S. wire mesh.

OPTIONAL ACCESSORIES:

- Digital timer with temperature controller



VERTICAL LAMINAR AIR FLOW (BTI-31)



PARAMETERS	MODEL VM-2	MODEL VM-3	MODEL VM-4
Work Table size (usable space) feet	2 x 2	3 x 2	4 x 2
Chamber height feet	2	2	2
Side Panels	6 mm aluminium framed transparent acrylic		
Hepa filter type	DOP Tested		
No. of hepa filters	1	1	1
Hepa filter dimensions inches	24 x 24 x 6	36 x 24 x 6	48 x 24 x 6
Hepa filter efficiency	99.97 % removal of 0.3 micron		
Hepa filter media	Non-woven micro fiber glass pleated paper		
Hepa filter initial pressure	<25 mwg		
No. of washable pre filter	1	1	1

- **Pre filters efficiency:** 90% removal of 10 micron particle size
- **Static Pressure indicator:** Manometer- oil filled
- **Air flow velocity:** 90 ± 20 Feet per minute at discharge
- **Air circulation:** Balanced blowers fitted with direct driven FHP motor (for variable air flow speed in accordance with filter loading)
- **Inner chamber sterilization:** Through UV-Germicidal tube
- **Inner chamber illumination:** Fluorescent tube light
- **Noise level:** <60 db
- **Operating voltage:** 220-230 Volts AC single phase 50Hz
- **Work table top:** Satin stainless steel finish
- **Gas Cork:** For gas
- **Other models:** Horizontal Flow
- **Test Certificate:** D.O.P. Test Certificate (at extra cost)



HORIZONTAL LAMINAR AIR FLOW (BTI-31)



PARAMETERS	MODEL HM-1	MODEL HM-3	MODEL HM-4
Work Table size (usable space) feet	2 x 2	3 x 2	4 x 2
Chamber height feet	2	2	2
Side Panels	6 mm aluminium framed transparent acrylic		
Hepa filter type	DOP Tested		
No. of hepa filters	1	1	1
Hepa filter dimensions inches	24 x 24 x 6	36 x 24 x 6	48 x 24 x 6
Hepa filter efficiency	99.97% removal of 0.3 micron		
Hepa filter media	Non-woven micro fiber glass pleated paper		
Hepa filter initial pressure	<25 mwg		
No. of washable pre filter	1	1	1

- **Pre filters efficiency:** 90% removal of 10 micron particle size
- **Static Pressure indicator:** Manometer- oil filled
- **Horizontal air flow velocity:** 90 ± 20 Feet per minute at discharge
- **Air circulation:** Balanced blowers fitted with direct driven FHP motor (for variable air flow speed in accordance with filter loading)
- **Inner chamber sterilization:** Through UV-Germicidal tube
- **Inner chamber illumination:** Fluorescent tube light
- **Noise level:** <60 db
- **Operating voltage:** 220-230 Volts AC single phase 50Hz
- **Work table top:** Satin stainless steel finish
- **Gas Cork:** For gas
- **Other models:** Vertical Flow
- **Test Certificate:** D.O.P. Test Certificate (at extra cost)



LEAK TEST (BTI-32)



UNIQUE FEATURES

- Extremely "COMPACT" construction
- Lasting vacuum pump
- Polycarbonate vacuum dessicator
- Stainless Steel (GMP) Construction
- Vacuum level up to 22" of HG

Ideal instrument to check blister packs, strips for leak test. The old method of separate dessicator and vacuum pump is replaced with this new leak test apparatus in GMP Stainless steel body with phenomenal compactness the instrument is equipped with long lasting "INDIAN" vacuum pump which gives higher level of vacuum in shortest possible time. Die pressed polycarbonate vacuum dessicator sustains vacuum of long time. A vacuum gauge is provided to indicate vacuum level which is connected to isolation valve to disconnect the source, thus avoding the need of continuous running od vacuum pump. A 0-5 minute timer helps the operator to do the other work and its amazing compactness saves alot of valuable place in its process laboratories.

SPECIFICATIONS:

- **Dessicator dia:** 8" / 10" / 12"
- **Vacuum level:** 22" Hg
- **Dessicator:** Polycarbonate
- **Rating:** 5A 230V single phase
- **Timer:** 5 minute digital
- **Body:** Fully stainless steel



MAGNETIC STIRRER (BTI-33)



SPECIFICATION:

- **Top covers** : S.S.304
- **Max Stirring Cap** : 2 MLH
- **Speed Range** : 100 to 1000 RPM
- **Temp. Range** : 40 °C to 120 °C
- **Power Supply** : 230 Volts, 50 H2
- **Construction** : Top cover made of S.S 304 and body made of M.S. Powder coated.
- **Temperature controlled by** : Energy Regulator



MUFFLE FURNACE GMP (BTI-35)



STANDARD SIZES AVAILABLE

S. No.	Sizes Available (inches)	Rating Watts
1.	9" x 4" x 4"	2000
2.	10" x 5" x 5"	2500
3.	12" x 6" x 6"	3500

- It Is Light Weight And Fast Heating Equipment.
- Most Useful For Ashing, Fusions, Igniting And Heat Treating Of Small Parts In Chemical, Industrial Fields, Colleges.
- Out side made of S. S. 304 matt finish.
- Maximum Temperatures 1050°C & Working Temperature 1000°C.
- Temp. Controlled By Digital Temperature Controller Cum Indicator.
- Heating Elements Made Of Kenthal Wire Would Extremely On The Muffle.
- Control Panel Fitted On Top Of The Units With Indicating Lamps & Switches.
- A Uniform Heat Distribution Through All 4 Sides With Kenthal Wire.
- A Special Solid State Thermocouple Fuse For Protection To Elements In Case Of Over Heating.
- Operates On 230 Volts A.C Only.
- Various Sizes Available.



MUFFLE FURNACE (BTI-36)



STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (inches)	Sizes Available (cm)	Rating Watts
1.	9" x 4" x 4"	23 x 10 x 10 cm	2000
2.	10" x 5" x 5"	25 x 13 x 13 cm	2500
3.	12" x 6" x 6"	30 x 15 x 15 cm	3500

- It is light weight and fast heating equipment.
- Most useful for ashing, fusions, igniting, and heat treating of small parts in chemical, industrial fields, colleges.
- Outside body made up of heavy gauge G.I. duly powder coated inner muffle with high temp. insulating material.
- Maximum temperature 1150°C and working temperature 1100°C.
- Temp. controlled by digital temperature controller cum indicator.
- Heating elements made up of kenthal wire would be extreme on the muffle.
- Control Panel fitted on top of the units with indicating lamps and switches.
- A uniform heat distribution through all four sides with kenthal wire.
- A special solid state thermocouple fuse for protecting elements in case of over heating.
- Operates on 230 Volts A.c. only.
- Various sizes available.

OPTIONAL ACCESSORIES:

- Digital timer with temperature controller



OIL BATH WITH DIGITAL CONTROLLER (BTI-37)



Cap in Ltr	Inner working size of Oil bath (Size in inches)	Rating watts
1 Ltr	8" x 6"	1000
2 Ltr	8" x 8"	1200
3 Ltr	9" x 9"	1500
5 Ltr	10" x 10"	1500
10 Ltr	12" x 12"	2000

SPECIFICATION:

- **Construction:** Double walled outer body made of mild steel powder coated / stainless steel & Inner body made of stainless steel 304
- Special class glass wool insulation to prevent loss of heating
- Special Teflon wiser oil heater made of S.S 304
- Temperature controller by PID microprocessor controller
- Accuracy +/- 2 °C
- Temperature range 50 °C to 300 °C



ORBITAL SHAKING INCUBATOR (BTI-38)



S.No	Capacity
A.	9 x 250 ml
B.	16 x 250 ml
C.	9 x 500 ml
D.	16 x 500 ml

- **Inner chamber :** Stainless Steel 22 swg. 304 quality
- **External :** Mild Steel power coated
- **Range :** 10°C to 60°C
- **Controller :** Electronics Display digital temperature controller
- **Sensor :** PT-100
- **Accuracy :** +/- 0.5°C
- **Uniformity :** +/- 1.0°C
- **Compressor :** Hermetically sealed brand new kirloskar compressor
- **Air heater :** Special type S.S. tubular air heaters with fins
- **Air circulation :** Forced air circulation from back well
- **Cool down time:** 45 min , upto 10°C without load from ambient
- **Heat up time :** 30 min, upto 60°C without load from ambient
- **DC Drive :** Digital RPM Indicator cum controller
- **Shanking :** Stroke length 25 mm (standard)
- **RPM :** 50 to 200 RPM
- **Lotus Clamps :** S.S. Clamps having spring tension for holding flasks
- **Insulation :** Puf Insulation
- **Door Gasket :** Magnetic Gasket
- **Electric requirements :** AC 230 V and 50 Hz cycle

INDIA

BIO TECHNIQS



ORBITAL SHAKING INCUBATOR (BTI-39)

BIO TECHNICS INDIA



Capacity	Rating Watts
8 x 250 ml	1000
16 x 250 ml	1500
8 x 500 ml	1000
16 x 500 ml	1500

- **Inner chamber** : Stainless Steel 22 swg. 304 quality
- **Outer chamber** : Mild Steel power coated
- **Range** : 5°C above ambient to 60°C
- **Controller** : Electronics Display digital temperature controller
- **Sensor** : PT-100
- **Accuracy** : +/- 0.5°C
- **Uniformity** : +/- 1.0°C
- **Compressor** : Hermetically sealed brand new kirloskar compressor
- **Air heater** : Special type S.S. tubular air heaters with fins
- **Air circulation** : Forced air circulation from back well
- **Heat up time** : 30 min, upto 60°C without load from ambient
- **DC Drive** : Digital RPM Indicator cum controller
- **Shanking** : Stroke length 20 mm, 25 mm (standard),40 mm
- **RPM** : 50 to 200 RPM
- **Lotus Clamps** : S.S. Clamps having spring tension for holding flasks
- **Insulation** : Glass wool
- **Door Gasket** : Silicon Gasket
- **Electric requirements** : AC 230 V and 50 Hz cycle



WATER BATH SEROLOGICAL WITH DIGITAL CONTROLLER (BTI-40)



- **Construction :** Outer body made up of S.S /M.S and inner body made up of S.S 304
- **Insulation :** Glass wool insulation between two walled
- **Temperature Rise :** 5°C above room temperature to 60°C
- **Temperature Accuracy :** +/- 0.5°C
- **Sizes Available :** 2 rack (size 10" x 7" x 6" inches)
4 rack (size 14" x 7" x 6" inches)
(SUPPLIED WITH TEST TUBE RACKS)
- **Optional :** PID microprocessor controller
Pyramid Lid



SOXHLET EXTRACTION HEATING MANTLE (BTI-41)



Size (in ml)	Rating Watts
250 ml x 3	450
500 ml x 3	600
1 ltr x 3	900
250 ml x 4	600
500 ml x 4	800
1 ltr x 4	1200
250 ml x 6	900
500 ml x 6	1200
1 ltr x 6	1800

DIFFERENT SIZES

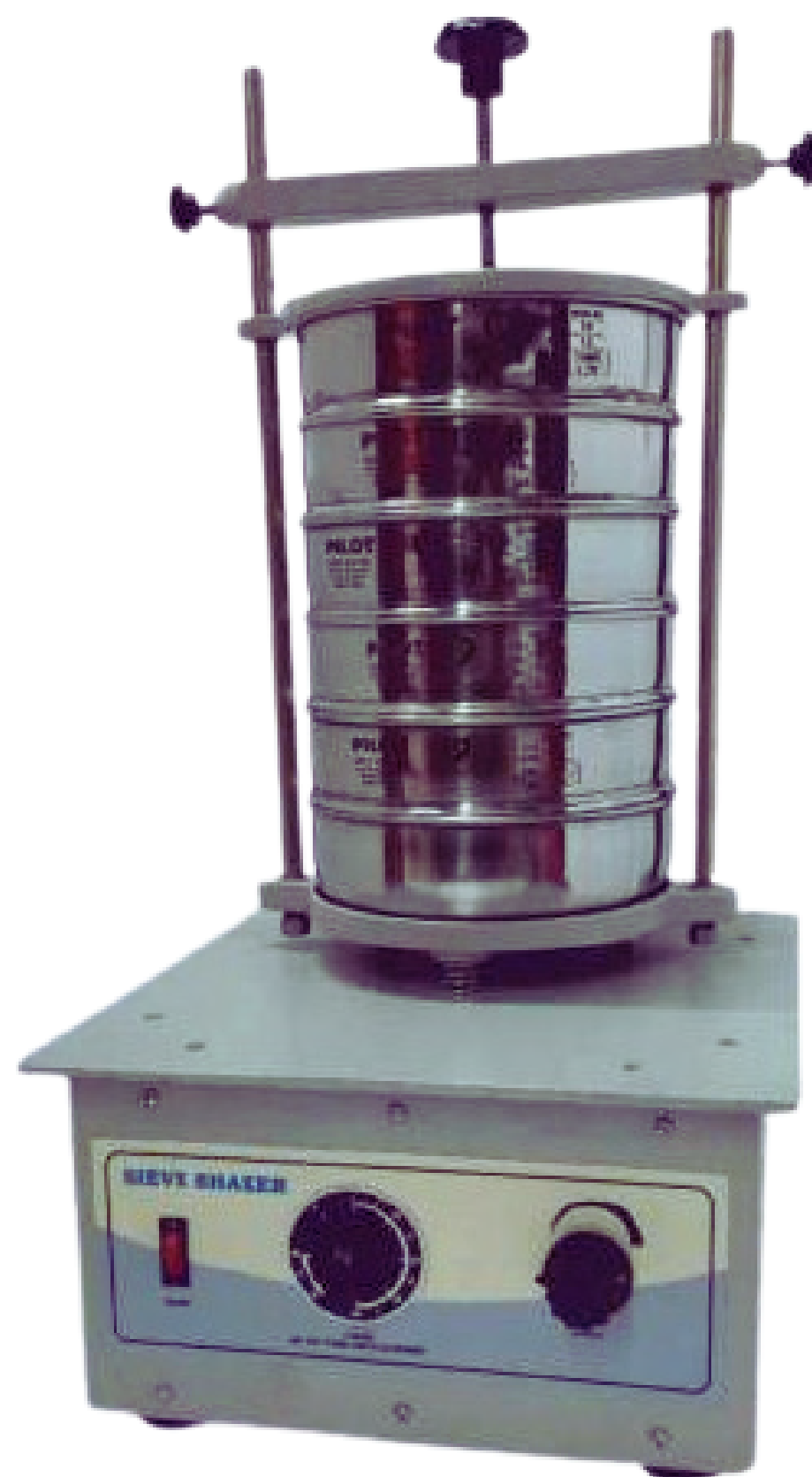
AVAILABLE:

- 250 ml, 500 ml and 1 ltr capacity
- This instrument has a capacity of 3,4,6 round bottom flasks with temperature controlled by single regulator and with individual regulators .

- This apparatus is suitable to heat Soxhlet flasks of 250 ml to 1000 ml. Glass wool insulation is used below the elements in mild steel housing , which is powder coated with attractive color. The housing has two retort rods and a crossbar. This apparatus has a built in regulator which controls the heater. The heating elements have individual on/off switches and a pilot lamp to indicate working of the elements. This apparatus requires a 230 Volts , 50 Hz single phase supply. It has various sizes available in it.
(Supplied without glass part and clamp and bosshead)



TABLETOP SHIEVE SHAKER (BTI-46)



UNIQUE FEATURE :

- Robust & Compact Unit for table mounting.
- Built-in Speed control & Timer 0-60 Minute (Optional)
- Lower Power Consumption

APPLICATION:

- For screen analysis in laboratories and industries.

CONSTRUCTION:

- The heavy mild steel plate is welded & body painted. The motor actuates a mobile eccentric weight thus producing a vibration motion on the sieve table. For free movement of platform it is Mounted on helical springs. The shaker has a Uniformity variable for speed control & a timer for setting sieving periods.
- The shaker accommodates up to Six Nos. 8" Dia, Standard Test Sieve of 2" height with Lid & Receiver. **(SUPPLIED WITHOUT SIEVES AND LID AND RECIEVER)**
- **Rating watts : 70 watts.**



TEST SIEVES SS (BTI-46A)



- We are fully dedicated in presenting a best grade and widely demanded array of SS Test Sieves that is easily available in the market leading the selling price ranges.

SIEVE CONSTRUCTIONS:

- These are completely made up of st. steel 304 quality.
- Uniform fabrication of our sieves permit easy nesting on each other.
- An essential feature of our test sieves is that it does not require soldering process which keeps test sieves in a good and imported finish.
- As there is no need of soldering process in our sieves, the material and power will not get struck on the corners of our test sieves as compared to the other sieves.



TRAY DRYER (BTI-47)



Size	Rating Watts	Temperature
12 Tray	6000	200°C
24 tray	15000	200°C

- **Construction:** Double walled outer made up of M.S. powder coated, Inner M.S. painted
- **Insulation:** Glass wool insulation
- **Temp. Range :** 50°C to 200°C
- **Accuracy:** +/- 1°C
- **Motor:** 1/12 HP Motor for circulation
- **Optional Accesories:** Aluminium tray at extra cost (Tray Size: 16" x 32")



ULTRASONIC CLEANER (BTI-48)



Capacity	Tank Size	Power
1.5 L 200 H	240 x 140 x 65	50 watts
2.25 L 170 H	235 x 135 x 100	70 watts
3.5 L 100 H	300 x 150 x 100	100 watts
5.5 L 150 H	250 x 150 x 150	150 watts
6.5 L 200 H	300 x 150 x 150	200 watts
8 L 200 H	300 x 180 x 150	200 watts
9 L 250 H	300 x 200 x 150	250 watts
10 L 250 H	300 x 230 x 150	250 watts
13 L 300 H	300 x 300 x 150	300 watts
21 L 400 H	350 x 300 x 200	400 watts
24 L 400 H	400 x 400 x 150	400 watts

Our products are used in varied industries. Its applications include:

- Lab instruments, Jewellery ,watches and precious stones.
- Electronics / electrical components.
- Medical and surgical instruments.
- Machinery parts in ship building centers and army base workshops.
- Pharmaceuticals and laboratories for degassing of solvents and mixing drugs and herbal formulations
- We also cater non-standard machines as per client requirements.

- For the last 30 years, Bio Technics India has been a reputed name in the ultrasonic manufacturing industry. Our ultrasonic machines are designed with the latest technology, using high-frequency solid-state circuits along with auto-tuning facility that is capable of operating at 33+3 KHz

OPTIONAL ACCESORIES:

- Digital temperature controller



UV CABINET (BTI-49)



- Usable for viewing paper and thin layer chromatograms.
- For visualization of test objectives under tubes having long wave length (365 nm) , short wave length (254 nm) as desired.
- Use with ultraviolet lamp for observing fluorescent effect chromatograms, etc.
- Supplied with 3 tubes to work on 230 Volts A.C. only.
- Provides an enclosed viewing space which eliminates external light interference.
- Controls switches mounted on top of the unit.
- This self contained unit is designed for easy viewing and making of chromatograms.



UNIVERSAL WATER BATH WITH DIGITAL CONTROLLER (BTI-50)



Size	Rating Watts	Capacity (Ltr)
30 x 22.5 x 17.5 cm	500	12
45 x 30 x 17.5 cm	1000	24

- Double walled inner chamber made up of S.S 304 and outer chamber made up of M.S. powder coated/ S.S 304.
- Temp. range 5°C above ambient to maximum 95°C.
- Digitally controlled
- Accuracy $\pm 1^\circ\text{C}$

OPTIONAL ACCESSORIES:

- Pyramid Lid



VACUUM OVEN GMP (RECTANGULAR) (BTI-51)



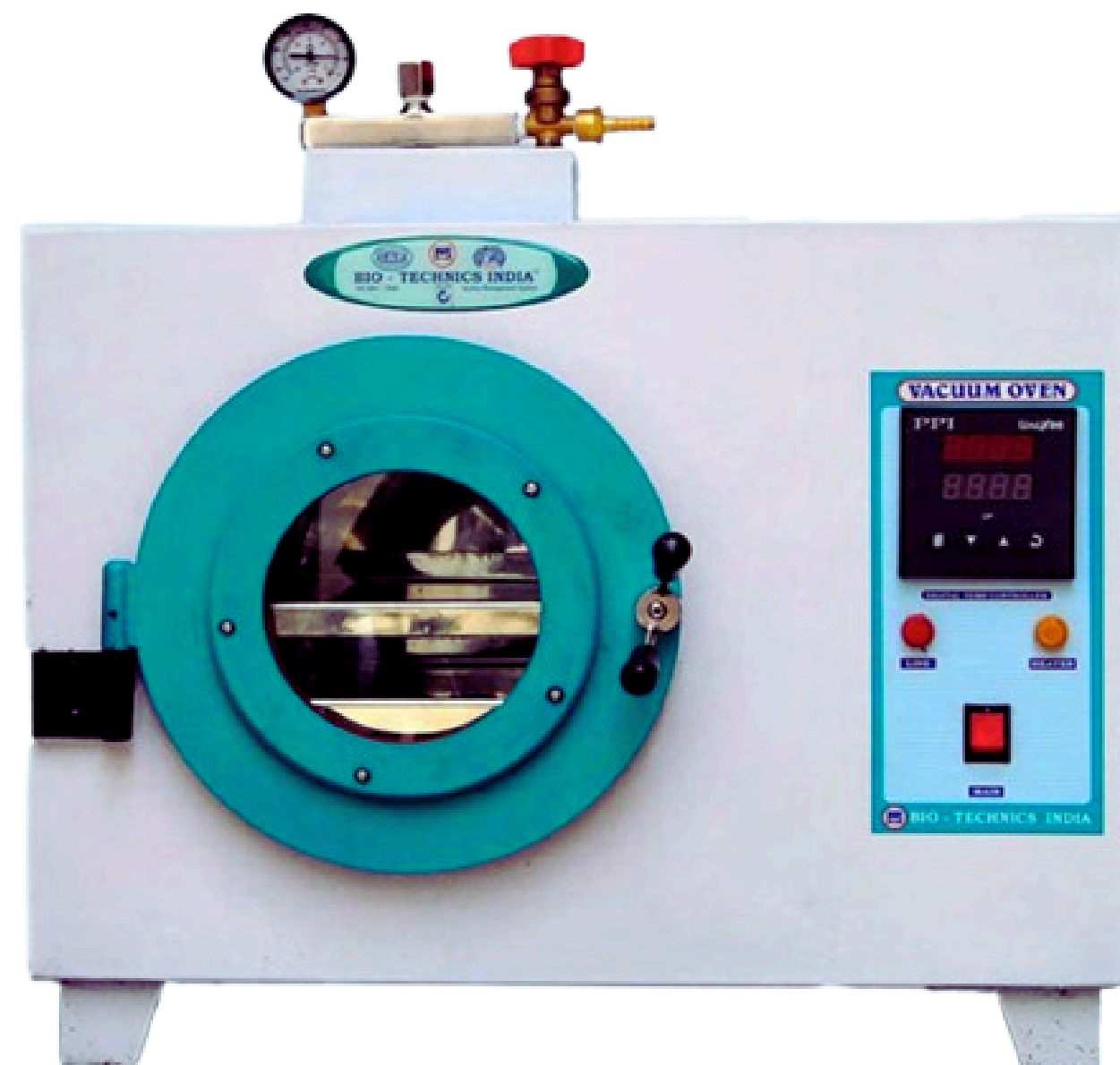
STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (inches)	Capacity (ltr)	No. of shelves
1.	8 x 8 x 12	12	2
2.	12 x 12 x 16	37	2
3.	14 x 14 x 20	63	3
4.	18 x 18 x 24	120	3

- Vacuum Ovens are double walled.
- **Inner Chamber and the outer body is made up of thick stainless steel 304 quality.**
- High grade glass wool insulation between the chambers to avoid heat loss.
- Uniform drying under vacuum.
- Temp. ranges from 50°C To 200°C with $\pm 2^\circ\text{C}$ accuracy.
- Vacuum Gauge of 760mm hg displayed on analog gauge.
- Temp. controlled by digital temp. indicator cum controller.
- Vacuum Chamber is wrapped with a set Of high quality heaters for quick and uniform heating.
- The door has a thick tempered toughened glass window which is perfectly sealed with silicon rubber gasket for observation without disturbing the thermal condition.
- Proper door alignment to ensure excellent vacuum performance and operators safety.
- Positive screw to tighten the lid to obtain perfect seal.
- Fitted with diaphragm valves and vacuum gauge.
- Control Panel with temp. controller, switches and indicating lamps provided on the front panel.
- Suitable for 230V, Ac, 50 Hz.
- Vacuum control and Relief Valves located on the front of the unit for convenient monitoring. **(Supplied without vacuum pump)**



VACUUM OVEN (ROUND) (BTI-52)

SIZES IN ROUND MODEL		
S. No.	Size in inches	No. of shelves
1.	9 dia x 12 height	1
2.	12 dia x 15 height	2
3.	15 dia x 18 height	2



- Vacuum Ovens are double-walled.
- The inside chamber is made up of thick stainless steel 304 quality and the outside chamber is made up of mild steel sheet pre-greased, pretreated for rust proofing and powder coated.
- High-grade glass wool insulation between the chambers to avoid heat loss.
- Uniform drying under vacuum.
- Temp. ranges from 50°C to 200°C with 1°C accuracy.
- Vacuum Gauge of 760mm hg displayed on Analog Gauge.
- Temp. controlled by digital temp. indicator cum controller.
- Vacuum Chamber is wrapped with set of high quality heaters for quick and uniform heating.
- Door has a thick tempered toughened glass window. It is perfectly sealed with silicon rubber gasket for observation without disturbing the thermal condition.
- Proper door alignment to ensure excellent Vacuum performance and Operators' safety.
- Positive Screw to tighten the lid to obtain perfect Seal.
- Fitted with Diaphragm valves and Vacuum Gauge.
- Control Panel with Temp. controller, Switches and Indicating lamps provided on the Front Panel.
- Suitable for 230V, Ac, 50hz.
- Available in Rectangular Chamber also.
- Vacuum Control and Relief valves located on the front of the unit for convenient monitoring. **(Supplied without vacuum pump)**

VACUUM OVEN (RECTANGULAR) (BTI-53)



STANDARD SIZES AVAILABLE			
S. No.	Sizes Available (inches)	Capacity (ltr)	No. of shelves
1.	8 x 8 x 12	12	2
2.	12 x 12 x 16	37	2
3.	14 x 14 x 20	63	3
4.	18 x 18 x 24	120	3



- Vacuum Ovens are double walled.
- Inside Chamber is made up of thick stainless steel 304 quality and the outside chamber is made up of mild steel sheet pre greased, pretreated for rust proofing and powder coated.
- High grade glass wool insulation between the chambers to avoid heat loss.
- Uniform drying under vacuum.
- Temp. ranges from 50°C To 200°C with $\pm 2^\circ\text{C}$ accuracy.
- Vacuum Gauge of 760mm hg displayed on analog gauge.
- Temp. controlled by digital temp. indicator cum controller.
- Vacuum Chamber is wrapped with a set Of high quality heaters for quick and uniform heating.
- The door has a thick tempered toughened glass window which is perfectly sealed with silicon rubber gasket for observation without disturbing the thermal condition.
- Proper door alignment to ensure excellent vacuum performance and operators safety.
- Positive screw to tighten the lid to obtain perfect seal.
- Fitted with diaphragm valves and vacuum gauge.
- Control Panel with temp. controller, switches and indicating lamps provided on the front panel.
- Suitable for 230V, Ac, 50 Hz.
- Vacuum control and Relief Valves located on the front of the unit for convenient monitoring. **(Supplied without vacuum pump)**



WATER BATH SHAKER (BTI-55)



SPECIFICATIONS:

- Reciprocate action 20 to 200 strokes per minute.
- Stainless Steel interior and M.S Powder coated exterior
- Temperature range 5°C above room temperature to 95°C temperature
- Accuracy +/- 0.5 by solid state time proportional
- Temperature controller cum digital display , using PT-100 as sensor supplied with S.S gabled cover
- **Available sizes:** 8 x 250 ml
12 x 250 ml



WATER BATH WITH DIGITAL CONTROLLER (RECTANGULAR) (BTI-57)



S.No	Size	Dimensions	Rating watts
1.	6 hole	35 x 25 x 10 cm	1000
2.	12 hole	40 x 30 x 10 cm	1500

- Double walled in construction
- Inner chamber S.S. and outer made up of M.S. with powder coating
- Temp. Range 5°C above ambient to 98°C with an accuracy of $\pm 0.5^\circ\text{C}$
- Temperature controlled by PID microprocessor controller.
- Top lid with concentric rings made up of stainless steel
- Glass wool insulation to minimize heat loss.
- Immersion type heater should be provided.
- Long lasting elements
- Concentric rings to use flasks from 50 to 500 ml capacity

OPTIONAL ACCESSORIES:

- Digital temperature controller for better accuracy



WATER BATH THERMOSTATIC (BTI-57)



S.No	Size	Dimensions	Rating watts
1.	6 hole	35 x 25 x 10 cm	1000
2.	12 hole	40 x 30 x 10 cm	1500

- Double walled in construction
- Inner chamber S.S. and outer made up of M.S. with powder coating
- Temp. Range 5°C above ambient to 95°C with an accuracy of $\pm 2^\circ\text{C}$
- Temperature controlled by capillary type thermostat
- Top lid with concentric rings made up of stainless steel
- Glass wool insulation to minimise heat loss
- Immersion type heater should be provided
- Long lasting elements
- Concentric rings to use flasks from 50 to 500 ml capacity

OPTIONAL ACCESSORIES:

- Digital temperature controller for better accuracy



WATER BATH ROUND WITH DIGITAL CONTROLLER (BTI-58)

BIO TECHNICS INDIA

AVAILABLE IN SIZES		
Cap in Ltr	Inner working size (inches)	Rating watts
1 Ltr	6 x 8	1000
2 Ltr	8 x 8	1000
3 Ltr	9 x 9	1500
5 Ltr	10 x 10	1500
10 Ltr	12 x 12	2000



- Double walled inner chamber made up of S.S. 304, outer chamber made up of mild steel powder coated / S.S 304.
- Glass wool insulation between two walled.
- Temperature controlled by PID temperature controller.
- Accuracy is $\pm 1^{\circ}\text{C}$.
- Temp. range is 5°C above ambient room temperature to 99°C .



WATER STILL (MANESTY TYPE) (BTI-59)

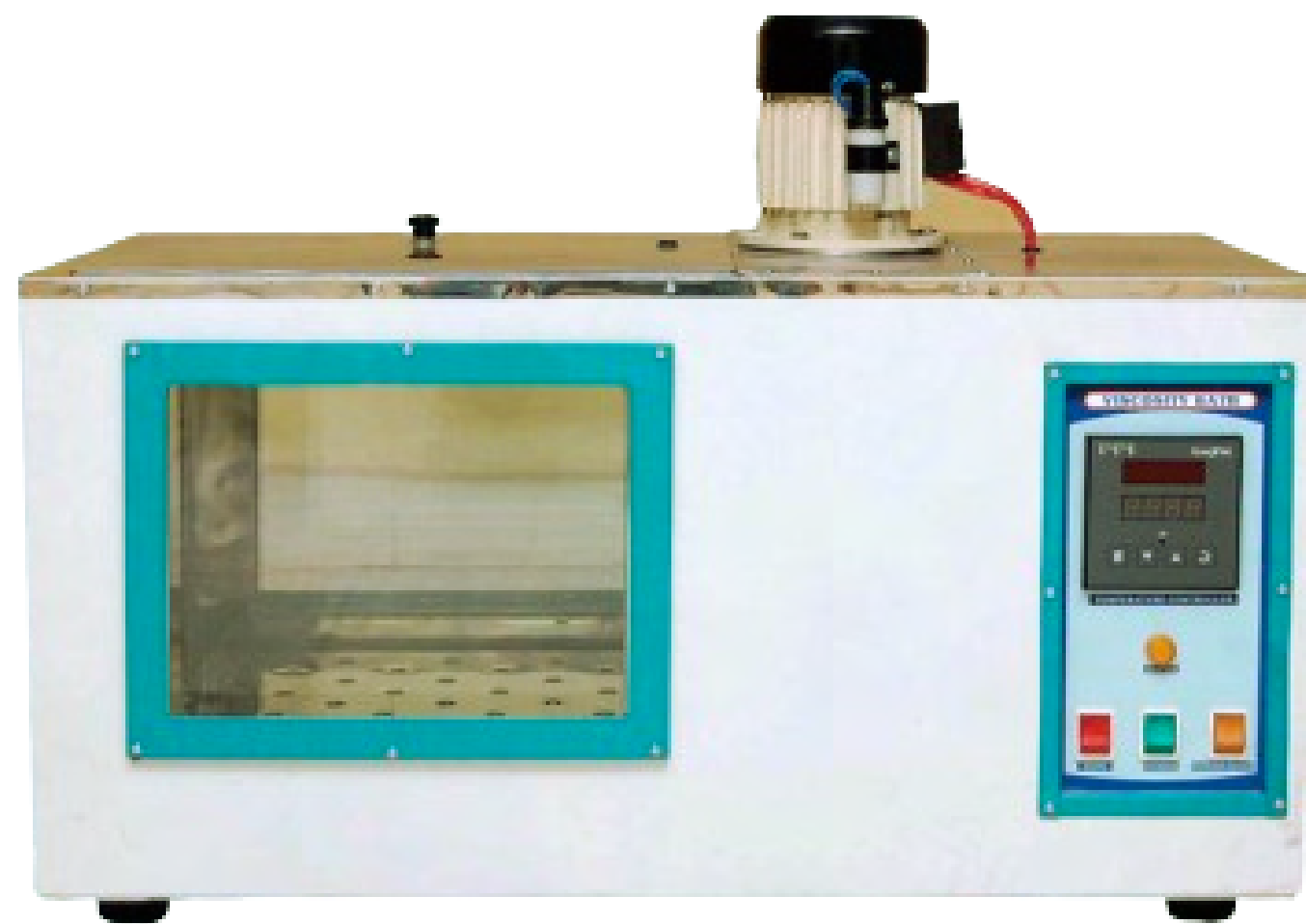
Sizes in Ltr / hr	Rating Watts
2 Ltr	1500
4 Ltr	3000
6 Ltr	4000
10 Ltr	8000



- This unit is made up of complete S.S.
- It is designed to provide pyrogen free distilled water of very high degree of purity.
- Easy wall mounting
- Condenser cave can be opened easily for periodic cleaning.
- The still is fixed with iron bracket to be fixed on the wall.
- Easy replacable heating elements
- The lid perfectly rests and fits inside the collar on the head of the tank which avoids steam loss and jumping of lid.
- Various sizes available



VISCOCITY BATH MODEL (BTI-60)



INTERNAL DIMENSION		
S. No.	L X W X D	Capacity
1.	25 X 20 X 20 cm	4 holes
2.	35 x 20 x 30 cm	6 holes

- **Specs- Construction :** Inner body made up of stainless steel and outer body made up of mild steel powder coated.
- Glass wool insulation between two walled t prevent heat loss.
- **Temp range :** 5°C above from room temperature to 120°C
- **Accuracy:** \pm - 0.5°C
- Tuffened glass window on both sides to view inside sample.
- Temperature controlled by microprocessor PID temperature controller with dual display with PT 100 sensor for uniform temperature motorized strirrer with motor of 1/20 Hp motor with 1440 rpm.

OPTIONAL ACCESSORIES:

- Viscometer clamps at extra cost
- Electronic digital timer range 0 to 999 minutes
- Single channel data logger with printing arrangement
- Temperature controlled by microprocessor based auto tune PID controller with PT 100 as sensor and resolution 0.01 C.

BIO TECHNICS INDIA

MUMBAI

