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Manufacturers of:
LABORATORY EQUIPMENTS &
RESEARCH APPARATUS
(W.E.F APRIL 2024)



POPULAR TRADERS

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The Scientific Engineering Works, 78, Lytton Road, Lahore.

DECEMBER 1944.



Our Founding Fathers

IN THE LOVING MEMORY OF



LATE SHRI MADAN LAL GUPTA



LATE SHRI VED PARKASH GUPTA

These, two, stalwart sons of the founder, Shri Mohan Lal Gupta Ji did yeoman's work to lay the strong foundation of Popular Traders, after the sudden and tragic demise of the founder. In view, of their immense contribution, we vow to follow the path shown by them sincerely and with total dedication on our part.



For support: ☎ +91-9896030622 ✉ popular1942@gmail.com 🌐 <http://www.populartradersindia.com>



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FOREWARD

Sh. Mohan Lal Gupta, in the year 1942, single handedly, founded "The Scientific Engineering Works." at Lahore. Slow and steadily, it created its niche in the world of scientific instruments manufacturing and trading. Now, it is known as POPULAR TRADERS, quite famous for its efficiency, precision and excellence. For the last 76 years, we have been working hard to keep the people's faith and trust in us intact. Our commitment, knowledge, experience, sincerity and reputation is being rewarded in the shape of very warm response from our esteemed customers like you.

We, basically, deal in Scientific & Laboratory Research Apparatus made of high-quality raw material, ranging from Brass (Extruded), Stainless Steel (304 grade), Aluminium, Mild Steel, Acrylic, Rubber, Wood, Silica & Quartz Glass.

We feel pleased to present before you our Current Price List w.e.f. April 2024 having a wide range of Rotary Vacuum Evaporators, Vacuum Pumps, Electrophoresis Apparatus, Chromatography Apparatus, Oil & Petroleum, Pharmaceutical and Biotechnology products. These are used in Research Laboratories throughout India. We always try our level best to come up to our esteemed customer's expectations.

PRODUCTS CERTIFIED BY -



ROTARY VACUUM EVAPORATOR - OUR PATENTED PRODUCT



WE ARE REGISTERED UNDER MSME
MSME NO. - UDYAM-HR-01-0004468



OUR PRODUCTS ARE AVAILABLE ON
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A view of Popular's Manufacturing Facility at Saha

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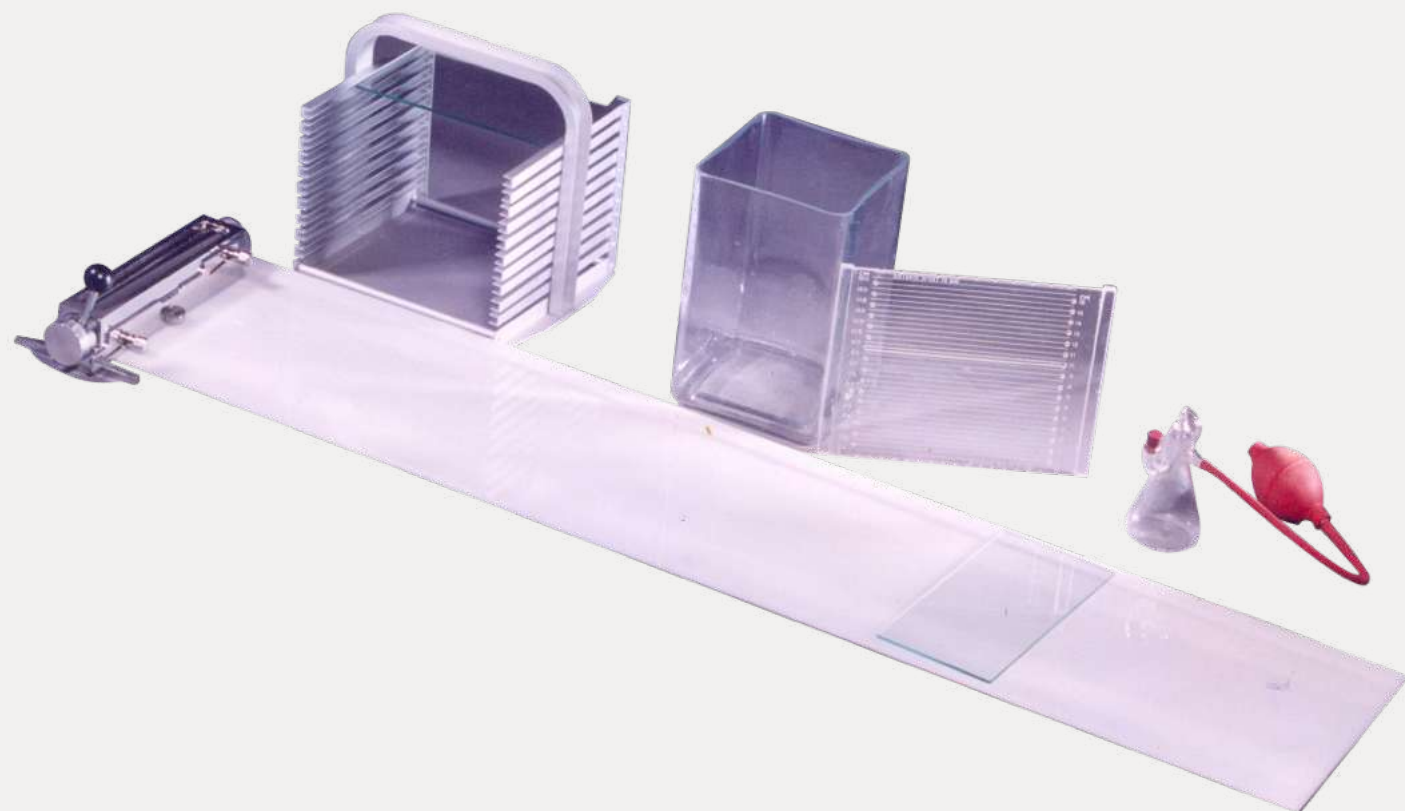
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PT-11
THIN LAYER CHROMATOGRAPHY APPARATUS

PT-11

Applications of Thin Layer Chromatography (TLC):

- Drug analysis: Identifying drug purity and active ingredients.
- Pesticide residue detection: Monitoring residues on crops and in soil.
- Forensic analysis: Analyzing substances in crime investigations.
- Environmental monitoring: Detecting pollutants in air, water, and soil.
- Food and beverage analysis: Checking for additives and contaminants.
- Natural product analysis: Isolating and identifying compounds from natural sources.



PT-11 THIN LAYER CHROMATOGRAPHY APP.

CATALOGUE NO.	ITEM DESCRIPTION	RATE
PT-11	Thin Layer Chromatography Apparatus Brass Applicator for 0-2mm thickness, Perspex base, Plate rack aluminium, developing tank, Spotting template, T.L.C Plates set, Glass sprayer set, Micro-Pipette (HSN-90272000)	14750-00/-
PT-12	Thin Layer Chromatography App. aluminum applicator. Accessories for T.L.C. Apparatus (HSN-90272000)	12950-00/-

ACCESSORIES FOR PT-11

PT-11/01	Brass applicator Spare	6750-00/-
PT-11/02	Aluminum applicator Spare	4450-00/-
PT-11/03	Spotting template Made of perspex.	625-00/-
PT-11/04	Plate rack Made of anodised aluminum to take ten plates.	1295-00/-
PT-11/05	Glass plates All sides ground, for T.L.C 20 x 20cm (HSN-70179090)	78-00/-
PT-11/06	Glass plates All sides ground, for T.L.C 20 x10cm (HSN-70179090)	48-00/-
PT-11/07	Glass plates All sides ground, for T.L.C 20 x 5 cm (HSN-70179090)	38-00/-
PT-11/08	Chromatography tank With cover for plates of different sizes. 20 x10cm	3200-00/-
PT-11/09	Chromatography tank With cover for plates of different sizes. 20 x20cm	3900-00/-

PT-26, PT-27 & PT-30

CATALOGUE NO.	ITEM DESCRIPTION	RATE
PT-26	DESSICATOR CABINET This is used for storing plates of T.L.C with glass window size 30 cm x 50 cm x 35 cm (HSN-90279010)	11950-00/-
PT-27	T.L.C. MASTER SHEET For direct reading of RF values.	375-00/-
PT-30	T.L.C. PAPER CHROMATOGRAPHY CABINET - To introduce the theory and principles of ascending; descending and reverse phase paper chromatography. This is made of wood with glass on all four sides and on top internal surface is wax coated for solvent resistance. Hinged top provided with rubber gasket for air tight closing and window with air provided for easy movement. Finished in natural colour nitrocellulose lacquer. Supplied as standard equipment are two stainless steel troughs and six glass rod., For accommodating 4 filter papers of 45 x 57 cm. (HSN-90279010)	19950-00/-





PT-32 TO 35
UV INSPECTION CABINET

PT-32 TO 35

UV inspection cabinets have several applications, including:

- Quality Control in Manufacturing: Detecting surface defects, contamination, or foreign particles on products.
- Medical Diagnostics: Analyzing samples such as urine or blood for fluorescence under UV light.
- Geology and Mineralogy: Examining rocks and minerals for fluorescent properties.
- Document Verification: Checking the authenticity of currency, passports, and other important documents.
- Sanitation Verification: Ensuring cleanliness in hygiene-sensitive environments, such as hospitals and laboratories.

PT-32 TO 35 UV INSPECTION CABINET

(HSN:90275090)

CATALOGUE NO.	VISIBLE LIGHT	365 nm	312 nm	SHORT UV	254 nm (with filter)	RATE (₹)
PT-32	✓	✓				8950/-
PT-33	✓	✓		✓		9950/-
PT-34	✓	✓			✓	16500/-
PT-35	✓	✓	✓		✓	23950/-
SPARE UV TUBES						
PT-36/05			UV TUBE 365 nm			1200/-
PT-36/10			UV TUBE 254 nm			1200/-
PT-36/15			UV TUBE 312 nm			4950/-

PT-42 ULTRA VOILET TORCH

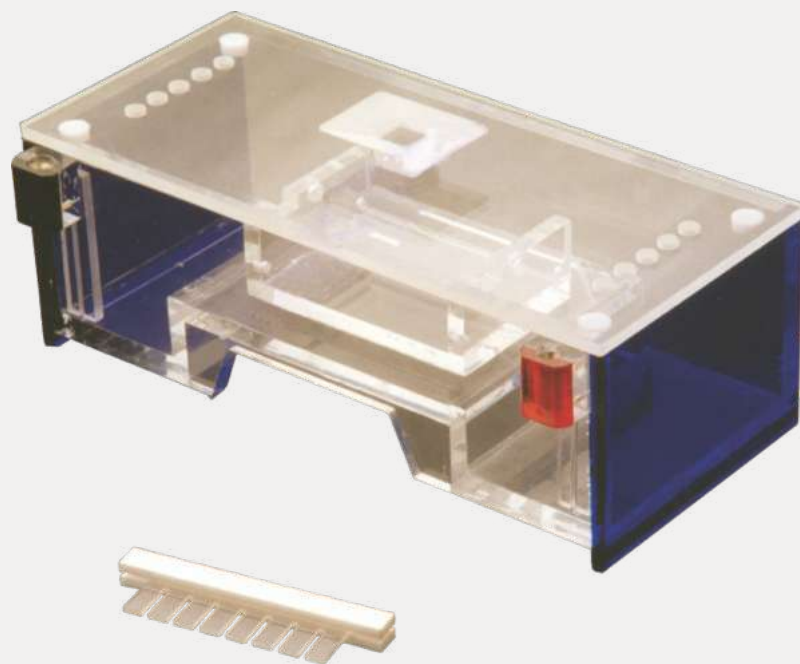
It is a portable device for emitting U.V. light provided with two long waves U.V. source for examining fluorescent stains or spots in gels or on T.L.C. plates. U.V. source are protected under U.V. transparent window.

(HSN-85394900)

3900-00/-

PT-43 ULTRA VOILET PROTECTIVE GOGGLES

1450-00/-



PT-50
SUBMARINE GEL ELECTROPHORESIS APP.



PT-55
BAR GEL POLYACRYLAMIDE
ELECTROPHORESIS APPARATUS CIRCULAR

Submarine gel electrophoresis apparatus is used for:

- DNA and RNA Analysis: Separating nucleic acids based on size for genetic research, diagnostics, and forensic studies.
- Protein Separation: Analyzing protein mixtures by size or charge for biochemical research and clinical diagnostics.
- Genotyping: Identifying genetic variations and mutations for medical research and personalized medicine.
- Molecular Cloning: Verifying the presence and size of DNA fragments after restriction enzyme digestion or PCR.
- Quality Control in Biotechnology: Ensuring the integrity and purity of nucleic acid and protein samples in research and production.

**PT-50, PT-51,
PT-52 & PT-55**

PT-50,51 SUBMARINE GEL ELECTROPHORESIS APP.

CATALOGUE NO.	GEL TRAY	COMB	RATE (₹)
PT-50	5 X 7 CM (2 Nos) 10 X 7 CM (1 Nos)	8 WELL, 1.5 MM (2 Nos) 3 WELL, 3 MM (1 Nos)	9950/-
This economy model minimized the cost of buffer and it is provided with fixed platinum electrode.			
PT-51	6 X 6.5 CM (4 Nos) 13 X 6 CM (2 Nos) 13 X 13 CM (1 Nos)	15 WELL, 1.5 MM (1 Nos) 8 WELL, 1.5 MM (2 Nos) 2 WELL, 3 MM (1 Nos)	14950/-
This is a laboratory scale model with detachable platinum electrode.			

PT-52 POWER SUPPLY

VARI PACK is very simple to operate. It is very ideal for student practical classes & routine clinical work. It is designed to give 50,100,200 or 250 volts constantly indicated by LED on each point. Its maximum current is up to 100 mA.

(HSN-85044090)

3500-00/-

PT-55 BAR GEL POLYACRYLAMIDE ELECTROPHORESIS APPARATUS CIRCULAR

It is a traditional mechanism meant for running 8 gel tubes of 10cm long. Acrylic pipes are used to make its circular shape cathode & anode electrode assembly is centrally mounted in circular shape, which provides uniform electrical flow. Three ventilators are provided in the lower buffer reservoir for cool air circulation.

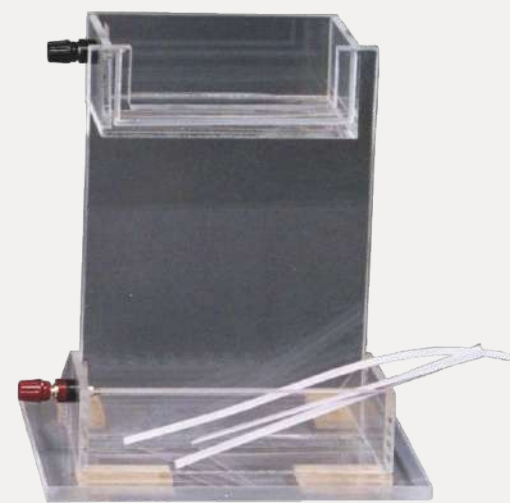
The elementary unit consists of anode reservoir (1No.) Cathode reservoir (1No.) Platinum Electrode assembly (Anode & Cathode) (2 Nos.) Glass Tubes 10 cm. (24 Nos.) Silicone Rubber Gromets Fixed & Spare (8+8 Nos.) Rubber Bungs (12 Nos.) Polythene Closers (24 Nos.), gel Casting stand (1 No.), Syringe with Needle (1 No.), Power Cord (1No.)

(HSN-90272000)

10950-00/-



PT-57
VERTICAL SLAB GEL MECHANISM STUDENT



PT-58
VERTICAL SLAB
GELELECTROPHORESIS
MECHANISM - UNIVERSAL



PT-61
PAPER STRIP ELECTROPHORESIS
APPARATUS - VERTICAL



PT-60
PAPER STRIP ELECTROPHORESIS
APPARATUS - HORIZONTAL

Submarine gel electrophoresis apparatus is used for:

- DNA and RNA Analysis: Separating nucleic acids based on size for genetic research, diagnostics, and forensic studies.
- Protein Separation: Analyzing protein mixtures by size or charge for biochemical research and clinical diagnostics.
- Genotyping: Identifying genetic variations and mutations for medical research and personalized medicine.
- Molecular Cloning: Verifying the presence and size of DNA fragments after restriction enzyme digestion or PCR.
- Quality Control in Biotechnology: Ensuring the integrity and purity of nucleic acid and protein samples in research and production.

PT-57, PT-58,
PT-60 & PT-61

PT-57 VERTICAL SLAB GEL MECHANISM STUDENT

This mechanism electrophoresis 8x7cm. Gel can be casted of 0.5, 1.0 or 1.5mm thickness in this mechanism. Student Model minimizes the cost of buffer.

The elementary unit consists of detachable platinum electrode assembly (2 nos.), Glass Plates Notched & Rectangular 1 set, Teflon Comb 7 wells 1 mm (1no.), Spacers 1 mm (3 nos.) clamp with screw (1 st), gasket fixed, leveling screws & connecting cord.

(HSN-90272000)

11950-00/-

PT-57/05-SPARE PART

Glass plates set 8 x 7 cm Gel

1250-00/-

PT-58 VERTICAL SLAB GEL ELECTROPHORESIS MECHANISM - UNIVERSAL

This is a laboratory scale mechanism. This electrophoresis 16x20 cm. & can accomplished 13 samples simultaneously. The unit consists of fixed platinum electrode assembly (2 nos), glass plates notched & rectangular 1 set, teflon comb 13 wells 1 mm, spacers 1 mm (3 nos), clamp with screws (1 set), Fixed Gasket, leveling screws and conceiting cord.

(HSN-90272000)

14950-00/-

PT-58/05-SPARE PART

Glass plates set 16 x 20 cm Gel

1750-00/-

PT-60,61 PAPER STRIP ELECTROPHORESIS APPARATUS WITH ANODE AND CATHODE RESERVOIR

(HSN-90272000)

MODEL NO.	TYPE	BUFFER CHAMBER	PAPER STRIPS	SAFETY SWITCH FOR CUTOFF	PLATINUM ELECTRODES	LID MATERIAL	RATE (₹)
PT-60	HORIZONTAL	2 X 550 ML	6	YES	TWO	GLASS	16950/-
PT-61	VERTICAL	2 X 200 ML	3	NO	TWO	ACRYLIC	11950/-
PT-61 A	VERTICAL	2 X 200 ML	6	NO	TWO	ACRYLIC	16950/-

PT-62 STABILIZED D.C. POWER SUPPLY

This is very ideal to accomplish for routine works course & fine control knobs are provided to set at any voltage from 0 to 300 & constant current up to 100 mA.

PROVIDED with digital control & display. This is provided with short circuit & over load protection with polarity reverse switch.

(HSN-85362090)

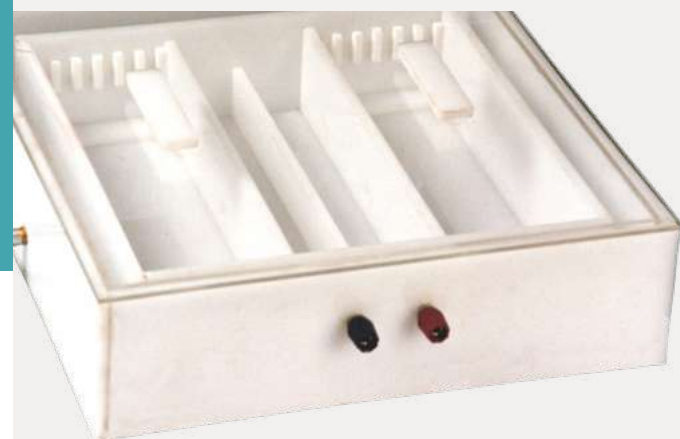
12950-00/-

PT-63 IMMUNO ELECTROPHORESIS APPARATUS

Comprising of walled migration cell made of white perspex, outer chamber is provided with inlets and outlets for circulation of cold water, inner chamber is the buffer chamber fitted with electrodes with a clear transparent top lid fitted with a handle, a special perspex carrier is supplied as micro immunological accessory, which permits simultaneously study of upto eight 3"x1" standard agar coated micro slides. Complete with plug, terminals and cables without power pack. Size 30x30x8cm.

(HSN-90272000)

16950-00/-



PT-63
IMMUNO ELECTROPHORESIS APPARATUS



PT-62
STABILIZED D.C. POWER SUPPLY



PT-64 ULTRA VIOLET TRANSILLUMINATORS

This mechanism is used for slab gel electrophoresis, Thin layer Chromatography, Forensic examination & D.N.A. Analysis/Experimentation. Transilluminators provide ultraviolet illumination from beneath the sample.

This mechanism has a window covered with fixed U.V. transparent sheet, six 360nm. U.V. source are fixed beneath the window. An exhaust fan is fixed for cooling. The hinged eye protective U.V. obstruction cover provided with the mechanism is meant for covering the entire window. (Window size 25 x 13 cm)

(HSN-90182000)

25950-00/-

PT-64-A GEL ROCKER

Gel rocker can be used for many applications like gel staining, culture aeration, blotting membrane etc. A rubber mat is provided for no slipping surface for the platform. The movement is controlled very precisely with the D.C Motor, with 0-60 minute timer for auto off within a time limit required. Gel rocker is provided with 30 x 30 cm Platform size and having see saw type shaking system.

(HSN-90279090)

17950-00/-

PT-64-B DRY BATH

The dry bath is designed to uniformly heat the contents of 24 tubes from Ambient to 110°C. The temperature is controlled by an imported energy regulator. It ensures the accurate temperature control & avoids contamination of samples, unlike in a water bath. Dry bath is provided with solid aluminum block to accommodate 24 micro tubes of 2 different size.

Provided with electronic digital temperature controller cum indicator instead of energy regulator.

(HSN-90278090)

15950-00/-



PT-64-A
GEL ROCKER



PT-64
ULTRA VIOLET TRANSILLUMINATORS





PT-65
ROTARY EVAPORATOR QUICKVAP



PT-66
ROTARY EVAPORATOR QUICKVAP

PT-65 & PT-66

Rotary evaporators are used for:

- Solvent Removal: Efficiently evaporating and recovering solvents from samples in chemical and pharmaceutical industries.
- Purification and Concentration: Concentrating solutions and purifying compounds by removing excess solvents.
- Sample Preparation: Preparing samples for further analysis by removing solvents under reduced pressure.
- Recrystallization: Purifying solid compounds by dissolving them in a solvent and then evaporating the solvent to form crystals.
- Extraction of Natural Products: Isolating bioactive compounds from plant materials and other natural sources.
- Food and Beverage Industry: Concentrating flavors, fragrances, and other ingredients for product development.

PT-65 & PT-66 ROTARY EVAPORATOR QUICKVAP

(HSN-84198990)

MODEL NUMBER	PT-65	PT-66
RATES	124500/-	129500/-
GLASSWARE		
Condenser Type	Diagonal	Vertical
Cooling Surface	1500 cm ²	1500 cm ²
Evaporating Flask**	100 mL to 2000 mL	100 mL to 2000 mL
Receiving Flask	Max 1000 mL	Max 1000 mL
GENERAL		
Motor Principle	DC	DC
Speed Range	20-200 rpm	20-200 rpm
RPM Display	LED	LED
Lift	Motor	Motor
Stroke	150 mm	150 mm
Lift Speed	6 mm/sec	6 mm/sec
Voltage	220-240 V	220-240 V
Frequency	50 Hz	50 Hz
WATER BATH		
Temperature Controller	Digital (PID)	Digital (PID)
Heating Temperature Range	Ambient + 5°C - 180 °C	Ambient + 5°C - 180 °C
Heat Output	1250 W	1250 W
Temperature Uniformity	±1 °C	±1 °C
Filling Volume Max.	3.5 L	3.5 L
Inner Body	Stainless Steel 304 Grade	Stainless Steel 304 Grade
Outer Body	Aluminium Powder Coated	Aluminium Powder Coated
SIZE & WEIGHT		
Dimensions (L x W x H)	940 x 510 x 560 mm	710 x 510 x 860 mm
Weight	31 kg	32 kg
OPERATING CONDITIONS		
Permissible ambient temperature	5 - 40 °C	5 - 40 °C
Permissible relative humidity	80 %	80 %
IP Rating	IP 20	IP 20

**Evaporating flask supplied with unit is 800 mL, rest are optional.



PT-68
ROTARY EVAPORATOR RAPIDVAP



PT-69
ROTARY EVAPORATOR RAPIDVAP

PT-68 & PT-69

Rotary evaporators are used for:

- Solvent Removal: Efficiently evaporating and recovering solvents from samples in chemical and pharmaceutical industries.
- Purification and Concentration: Concentrating solutions and purifying compounds by removing excess solvents.
- Sample Preparation: Preparing samples for further analysis by removing solvents under reduced pressure.
- Recrystallization: Purifying solid compounds by dissolving them in a solvent and then evaporating the solvent to form crystals.
- Extraction of Natural Products: Isolating bioactive compounds from plant materials and other natural sources.
- Food and Beverage Industry: Concentrating flavors, fragrances, and other ingredients for product development.

PT-68 & PT-69 ROTARY EVAPORATOR RAPIDVAP

(HSN-84198990)

MODEL NUMBER	PT-68	PT-69
RATES	68950/-	76950/-
GLASSWARE		
Condenser Type	Diagonal	Diagonal
Cooling Surface	1500 cm ²	1500 cm ²
Evaporating Flask**	100 ml to 2000 ml	100 ml to 2000 ml
Receiving Flask	Max 1000 ml	Max 1000 ml
GENERAL		
Motor Principle	DC	DC
Speed Range	20-200 rpm	20-200 rpm
Lift	Manual	Manual
Stroke	100 mm	100 mm
Lift Speed	-	-
Voltage	220-240 V	220-240 V
Frequency	50 Hz	50 Hz
WATER BATH		
Temperature Controller	Thermostat	Digital (PID)
Heating Temperature Range	Ambient + 5°C - 95 °C	Ambient + 5°C - 180 °C
Heat Output	1250 W	1250 W
Temperature Uniformity	±1 °C	±1 °C
Filling Volume Max.	3.5 L	3.5 L
Inner Body	Stainless Steel 304 Grade	Stainless Steel 304 Grade
Outer Body	Aluminium Powder Coated	Aluminium Powder Coated
SIZE & WEIGHT		
Dimensions (L x W x H)	840 x 530 x 560 mm	910 x 530 x 560 mm
Weight	23 kg	24 kg
OPERATING CONDITIONS		
Permissible ambient temperature	5 - 40 °C	5 - 40 °C
Permissible relative humidity	80 %	80 %
IP Rating	IP 20	IP 20

**Evaporating flask supplied with unit is 800 mL, rest are optional.



PT-70
ROTARY EVAPORATOR RAPIDVAP

PT-71
ROTARY EVAPORATOR RAPIDVAP

PT-70 & PT-71

Rotary evaporators are used for:

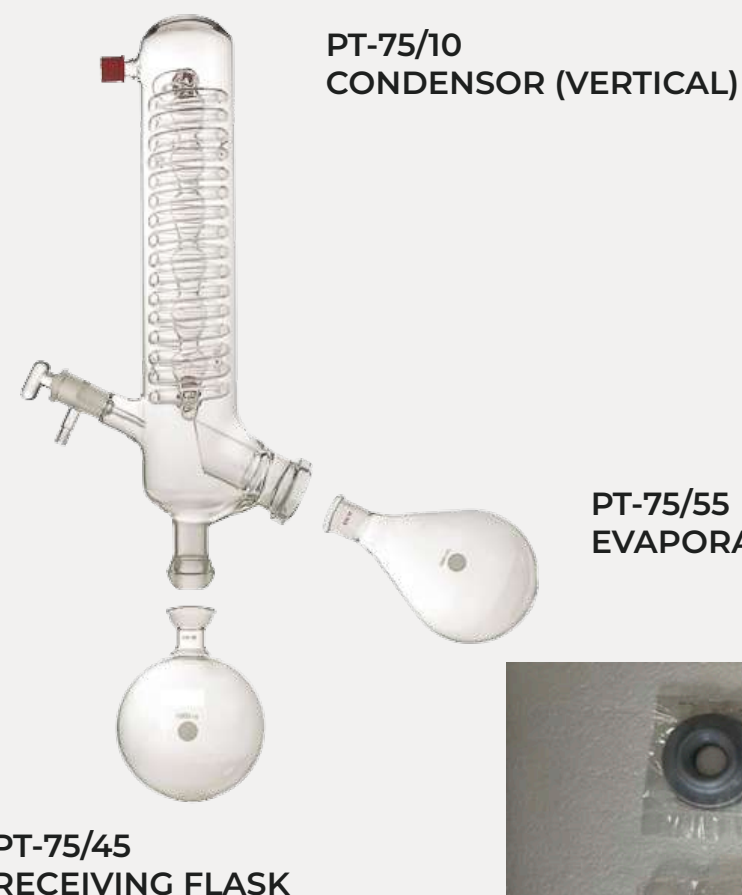
- Solvent Removal: Efficiently evaporating and recovering solvents from samples in chemical and pharmaceutical industries.
- Purification and Concentration: Concentrating solutions and purifying compounds by removing excess solvents.
- Sample Preparation: Preparing samples for further analysis by removing solvents under reduced pressure.
- Recrystallization: Purifying solid compounds by dissolving them in a solvent and then evaporating the solvent to form crystals.
- Extraction of Natural Products: Isolating bioactive compounds from plant materials and other natural sources.
- Food and Beverage Industry: Concentrating flavors, fragrances, and other ingredients for product development.

PT-70 & PT-71 ROTARY EVAPORATOR RAPIDVAP

(HSN-84198990)

MODEL NUMBER	PT-70	PT-71
RATES	73950/-	81950/-
GLASSWARE		
Condenser Type	Vertical	Vertical
Cooling Surface	1500 cm2	1500 cm2
Evaporating Flask**	100 ml to 2000 ml	100 ml to 2000 ml
Receiving Flask	Max 1000 ml	Max 1000 ml
GENERAL		
Motor Principle	DC	DC
Speed Range	20-200 rpm	20-200 rpm
RPM Display	-	-
Lift	Manual	Manual
Stroke	100 mm	100 mm
Lift Speed	-	-
Voltage	220-240 V	220-240 V
Frequency	50 Hz	50 Hz
WATER BATH		
Temperature Controller	Thermostat	Digital (PID)
Heating Temperature Range	Ambient + 5°C - 95 °C	Ambient + 5°C - 180 °C
Heat Output	1250 W	1250 W
Temperature Uniformity	±1 °C	±1 °C
Filling Volume Max.	3.5 L	3.5 L
Inner Body	Stainless Steel 304 Grade	Stainless Steel 304 Grade
Outer Body	Aluminium Powder Coated	Aluminium Powder Coated
SIZE & WEIGHT		
Dimensions (L x W x H)	660 x 530 x 860 mm	710 x 530 x 860 mm
Weight	24 kg	25 kg
OPERATING CONDITIONS		
Permissible ambient temperature	5 - 40 °C	5 - 40 °C
Permissible relative humidity	80 %	80 %
IP Rating	IP 20	IP 20

**Evaporating flask supplied with unit is 800 mL, rest are optional.



PT-75/55
EVAPORATING FLASK



STANDARD ACCESSORIES PROVIDED WITH
ALL ROTARY MODELS

SPARE PARTS

SPARE PARTS FOR ROTARY EVAPORATOR

MODEL NUMBER	DETAIL (HSN CODES)	RATE (₹)
PT-75/05	Diagonal Condenser double coiled with S- 35cup. with three opening for vacuum and cooling (70179090)	9500/-
PT-75/10	Vertical Condenser double coiled (70179090)	14950/-
PT-75/15	Cone adapter of condenser for vacuum (FOR VERTICAL) (70179090)	995/-
PT-75/20	Feed tube for condenser trap (70179090)	495/-
PT-75/25	Teflon tube (85051190)	595/-
PT-75/30	Vapour Path tube B-24, B-29 (70179090)	1750/-
PT-75/35	Gasket Seal for vapour tube.(VITON /TEFLON) (40169330)	1250/-
PT-75/40	Gasket Seal for Special Chemicals (40169330)	650/-
PT-75/45	Receiving Flask with S-35 cup (socket) joint capacity 1000ml. (70179090)	1350/-
PT-75/50	Evaporating flask Round Bottom Cap. 1000ml B-24 (70179090)	1250/-
PT-75/55	Evaporating Flask Kjeldhal Cap. 800ml. B-24 (70179090)	1350/-
PT-75/60	Evaporating Flask Kjeldhal Cap. 500ml. B-24 (70179090)	1150/-
PT-75/65	Evaporating Flask Kjeldhal Cap. 300ml. B-24 (70179090)	950/-
PT-75/70	Evaporating Flask Kjeldhal Cap. 100ml. B-24 (70179090)	850/-
PT-75/75	Tension Spring to hold condenser (73209099)	110/-
PT-75/80	Water Bath Double walled inner S.S. with Thermostatic Con- troller (84198990)	9500/-
PT-75/85	Water Bath Double walled inner S.S. with Digital Temperature Controller (84198990)	16950/-
PT-75/90	Spare Heater for water bath (ISI Mark) (85161000)	1150/-
PT-75/95	Standard Joint clip B-24 (73269099)	75/-
PT-75/100	Standard Joint clip B-29 (73269099)	95/-
PT-75/105	Ball joint Clip with screw lock (73269099)	495/-
PT-75/110	Glass SAFETY Trap (70179090)	1595/-
PT-75/115	Vapour Path tube B-29, B-29 (70179090)	1750/-
PT-75/120	Evaporating flask Round Bottom Cap. 1000ml B-29 (70179090)	1350/-
PT-75/125	Evaporating Flask Kjeldhal Cap. 800ml. B-29 (70179090)	1495/-
PT-75/130	Evaporating Flask Kjeldhal Cap. 500ml. B-29 (70179090)	1295/-
PT-75/135	Evaporating Flask Kjeldhal Cap. 300ml. B-29 (70179090)	1195/-
PT-75/140	Evaporating Flask Kjeldhal Cap. 100ml. B-29 (70179090)	995/-
PT-75/145	Evaporating Flask 2000 ml B-29	3950/-



CHILLER GMP MODEL



CHILLER PT-80

PT-80

Chillers are used for:

- Industrial Cooling: Maintaining optimal temperatures in manufacturing processes for plastics, metalworking, and chemical production.
- HVAC Systems: Providing air conditioning for commercial and residential buildings by cooling air and maintaining comfortable indoor climates.
- Medical and Laboratory Equipment: Cooling MRI machines, lasers, and other sensitive equipment to ensure proper operation and accuracy.
- Food and Beverage Processing: Keeping ingredients and products at safe temperatures during production, storage, and transport.
- Data Centers: Cooling servers and other IT infrastructure to prevent overheating and ensure reliable operation.
- Aquariums and Aquaculture: Regulating water temperature to create suitable environments for aquatic life.

RECIRCULATING CHILLER

(HSN-84198990)

Technical Specifications

Inner Chamber Material	Stainless Steel
Outer body Material	M.S. Powder Coated/Stainless Steel 304
Type	Bench top
Refrigerant	R134a (CFC FREE)
Temperature Range	-10°C AMBIENT
Temperature Stability	±1°C
Temperature Control Mode	PID
Insulation Material	PUF
Pump Flow	30 LPM
Pump Power	55 W
Reservoir Volume	6.5 L / 12 L / 22 L
Inlet/Outlet	1/2-inch female NPT
Dimensions (L×W×H)	20 X 20 X 28 inch (6.5L) 22 X 22 X 31 inch (12L) 25 X 24 X 35 inch (22L)
Weight	44 Kg / 54 Kg / 60 Kg
Power Supply	230V, 50Hz
Noise Level Max	65 dB
Ambient to 0°C (Time)	15 min

OPTIONAL ACCESSORIES

Castor Wheels with Brake	Y Nozzle for dual Inlet/Outlet
IQ/OQ/PQ Certificate	Extra insulated rubber tubes for longer distances
2000 W heater for heating upto 70°C	

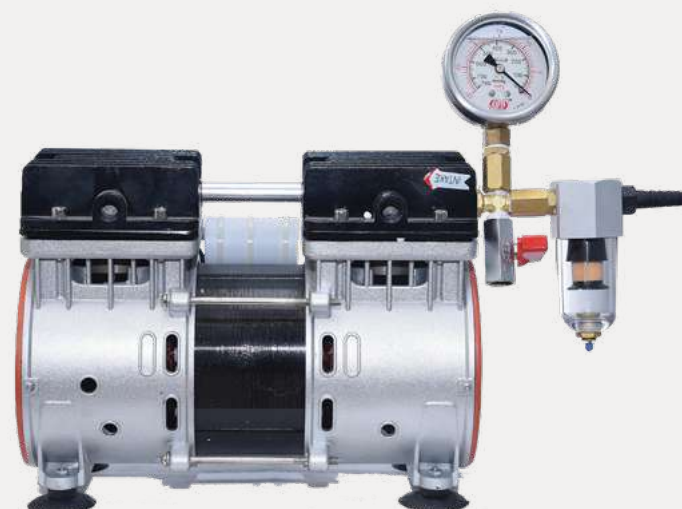
CHILLER (PT-80)

CATALOGUE NO.	TANK CAPACITY (L)	TEMPERATURE RANGE (°C)	FLOW RATE(LPM)	RATE (₹)
Mild steel powder coated outer body				
PT-80/05	6.5	-10	30	89950/-
PT-80/10	12	-10	30	104950/-
PT-80/15	22	-10	40	139950/-
304 grade Stainless Steel outer body				
PT-80A/05	6.5	-10	30	109500/-
PT-80A/10	12	-10	30	129500/-
PT-80A/15	22	-10	40	169500/-





PT-89/20
DIAPHRAGM TYPE VACUUM PUMP



PT-89/35
OIL FREE VACUUM PUMP

PT-89

Vacuum pumps are used for:

- Scientific Research: Creating low-pressure environments for experiments in physics, chemistry, and material science.
- Medical and Laboratory Applications: Supporting equipment like mass spectrometers, electron microscopes, and vacuum ovens.
- Industrial Processes: Assisting in processes like vacuum packaging, degassing, and vacuum forming.
- HVAC Systems: Evacuating air and moisture from refrigeration and air conditioning systems before charging with refrigerant.
- Aerospace Engineering: Simulating high-altitude conditions for testing and developing aircraft and spacecraft components.
- Pharmaceutical Manufacturing: Aiding in processes such as freeze-drying and solvent recovery.

PT-89 DIAPHRAGM TYPE VACUUM PUMP

(HSN-84141000)

A portable diaphragm type vacuum pump cum air compressor, oil free, lightweight.

	Max Flow Ltr./Min.	Max. Vacuum (in Hg.)	Max. Press (PSIG)	Motor H.P.	Rate
PT-89/05	15	22"	25	1/20	9950/-
PT-89/10	15	27"	35	1/16	14450/-
PT-89/15	45	22"	40	1/8	15950/-
PT-89/20	60	27"	60	1/4	19950/-
PT-89/25	Vacuum Gauge with Regulator for Above Pumps (HSN-84141000)				1950/-
PT-89/30	28	27"	-	1/4	28950/-
	CHEMICAL RESISTANT PUMP Diaphragms and valve made of teflon (Vacuum Gauge & Regulator) (HSN-84141000)				
PT-89/35	PISTON TYPE WITH GEL FILLED GAUGE & AIR FILTER (HSN-84141000)				34950/-
	Free Air Displacement (Ltr./Min.)	Max. Vacuum (in Hg.)	Motor H.P.	App Weight kg.	Dimension
	60	29.5"	0.75	9	300 x 130x 180 mm



PT-90
PHOTO CHEMICAL REACTOR

**PT-90,
PT-92 &
PT-93**

Photochemical reactors are used for:

- Chemical Synthesis: Producing compounds via light-induced reactions, including pharmaceuticals.
- Environmental Studies: Degrading pollutants and treating water and air.
- Photocatalysis: Enhancing reactions with light-activated catalysts for green chemistry.
- Material Science: Developing and testing light-responsive materials like photoresists and polymers.
- Biochemical Research: Studying light-induced processes in biological systems.
- Water Treatment: Disinfecting and purifying water with UV light.
- Solar Energy Research: Improving solar cells and solar fuel production.

PT-90 PHOTO CHEMICAL REACTOR

Srinivasan - Griffin - Rayonet Type) The reactor comprises of 8 ultraviolet tubes, fitted in a heavy metal enclosure with a stainless steel highly polished reflector. Two clamping rods are provided for holding the suspended glass reactor. A cooling fan is provided at the base of the reactor. Complete with switches, indicator lights, plug and cord. A magnetic stirrer is provided for continuous stirring during radiation, complete with two pieces of teflon coated magnetic rotors.

(HSN-90275090)

42950-00/-

PT-92 QUARTZ TUBE

With B-19 socket sealed at the bottom, length 50 cm., dia. 25 mm. For use with reactor PT-90

(HSN-70171000)

7250-00/-

PT-93 BOROSILICATE GLASS TUBE

With B-19 socket sealed at the bottom, length 50 cm., dia. 25 mm. For use with reactor PT-90.

(HSN-70179090)

975-00/-

PT-96, 97, 98 PHOTO CHEMICAL REACTOR ASSEMBLY

MODEL	DESCRIPTION	RATE
PT-96	Comprising of a transparent quartz probe with B-45 cone with outer jacket of borosilicate glass having B-45 socket and a B-75 cone fitted with inlet and outlet tubes. A cooling jacket of borosilicate glass with B-75 socket with inlet and outlet tubes is also provided. Capacity : 100 ml. or 200 ml.	29950-00/-
	(HSN-70179090)	
PT-97	It is similar to model PT-96, but complete assembly including the probe is made of borosilicate glass.	7950-00/-
	(HSN-70179090)	
PT-98	Comprising of a transparent quartz probe with B-45 cone. An outer jacket of borosilicate glass with B-45 socket, inlet and outlet tube is provided.	24950-00/-
	(HSN-70179090)	

PT-100 ULTRA VIOLET LAMP

(125 watt) With choke for photo chemical reactor assemblies no. PT-96, PT-97 and PT-98. 3950-00 /-
(HSN-853931)

PT-100/05 ULTRA VIOLET LAMP

(125 watt) For above. 1750-00/-



PT-101
HEATING MANTLES

PT-101 & PT-102

Heating mantles are used for:

- Chemical Laboratories: Heating flasks and containers uniformly during chemical reactions.
- Organic Synthesis: Providing controlled heating for reactions involving organic compounds.
- Distillation: Maintaining precise temperatures for distilling liquids.
- Extraction: Facilitating the extraction of compounds from mixtures through heat application.
- Educational Demonstrations: Teaching heating and reaction techniques in academic settings.
- Pharmaceutical Research: Conducting experiments that require consistent heating for drug development.
- Biotechnology: Supporting processes like enzyme reactions and cell culture incubation.

PT- 101 HEATING MANTLES

(HSN-84198990)

CATALOGUE NO. ITEM'S DESCRIPTION

PT-101	HEATING MANTLES WITH ENERGY REGULATOR, INDICATOR LIGHT & ELECTRIC CORD			
	Capacity	Watts	Circuits	Rates
PT-101/10	100 ml.	100	1	2150-00/-
PT-101/15	250 ml.	200	1	2350-00/-
PT-101/20	500 ml.	300	1	2450-00/-
PT-101/25	1 litre	350	1	2750-00/-
PT-101/30	2 litre	450	1	3150-00/-
PT-101/35	3 litre	450	1	3750-00/-
PT-101/40	5 litre	600	1	4250-00/-
PT-101/45	10 litre	2 x 600	2	6500-00/-
PT-101/50	20 litre	3 x 600	3	9750-00/-
PT-101/60	Energy regulator spare			400-00/-
PT-101/65	Indicator light spare			90-00/-
PT-101/75	Three core wire with plug & socket (HSN-84198990)			395-00/-

PT- 102 SPARE HEATING MANTLE WITH COILS

(HSN-84198990)

PT-102 FOR REPLACEMENT IN THE HEATING MANTLES

Catalogue No.	Size of Flasks	Watts	Rates
PT-102/10	100 ml.	60	450-00/-
PT-102/15	250 ml.	150	495-00/-
PT-102/20	500 ml.	200	550-00/-
PT-102/25	1 litre	300	650-00/-
PT-102/30	2 litre	450	750-00/-
PT-102/35	3 litre	450	850-00/-
PT-102/40	5 litre	600	1195-00/-
PT-102/45	10 litre	2 x 600	2450-00/-
PT-102/50	20 litre	3 x 600	4500-00/-



**PT-105
SOXHLET EXTRACTION UNIT**

PT-105, PT-106 & PT-108

Soxhlet extraction apparatus is used for:

- Natural Products: Extracting compounds from solids like plants for essential oils.
- Analysis and Purification: Extracting components from mixtures for chemical analysis.
- Environmental Testing: Extracting pollutants from soil and sediment for analysis.
- Food and Beverage: Extracting flavors and additives for quality control.
- Pharmaceutical Research: Extracting active ingredients for drug development.
- Forensic Science: Extracting drugs from biological samples for analysis.

PT-105 SOXHLET EXTRACTION UNIT

Every flask recess is provided with a pilot lamp and a regulator or toggle switch. The built in energy regulators are provided to facilitate good control of temperature. External cases are finished with heat and mar resistant epoxy-polyster paint.

(HSN-84198990)

CATALOGUE NO.	ITEM'S DESCRIPTION				RATE
	Capacity ml.	Total Watts at 230V	No. of flask recess	No. of regulators	No. of switches
PT-105/05	250	600	3	3	9250-00/-
PT-105/10	500	900	3	3	9500-00/-
PT-105/15	1000	1050	3	3	10950-00/-
PT-105/20	250	1200	6	6	14950-00/-
PT-105/25	500	1800	6	6	15950-00/-
PT-105/30	1000	2100	6	6	18500-00/-
Soxhlet Extracation Heating Unit with glass parts					
PT-105-A/05	Unit of 3 test, 250 ml with 3 regulator (with glass parts)				13975-00/-
PT-105-A/10	Unit of 3 test, 500 ml with 3 regulator (with glass parts)				15950-00/-
PT-105-A/15	Unit of 6 test, 250 ml with 6 regulator (with glass parts)				24950-00/-
PT-105-A/20	Unit of 6 test, 500 ml with 6 regulator (with glass parts) (HSN-84198990)				29500-00/-

PT- 106 SPARE GLASS PART

Complete with one flask and bulb condenser with interchangeable joints. (HSN-70179090)

CATALOGUE NO.	ITEM'S DESCRIPTION				RATE
	Capacity of Flask ml.	Cap. of Extractor	Socket Size of Extractor	Cone Size of Extractor	Rate
PT-106/05	50	20	B 24	B 19	1325-00/-
PT-106/10	100	40	B 29	B 24	1375-00/-
PT-106/15	100	60	B 34	B 24	1400-00/-
PT-10620	150	60	B 34	B 24	1425-00/-
PT-106/25	250	100	B 34	B 24	1475-00/-
PT-106/30	250	100	B 40	B 24	1575-00/-
PT-106/35	500	200	B 50	B 24	2150-00/-
PT-106/40	1000	400	B 50	B 24	3250-00/-
PT-106/45	2000	600	B 50	B 24	3750-00/-
PT-106/50	3000	1000	B 55	B 34	6550-00/-
PT-106/55	5000	2000	B 55	B 34	13450-00/-

PT-108 SOXHLET EXTRACTION HEATER HOTPLATE TYPE

With six hot plate of 4½" dia and 6 energy regualtor provided with rods clamps & boss heads for glass parts (without glass parts)

(HSN-84198990)

15950-00/-



PT-109
CRUDE FIBRE ESTIMATION APPARATUS
HOT PLATE TYPE



PT-110
TEFLON ASSEMBLY

The crude fiber estimation apparatus is used for:

- **Dietary Analysis:** Determining the fiber content in food and feed samples for nutritional labeling and quality control.
- **Feed Analysis:** Assessing the fiber content in animal feed to optimize diets for livestock and pets.
- **Research and Development:** Studying dietary fiber composition and its effects on digestion and health.
- **Quality Assurance:** Ensuring compliance with regulatory standards for fiber content in food products.
- **Environmental Analysis:** Evaluating fiber content in plant materials for ecological studies and biomass analysis.

PT-109,PT-110 & PT-113

PT-109 CRUDE FIBRE ESTIMATION APPARATUS HOT PLATE TYPE

(HSN-84198990)

The apparatus consists of a mild steel housing. Six hot plates of 4½" dia. are mounted on top of the housing and can be operated with individual energy regulator electrically operated on 220/230 volts mains. Maximum power total rating is 900 was AC. The apparatus is supplied complete with six tall form spoutless beakers, six bulb type condensers and clamps for holding glass parts.

26950-00/-

PT-109/05 SPARE CONDENSOR

For crude fiber with tall from spoutless beaker.

2250-00/-

(HSN-70179090)

PT-110 TEFLON ASSEMBLY

With Four Glass Tubes(One Set) for crude fiber

(HSN-39269099)

8500-00/-

PT-113 IMMERSION HEATER

IMMERSION HEATER (ISI Mark) Auto cut 220 volt AC suitable for the boiling

(HSN-85161000)

CATALOGUE NO.	ITEM'S DESCRIPTION	RATE
PT-113/05	Kettle Element 1 K.W	1150-00/-
PT-113/10	Kettle Element 1.5 K.W	1350-00/-
PT-113/15	Kettle Element 2.0 K.W	1550-00/-
PT-113/20	Immersion heater nipple type, bent, 1.5 K.W., suitable for water baths	895-00/-
PT-113/25	Immersion heater nipple type, bent, 2.0 K.W., suitable for water baths	995-00/-
PT-113/30	Immersion heater nipple type, straight.	895-00/-

PT-122
MELTING POINT APPARATUS

This apparatus is very useful in the determination of the melting point of any substance in small quantity upto 300°C.

(HSN-90314900) 4750-00/-

CATALOGUE NO.	ITEM'S DESCRIPTION	RATE
PT-122/10	MELTING POINT CAPILLARIES SUPERIOR QUALITY 75 MM (100 pieces pack) (HSN-70179090)	150-00/-
PT-122/15	MELTING POINT CAPILLARIES SUPERION QUALITY 100 mm (100 pieces pack) (HSN-70179090)	195-00/-

PT-125
PRECISION DIGITAL MELTING POINT APPARATUS

This is a compact instrument designed for accurate determinations of melting points of solid samples. The unit consists of a built in magnetic stirrer, an electronic controller for adjusting the rate of heating of silicon oil bath, an ON/OFF switch, a pilot lamp, magnifier, a glare free illuminated background , a HIGH/LOW range selector switch and a digital temperature indicator with PT-100 sensor. The outer body is made of 304 grade stainless steel.

The range of the apparatus is from about 2°C above room temperature upto 300°C, with readability 1°C. The apparatus is supplied with 175 ml. silicon oil for use upto 300°C and a box of capillaries.

(HSN-90314900) 28950-00/-



PT-122
MELTING POINT APPARATUS

PT-125
PRECISION DIGITAL MELTING POINT
APPARATUS



PT-130
ANAEROBIC CULTURE JAR B.T.L TYPE

Modified mcintosh and fildes pattern, all metal construction consisting of a stainless steel jar with a top flange recessed for a torodial rubber sealing ring and a cover held in place by a strong bridge clamp. The cover is fitted with two needle valves for evacuation and a sachet containing a catalyst. A side arm on the jar is provided for connecting to semi solid lucas indicator.

(The jar is supplied without semi solid lucas indicator). With Pressure cum Vacuum Gauge.

(HSN-90279090) 11950-00/-

CATALOGUE NO.	ITEM'S DESCRIPTION	RATE
REPLACEMENT PARTS OF ANAEROBIC JARS		
PT-130/05	Catalyst in monel sachet	1500-00/-
PT-130/10	Rubber sealing ring	150-00/-

PT-132
CULTURE JAR ANAEROBIC (POLYCARBONATE)

Modifited MCINTOSH and fildes pattern, for the safe growth of anaerobes by utilising a catalyst which is active above tightening 0° C. The heavy polycarbonate jar 23 cm, high x15cm. dia has top surface ground flat and the metal cover fitted with a torodial sealing ring is held in place by hand ghtening only. The cover is fitted with two needle valves for evacuation and filling and a sachet containing the catalyst With Pressure Gauge.

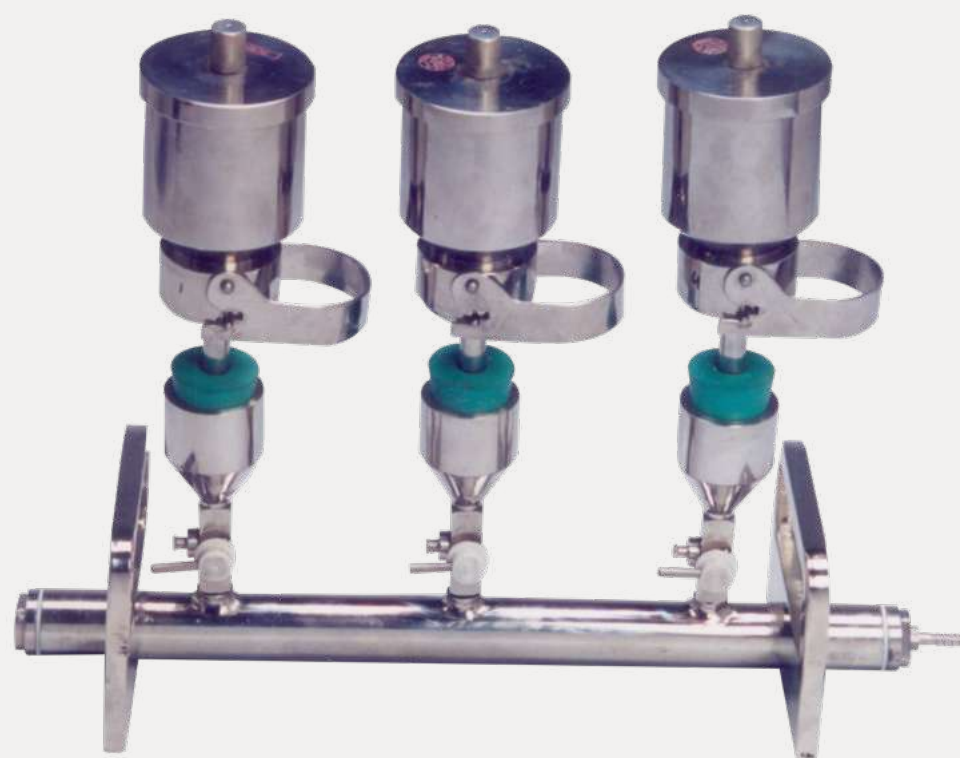
(HSN-90279090) 21950-00/-



PT-130
ANAEROBIC CULTURE JAR B.T.L TYPE

PT-132
CULTURE JAR ANAERONIC (POLYCARBONATE)





PT-134/55
VACUUM FILTER HOLDERS MANIFOLD



PT-134-05
VACUUM FILTER HOLDERS

Vacuum filter holders are used for:

- Laboratory Filtration**: Separating solids from liquids under vacuum.
- Sample Preparation**: Preparing samples for analysis by removing particulates.
- Microbiology**: Filtering culture media and solutions.
- Environmental Monitoring**: Analyzing water samples for pollutants.
- Industrial Processes**: Ensuring product purity through filtration.

PT-134



PT-134 VACUUM FILTER HOLDER

These mechanism are used in microbiological quality control e.g. of water, beer, wine , soft drinks & other laboratory reagents. Analytical determination e.g. of metal particles in lubrication oil & iron oxides in boiler water. Stainless steel and borosilicate glass frit filter support gives optionally uniform distribution of retained bacteria or particles on the memberane filter surface. It can be flamed to sanitize between samples without membranes.

(HSN-84212900)

PT-134/05 STAINLESS STEEL VACUUM FILTER HOLDER

Consists of lid with teflon sealing ring, 250ml funnel. Base clamp to connect filter section, detachable 47mm filter disk, silicone gasket ring with rubber cork to connect with 1000 ml. borosilicate filter flask.

(HSN-84212900)

6250-00/-

PT-134/10 VACUUM FILTER HOLDER, SYRINGE PATTERN

For filtering & cleaning small volumes of liquids, 25mm disk without membrane.

(HSN-84212900)

1450-00/-

PT-134/15 BOROSILICATE GLASS VACUUM FILTER HOLDER

Consisting of funnel reservoir graduated in increments fixed sintered disk in filtration section with special grinding to support membrane, anodized aluminum clamp & heavy wall filter flask.

(HSN-70179090)

	DISK DIA MM	FUNNEL CAP ML	FILTER FLASK CAP ML	STANDARD JOINT/RUBBER FITTING	Rate
PT-134/35	25	25	250	Standard	2875-00/-
PT-134/40	25	50	500	Standard	3075-00/-
PT-134/45	47	300	1000	Standard	5175-00/-
PT-134/50	47	300	2000	Standard	5975-00/-

PT-134/55 FILTER FUNNEL MANIFOLD FAR STERILITY TEST

This mechanism is to accept upto three 47 mm dia filter funnels. This mechanism can be connected in series to the same vacuum source to expand capacity if required. Large support base provides excellent stability each of the three vacuum outlets has leak-proof, two-way stopcock & a vent to accepts filter funnel through silicon rubber cork.

(HSN-84212900)

32500-00/-

PT-134/60 FILTER FUNNEL MANIFOLD STERILITY TEST

To accepts upto six 47mm Dia filter funnels in series with six stainless steel funnels.

(HSN-84212900)

53500-00/-



PT-135
SODIUM WIRE PRESS

For extruding sodium and other alkali metals. This is made of heavy iron casting and mild steel. The press fits on abench by a single half inch bolt with two legs over hanging the edge of a bench to prevent rotation of the press. The plunger is machined integral with the operating screw and OK. The receiver bottle can be placed on a table which is fixed to the press and is adjustable in height. The machine is supplied with one stainless steel die for extruding sodium into wire of 1 mm. dia. (HSN-90279090) 11500/-

OPTIONAL ACCESSORIES FOR PT - 135
PT-135/05

Stainless steel die with 1 mm. hole for sodium 1250/-

PT-138
FLOW CUP VISCOMETERS

It consists of a cup having different viscosity range. It is used for measuring the viscosity of paints, varnishes, lacquers and other viscous products, complete with stand. As per I.S. specifications.

(HSN-90278010)

	TYPE	VISCOSITY RANGE (APPROX.) STOCKS	USED FOR	Rate
PT-138/05	B-2	UPTO 0.5	Spirit Lacquers	4250-00/-
PT-138/10	B-3	0.5 - 1.2	Heavy Liquids	4250-00/-
PT-138/15	B-4	0.8 - 2.5	Heavy Liquids	4250-00/-
PT-138/20	B-5	1.5 - 5.0	Heavy Liquids	4250-00/-
PT-138/25	B-6	6.0	Heavy Liquids	4250-00/-



PT-135
SODIUM WIRE PRESS



PT-138
FLOW CUP VISCOMETERS



PT-139
FLOW CUP VISCOMETER

With Certificate from NABL approved laboratory) as per I.S. specification 3944

(HSN-90278010)

9500/-

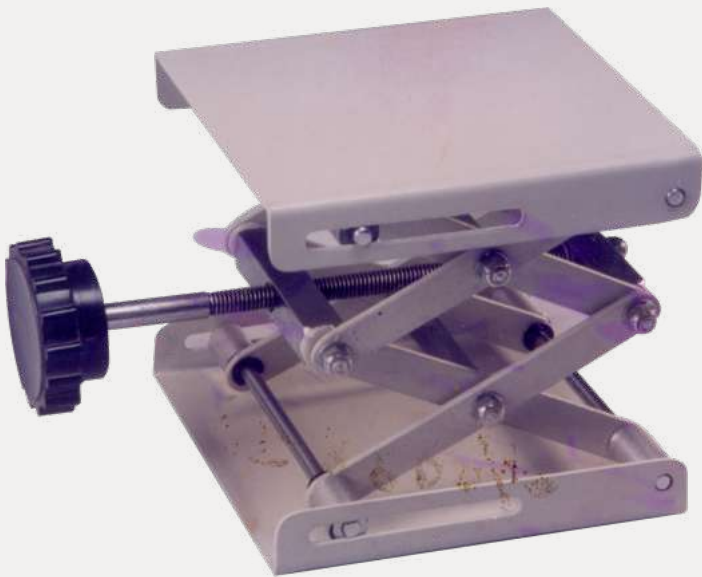
PT-140
LABORATORY JACKS

An all purpose constructed from stainless steel, aluminum or mild steel. Suitable for hot plates, burners, baths, glassware & many other items. It is a knob operated scissor action lifting mechanism for quick, easy & accurate height adjustment. Aluminum & mild steel jacks are finished with a thick layer of expoxy based polyester paint, which provides a strong highly scratch & chemical resistant surface

(HSN-84254900)

2150-00 /-

	MATERIAL	HEIGHT	TOP PLATE SIZE	RATE
PT-140/10	Mild Steel	230 mm	15x15 cm	1695-00/-
PT-140/15	Mild Steel	330 mm	20x20 cm	2295-00/-
PT-140/20	Mild Steel	400 mm	25x25 cm	2995-00/-
PT-140/50	Stainless Steel 304 grade	230 mm	15x15 cm	4295-00/-
PT-140/55	Stainless Steel 304 grade	330 mm	20x20 cm	5595-00/-
PT-140/60	Stainless Steel 304 grade	400 mm	25x25 cm	7500-00/-



PT-140
LABORATORY JACKS





**PT-145
CATALYTIC HYDROGENATION**

**PT-145,
PT-150 &
PT-155**

Catalytic hydrogenation apparatus is used for:

- Chemical Synthesis: Catalyzing the addition of hydrogen to unsaturated compounds to produce saturated compounds.
- Industrial Processes: Manufacturing various chemicals and pharmaceuticals requiring hydrogenation reactions.
- Food Industry: Hydrogenating oils and fats to alter their physical properties, such as reducing unsaturation.
- Research and Development: Investigating new catalysts and reaction conditions for efficient hydrogenation processes.
- Fine Chemicals: Producing specialty chemicals and intermediates through selective hydrogenation reactions

PT-145, 150, 155 CATALYTIC HYDROGENATION

LOW PRESSURE SHAKER TYPE (HSN-90279020)

MODEL	PT-145	PT-150	PT-155
Rate	75950/-	88950/-	96950/-
Motor unit	H.P. 0.25 1440 R.P.M 230 VOLTS	H.P. 0.25 1440 R.P.M 230 VOLTS	H.P. 0.25 1440 R.P.M 230 VOLTS
Reaction bottle material	SS 316 grade	SS 316 grade	SS 316 grade
Reaction bottle capacity	500 ml	1000 ml	2000 ml
Supply tank material	SS 316 grade	SS 316 grade	SS 316 grade
Supply tank capacity	4 litres	5 litres	5 litres
Pressure gauge	0 to 7 kg/cm ²	0 to 7 kg/cm ²	0 to 7 kg/cm ²
Body	Mild steel powder coated	Mild steel powder coated	Mild steel powder coated
Dimensions (L×W×H)	30 X 25 X 17 inch	34 X 27 X 18 inch	34 X 27 X 20 inch
Weight	60 Kg	70 Kg	75 Kg
Power Supply	230V, 50Hz, 1 phase	230V, 50Hz, 1 phase	230V, 50Hz, 1 phase
Working temperaure	Ambient to 100°C	Ambient to 100°C	Ambient to 100°C
Gas inlet assembly	2 way	2 way	2 way
Gas connecting assembly to reaction vessel	3 way	3 way	3 way

SPARE PARTS FOR CATALYTIC HYDROGENATION PT-156

MODEL NO.	ITEM	DESCRIPTION	RATE
PT-156/05	Electric heater	For heating upto 100 °C	2750/-
PT-156/10	Temperature control unit	Heater operated by a knob	2975/-
PT-156/15	Aluminium block	For holding 250 ml reaction bottle in place of 500 ml bottle (For PT-145)	600/-
PT-156/20	Aluminium block	For holding 500 ml reaction bottle in place of 1000 ml bottle (For PT-150)	800/-
PT-156/25	Aluminium block	For holding 1000 ml reaction bottle in place of 2000 ml bottle (For PT-155)	1000/-
PT-156/30	Reaction bottle	SS 316 , 250 ml, (Pressure tested)	6950/-
PT-156/35	Reaction bottle	SS 316 , 500 ml, (Pressure tested)	7950/-
PT-156/40	Reaction bottle	SS 316 , 1000 ml, (Pressure tested)	9950/-
PT-156/45	Reaction bottle	SS 316 , 2000 ml, (Pressure tested)	12500/-
PT-156/50	V Belt	High strength rubber belt	300/-
PT-156/55	Silicon Bush	For 250/500 ml bottle	950/-
PT-156/60	Silicon Bush	For 1000/2000 ml bottle	1150/-



**PT-158
VORTEX SHAKER**



**PT-169
FLASK SHAKER WRIST ACTION**



**PT-165
ROTARY SHAKERS**

Rotary shakers are used for:

- Laboratory Mixing: Agitating and mixing liquid or solid samples in flasks or bottles.
- Cell Culture: Providing gentle agitation for cell growth and maintenance in biotechnology and microbiology.
- Chemical Reactions: Facilitating homogeneous mixing during chemical reactions and synthesis.
- Diagnostics: Mixing reagents and samples in diagnostic assays and tests.
- Food and Beverage: Mixing ingredients in food processing and beverage production for homogenization.

**PT-158,
PT-160 &
PT-165**

PT-158 VORTEX SHAKER

(Test Tube Shaker) Vibration type, variable speed, vortex genie short rapid eccentric stroke and motor driven. Neoprene cap imparts vigorous agitation to tube or small flasks. Shaking starts when vessel is pressed against cup, with ON/OFF switch and indicator, vacuum rubber fitted at the boom to prevent movement.

(HSN-84798200)

5950/- each

PT-160 ROTARY SHAKERS ORBITAL SHAKING

It has a uniform circular motion in horizontal plane, rotation effect ranges from a gentle rise and fall of the liquid to a vigorous swirling. All positions on the platform receive identical agitation.

(HSN-84798200)

CATALOGUE NO.	PLATFORM SIZE	FLASK CAPACITY	NO. OF FLASK	RPM & TIMER	RATE
PT-160/05	22" X 22"	250 ml	25	-	43950-00/-
PT-160/10	22" X 22"	100 ml	36	-	43950-00/-
PT-160/15	18" X 18"	250 ml	16	-	26950-00/-
PT-160/20	12" X 12"	250 ml	9	-	13950-00 /-
Provided with digital RPM, digital timer and touch on off switches.					
PT-165/05	22" X 22"	250 ml	25	DIGITAL	53950-00/-
PT-165/10	22" X 22"	100 ml	36	DIGITAL	53950-00/-
PT-165/15	18" X 18"	250 ml	16	DIGITAL	36950-00/-
PT-165/20	12" X 12"	250 ml	9	DIGITAL	23950-00/-

PT-169 FLASK SHAKER WRIST ACTION TYPE

This mechanism is made from heavy steel sheet & finished with a thick layer of epoxy based polyester paint. This shaker can accept 4 or 8 flask up to 1000 ML capacity. The metal case is mounted on four rubber feet to absorb vibration. The electronic speed control is step less.. Supplied complete with side arms, clamps & key fied with F.H.P. motor to work on 220 volts AC.50 Hz.

(HSN-84798200)

CAT NO.	ITEM DESCRIPTION	RATE
PT-169/05	To accept 4 flask	24950-00/-
PT-169/10	To accept 8 flask	26950-00/-

PT-173
WILLY GRINDER OR LAB WILLY MILL
(ARTHUR THOMAS TYPE)

Willy grinder is provided with polished hupper with cover, three delivery sieves 20, 40 and 60 mesh respectively, plastic receiver vessel, A removeable plaxi glass plate. On the face of the grinding chamber is provided which permits observation during operation. works on 220 volts ac with 1/4 H.P. Motor.

(HSN-84798200)

CAT NO.	ITEM DESCRIPTION		RATE
	CHAMBER SIZE (IN MM)	WORKING AREA (CHAMBER & BLADES)	
PT-173/05	40 X 25	Mild Steel	32950-00/-
PT-173/10	65 X 25	Mild Steel	34950-00/-
PT-173/15	100 X 50	Mild Steel	49950-00/-
PT-173/20	40 X 25	Stainless Steel	36950-00/-
PT-173/25	65 X 25	Stainless Steel	39950-00/-
PT-173/30	100 X 50	Stainless Steel	58950-00/-



PT-173
WILLY GRINDER OR LAB WILLY MILL



PT-185 TO 187
MAGNETIC STIRRER WITH HOT PLATE

Stirring Capacity	• 1, 2, 5 Liters	
Plate MOC	SS 304	
Cabinet MOC	Powder coated MS / SS 304	
Temperature Controller	Analog / Digital	
Dimension (W x D) in mm	• 150x150 190 x190	
Wattage	300 W	
Power supply	220 Volts 50 Hz	
Optional	- Digital RPM Display - Any specific dimensions	- NABL Calibrated Controller - IQ, OQ & PQ Documentation

(HSN-84198990)

CATALOGUE NO.	PLATE SIZE (MM)	HEATING POWER (W)	MAX CAPACITY (L)	TEMP. CONTROLLER	RATE (₹)
Mild steel powder coated outer body					
PT-185	150 x 150	300	2	ANALOG	7950/-
PT-186	190 x 190	300	5	ANALOG	8950/-
304 Grade Stainless Steel outer body (with digital RPM display)					
PT-187	150 x 150	300	2	DIGITAL	15950/-
PT-188	190 x 190	300	5	DIGITAL	17950/-



PT-185
MAGNETIC STIRRER WITH HOT PLATE



PT-187
MAGNETIC STIRRER WITH HOT PLATE



PT-193
LABORATORY STIRRER

(HSN-84790000)

TECHNICAL SPECIFICATIONS

RPM	200-2500	
Motor	24 V 25 W T3000 RPM	
Speed regulator	Speed regulator in separate box	
Standard fittings	- Height adjustable Stand - Cast iron base - SS 304 Shaft - SS 304 Blade (37 mm sweep)	
Power supply	220 Volts 50Hz	

CATALOGUE NO.	RPM CONTROLLER	RATE (₹)
PT-193/05	ANALOG	13950/-
PT-193/10	DIGITAL	18950/-



PT-193
LABORATORY STIRRER



PT-194
TISSUE HOMOGENISERS

PT-194
TISSUE HOMOGENISERS (Low Speed)

It is suitable for low speed homogenisation of tissue and also small volume low speed stirring applications. Low speed operation provides high torque for grinding and homogenising of animal or vegetable tissues. Provided with glass cup with teflon (P.T.F.E.) pestle having stainless steel shaft, capacity 30 ml and variable speed controlled from 200 to 2400 RPM.

(HSN-84798200)

13950-00/-

PT-196
RUBBER BUSH

For stirring (6 or 8mm)

195-00/-

PT-200
TEFLON PESTLE TISSUE HOMOGENISERS (GRINDER)

Consisting of piston type teflon pestle with serrated tip fitted to a stainless steel rod and a grinding vessel of borosilicate glass for the preparation of tissue homogenates.

(HSN-84798200)

CATALOGUE NO.	WORKING CAPACITY	RATE (₹)
PT-200/05	5 ml	725/-
PT-200/10	10 ml	975/-
PT-200/15	30 ml	1225/-
PT-200/20	55 ml	1525/-
PT-200/25	100 ml	1975/-

PT-205
TEFLON MAGNETIC ROTORS

CATALOGUE NO.	LENGTH X DIA	RATE (₹)
PT-205	TEFLON/P.T.F.E COATED MAGNETIC ROTORS/NEEDLES	
PT-205/05	12 X 8 MM	140/-
PT-205/10	18 X 8 MM	175/-
PT-205/15	25 X 8 MM	200/-
PT-205/20	30 X 8 MM	250/-
PT-205/25	35 X 8 MM	300/-
PT-205/30	50 X 9 MM	375/-
PT-205/35	Teflon Policeman 300mm	1250/-



PT-210
PULVERIZER

LABORATORY PULVERIZER

TECHNICAL SPECIFICATIONS 165000/-

Motor Capacity	3 HP
Power supply	3 Phase, 50 Cycles, 440 Volts AC
Disc Dia	175 mm
Feed Size	8 mm
Finished Product	100-150 Mesh

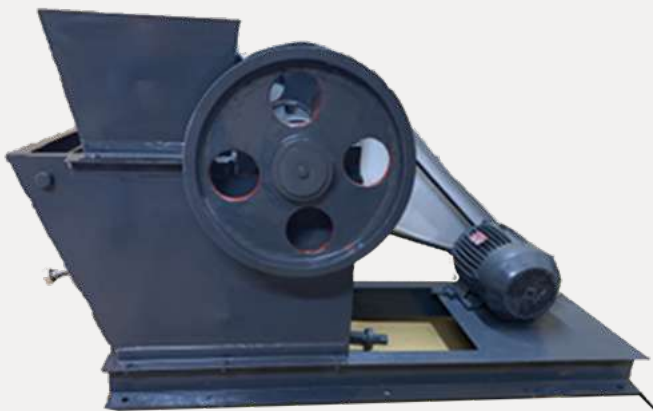
PT-211
JAW CRUSHER

MECHANICAL JAW CRUSHER

MODEL NO.	PT-211/05	PT-211/10	PT-211/15
Rate	255000/-	145000/-	120000/-
Motor unit	7.5 HP 3 Phase 440 VOLTS Make - Crompton	5 HP 3 Phase 440 VOLTS Make - Crompton	3 HP 3 Phase 440 VOLTS Make - Crompton
Jaw crusher size	10x12 inch	6x8 inch	4x6 inch
Input Size	100 to 150 mm	50 to 100 mm	50 mm
Output size	10 to 20 mm	5 to 20 mm	2 to 15 mm
Capacity (per hour)	1.5 Ton	500 to 600 kg	100 to 200 kg



PT-210
PULVERIZER



PT-211
JAW CRUSHER



For support: +91-9896030622 popular1942@gmail.com http://www.populartradersindia.com

PT-215
STUFFING BOX GLAND

All teflon/P.T.F.E. without pulley.
(HSN-39269099)

CAT NO.	ITEM DESCRIPTION	RATE (₹)
	SIZE OF CONE TO FIT STIRRER SHAFT	
PT-215/10	B-19 6 mm	675 -00/-
PT-215/15	B-19 8 mm	675-00/-
PT-215/20	B-24 6 mm	895-00/-
PT-215/25	B-24 8 mm	895-00/-
PT-215/30	B-29 8 mm	1100-00/-
PT-215/35	B-29 10 mm	1100-00/-
PT-215/40	B-34 8 mm	1300-00/-
PT-215/45	B-34 10 mm	1300-00/-

PT-220
TEFLON (P.T.F.E.) BLADE STIRRERS

TEFLON (P.T.F.E.) BLADE STIRRERS: The teflon blades can be removed and are mutually interchangeable with the glass shafts, these factors simplify assembly, cleaning and also reduce breakages. These are designed to sweep close to vessel walls and will not cause scratching.
(HSN-70179090)

CAT NO.	ITEM DESCRIPTION	RATE (₹)
	APPROX. SHAFT DIA. (IN MM) SHAFT LENGTH (IN MM) SMALLEST NECK BLADE THROUGH SOCKET	
PT-220/05	6 450 B-19 52	500-00/-
PT-220/10	8 450 B-19 52	500-00/-
PT-220/15	6 450 B-24 76	650-00/-
PT-220/20	8 450 B-24 76	650-00/-
PT-220/25	8 600 B-24 76	700-00/-
PT-220/30	10 450 B-24 76	700-00/-
PT-220/35	8 450 B-29 100	795-00/-
PT-220/40	8 600 B-29 100	795-00/-
PT-220/45	10 600 B-34 100	850-00/-
PT-220/50	10 600 B-34 125	1100-00/-
PT-220/55	10 600 B-50 150	1250-00/-

PT-221
RUBBER BUSH

For Stirring (6 or 8 mm.).
(HSN-70179090)

195-00/-

PT-222
TEFLON (P.T.F.E.) BLADED STIRRERS

All Teflon Bladed Stirrer 10mm x 450mm with 75 mm Blade.
(HSN-70179090)

1450-00/-



For support: +91-9896030622 popular1942@gmail.com http://www.populartradersindia.com

PT-250
WATER BATH
TECHNICAL SPECIFICATION

Temperature	Ambient+5 to 100°C
Temperature Accuracy	± 0.5°C
Temperature Uniformity	± 1°C
Temperature controller	<div><div></div><div>Thermostatic rotary knob/ PID</div><div>PID Temperature controller</div></div>
Display	<div><div></div><div>PID temperature controller</div><div>LED display of SV & PV</div><div>Auto Tuning Feature</div></div>
Construction	Double walled
Inner MOC	SS 304
External MOC	Powder coated MS / SS 304
Insulation	Glass wool
Lid	<div><div></div><div>Nylon Concentric rings 75 mm dia. / Pyramid Shape</div></div>
Power supply	220 Volts 50 Hz
Optional	<div><div></div><div>IQ, OQ & PQ Documentation</div><div>NABL Calibrated Controller</div><div>Base tray</div></div>



PT-250
WATER BATH



PT-252
SEROLOGICAL WATER BATH



PT-250 WATER BATH (75MM HOLES)

(HSN-84198990)

CATALOGUE NO.	CHAMBER SIZE (MM)	NO. OF 75MM HOLES	CAPACITY (L)	TEMP. CONTROLLER	RATE (₹)
Mild steel powder coated outer body					
PT-250/05	300 x 150 x 100	3	4	THERMOSTATIC	7950/-
PT-250/10	300 x 235 x 100	6	6	THERMOSTATIC	11950/-
PT-250/15	500 x 300 x 100	8	13	THERMOSTATIC	14950/-
PT-250A/05	300 x 150 x 100	3	4	DIGITAL	15950/-
PT-250A/10	300 x 235 x 100	6	6	DIGITAL	19950/-
PT-250A/15	500 x 300 x 100	8	13	DIGITAL	22950/-
304 grade Stainless Steel outer body					
PT-250B/05	300 x 150 x 100	3	4	DIGITAL	19950/-
PT-250B/10	300 x 235 x 100	6	6	DIGITAL	24950/-
PT-250B/15	500 x 300 x 100	8	13	DIGITAL	27950/-

PT-252
SEROLOGICAL WATER BATH

(HSN-84198990)

CATALOGUE NO.	CHAMBER SIZE (MM)	CHAMBER CAPACITY (L)	NO. OF RACKS	TEMP. CONTROLLER	RATE (₹)
Mild steel powder coated outer body					
PT-252/05	300 x 150 x 200	8	2	THERMOSTATIC	11950/-
PT-252/10	300 x 235 x 200	12	4	THERMOSTATIC	13950/-
PT-252/15	500 x 300 x 200	28	6	THERMOSTATIC	15950/-
PT-252A/05	300 x 150 x 200	8	2	DIGITAL	19950/-
PT-252A/10	300 x 235 x 200	12	4	DIGITAL	21950/-
PT-252A/15	500 x 300 x 200	28	6	DIGITAL	25950/-
304 grade Stainless Steel outer body					
PT-250B/05	300 x 150 x 100	8	2	DIGITAL	24950/-
PT-250B/10	300 x 235 x 100	12	4	DIGITAL	27950/-
PT-252B/15	500 x 300 x 200	28	6	DIGITAL	30950/-



PT-255 WATER BATH SINGLE WALL

(HSN-84198990)

Rectangular water bath is suitable for evaporating liquids like alcohol or for melting solids such as agar. Concentric rings can be removed to accommodate containers of various sizes.

CONSTRUCTIONS Single wall chamber made of high quality 304 grade stainless steel provide with ISI mark 1000 Watts heating device. This chamber is built in constant level device & having holes of 3" diameter with concentric rings.

CAT NO.	ITEM DESCRIPTION			RATE (₹)
	SIZE OF CHAMBER (IN MM)	NO. OF HOLES	DIA OF HOLE (IN MM)	
PT-255/05	350 X 250 X 100	6	75	5250-00/-
PT-255/10	400 X 300 X 100	12	75	6995-00/-
PT-255/15	Spare heater for water bath (ISI mark) (Kettle Type)			1350-00/-

PT-257 WATER BATH (For Dye Pots)

It consists of six stainless steel cups of 250 ml. capacity. It has a thermostatic control, indicator light and a heater of 1.5 KW.

PT-266 CYLINDRICAL OIL BATH

(HSN-84198990)

CATALOGUE NO.	FLASH CAPACITY (L)	DIA/HEIGHT (INCH)	TEMP. CON-TROLLER	RATE (₹)
PT-266/05	2	6" X 6"	Thermostatic	9950/-
PT-266/10	3	8" X 8"	Thermostatic	13950/-
PT-266/15	5	10" X 10"	Thermostatic	14950/-
PT-266/20	2	6" X 6"	Digital	16950/-
PT-266/25	3	8" X 8"	Digital	20950/-
PT-266/30	5	10" X 10"	Digital	21950/-

PT-267 CYLINDERICAL WATER BATH

(HSN-84198990)

Double wall with stainless steel inner chamber & stand of flask thermostatic controlled.

CAT NO.	ITEM DESCRIPTION	RATE (₹)
PT-267/05	Suitable for 5 litre flask	11500-00 Each
PT-267/10	Suitable for 10 litre flask	13500-00 Each

PT-280 HIGH PRECISION WATER BATH

This water bath provides consistent temperature control over the range ambient to 110°C for numerous applications where temperature uniformity and stability are important specially for experiments or research works.

CONSTRUCTIONS

The inner chamber consists of thick stainless steel tank housed in a powder coated outer case filled with high-grade insulation to prevent heat loss. It is provided with a glass window for an easy inside view and a powerful stirring system to ensure good temperature uniformity through out the bath. The ISI mark heaters are controlled from ambient to 110° C. This unit is fitted with Digital Temperature Controller cum Indicator.

WORKING CHAMBER SIZE 450 x 375 x 375

(HSN-84198990)

42950-00 /-

PT-295 ULTRA SONIC BATH (SONICATOR)

ULTRASONIC (Ultra sound) is the sound which human being cannot hear. Ultrasound utilizes frequencies from and above 18KHz (18,000 cycles per second). High Frequency electrical energy is converted into ultrasound waves by means of ultrasonic transducers, which are bonded on the base of S.S. cleaning Tank. These high frequency sound waves create in the liquid countless, Microscopic vacuum bubbles which rapidly expand and collapse.

(HSN-84198990)

CAT NO.	CAPACITY	TANK SIZE (L X B X H) MM	WATTAGE	RATE (₹)
PT-295/05	2 Litre	240 x 135 x 65	60 W	21950-00/-
PT-295/10	3 Litre	300 x 150 x 100	120 W	24950-00/-
PT-295/15	6 Litre	300 x 150 x 150	200 W	42000-00/-



**PT-280
HIGH PRECISION WATER BATH**



**PT-305
WATER STILL TABLE MODEL**



**PT-315
DISTILLATION ASSEMBLY**

PT-305, 315

Water distillation apparatus is used for:

- Purification: Producing high-purity water by separating it from contaminants and dissolved solids.
- Laboratory Use: Providing distilled water for experiments and analytical procedures where high water purity is required.
- Medical and Pharmaceutical: Producing sterile water for medical procedures and pharmaceutical formulations.
- Quality Control: Ensuring water quality in industries such as food and beverage, where water purity is critical.
- Environmental Analysis: Preparing water samples for analysis of pollutants and contaminants.
- Educational Purposes: Demonstrating principles of distillation in educational settings.

PT-300 WATER STILL (AUTOMATIC)

Electrically operated, for pyrogen free distilled water the main body is made of stainless steel sheet. A triple vapour baffle of stainless steel is provided, the lid gets automatically sealed by water forming in a recess in the head of the lid and this minimises the loss of steam. The stated output of the stills is approximate as it is bound to vary according to the voltage of the mains. The still is provided with wall brackets. (HSN-84194090)

CAT NO.	CAPACITY	RATING kW		RATE (₹)
PT-300	4 Litre	3.0 kW	Wall Model	11500-00/-

PT-305 WATER STILL TABLE MODEL

Made of stainless steel insulated boiling chamber to prevent heat loss and a special borosilicate glass condenser (Cap. 4 Litre Approx.) (HSN-84194090)

19950-00/-

PT-315 DISTILLATION ASSEMBLY (HSN-70179090)

CATALOGUE NO.	FLASH CAPACITY (L)	STAGE	RATING (W)	RATE (₹)
PT-315/05	3	Single	900	19500/-
PT-315/10	5	Single	1100	19950/-
PT-315/15	10	Single	1200	24500/-
PT-315/20	3	Double	1800	35000/-
PT-315/25	5	Double	2200	37950/-
PT-315/30	10	Double	2400	47950/-
PT-315/35	3	Triple	2700	51500/-
PT-315/40	5	Triple	3300	55950/-
PT-315/45	10	Triple	3600	72000/-

SPARE PARTS FOR PT-315

PT-315/50	Spare flask capacity 3 litre with heater	9950/-
PT-315/55	Spare flask capacity 5 litre with heater	10950/-
PT-315/60	Spare flask capacity 10 litre with heater	15950/-
PT-315/65	Condenser for 3 litre & 5 Litre distillation	3450/-
PT-315/70	Condenser for 10 Litre distillation	3995/-
PT-315/75	Automatic cut-off device for single distillation	4850/-
PT-315/80	Automatic cut-off device for double distillation	5950/-
PT-315/85	Automatic cut-off device for triple distillation	6950/-
PT-315/90	Constant Level Cup For Distillation	600/-
PT-315/95	Receiver Adapter For Distillation	450/-
PT-315/100	Connecting Adapter For Distillation	650/-
PT-315/105	Stand for single Distillation for 3,5,10 Litre Flask	4250/-



**PT-316
QUARTZ DISTILLATION APPARATUS**

PT-316 & PT-317

Water distillation apparatus is used for:

- Purification: Producing high-purity water by separating it from contaminants and dissolved solids.
- Laboratory Use: Providing distilled water for experiments and analytical procedures where high water purity is required.
- Medical and Pharmaceutical: Producing sterile water for medical procedures and pharmaceutical formulations.
- Quality Control: Ensuring water quality in industries such as food and beverage, where water purity is critical.
- Environmental Analysis: Preparing water samples for analysis of pollutants and contaminants.
- Educational Purposes: Demonstrating principles of distillation in educational settings.

PT-316 QUARTZ DISTILLATION APPARATUS

WATER DISTILLATION APPARATUS Quartz boiler with in built heater and borosil glass condenser, complete with stand, clamps etc. Conductivity of distilled water produced is 1.0 to 1.5 $\mu\text{S}/\text{cm}$ and pH 6-7 suitable for HPLC. (HSN-84194090)

CATALOGUE NO.	ITEM'S DESCRIPTION	RATE (₹)
PT-316/05	Output approx. 2.5 Lt./Hr. with auto thermal sensor cut off.	54500-00/-
PT-316/10	-do- output approx. 5.0 Lt./Hr. with auto thermal sensor cut-off.	69500-00/-

PT-317 QUARTZ DOUBLE DISTILLATION APPARATUS

(HSN-84194090)

All Quartz Double Distillation Apparatus Quartz Boiler with in built heater and Quartz condenser complete with stand and clamp etc. Conductivity of distilled water produced is 0.1 to 0.5 $\mu\text{S}/\text{cm}$.)

CATALOGUE NO.	ITEM'S DESCRIPTION	RATE (₹)
PT-317/05	Output approx. 1.5 Lt./Hr. with auto thermal sensor cut-off.	119000-00/-
PT-317/10	-do- output approx. 2.5 Lt./Hr. with auto thermal sensor cut-off.	145000-00/-
PT-317/15	-do- output approx. 5 Lt./Hr. with auto thermal sensor cut-off.	230000-00/-



PT-320
HOT PLATE ROUND



PT-330
HOT PLATE RECTANGULAR

PT-320 & PT-330

Hot plates are used for various applications, including:

- Laboratory Heating: Heating glassware and solutions in scientific research and experimentation.
- Chemical Reactions: Providing controlled heating for chemical synthesis and reactions.
- Sample Preparation: Heating samples for analysis or processing in laboratories.
- Cooking: Heating and cooking food in kitchens, particularly in educational or industrial settings.
- Medical Applications: Heating substances for medical treatments or sterilization processes.
- Industrial Processes: Heating materials or components in manufacturing and production processes.



TECHNICAL SPECIFICATIONS OF HOT PLATE

Plate Design	Rectangular and Round
Temperature	Up to 300°C
Temperature Accuracy	± 0.5°C
Temperature Uniformity	± 1°C
Heating plate surface	Stainless Steel 304 / Cast Iron
Cabinet MOC	Powder coated MS / SS 304
Controller	Thermostatic controller / Digital Controller
Power supply	220 Volts 50Hz
Optional	<ul style="list-style-type: none"> • IQ, OQ & PQ Documentation • NABL Calibrated Controller

PT-320

HOT PLATE ROUND

(HSN-84198990)

CATALOGUE NO.	PLATE SIZE	TOP PLATE MATERIAL	BODY MATERIAL	TEMP. CONTROLLER	RATING (KW)	RATE (₹)
Mild steel powder coated outer body						
PT-320/05	8"	CAST IRON	MILD STEEL	ENERGY REGULATOR	1.5	4450/-
PT-320/10	12"	CAST IRON	MILD STEEL	ENERGY REGULATOR	1.5	5750/-
PT-320/15	8"	COIL TYPE	MILD STEEL	ENERGY REGULATOR	1.2	4450/-
304 Grade Stainless Steel outer body						
PT-320A/05	8"	SS	SS	DIGITAL	1.5	14995/-

PT-330

HOT PLATE RECTANGULAR

CATALOGUE NO.	PLATE SIZE	TEMP. CONTROLLER	RATING (KW)	RATE (₹)
PT-330/05	250 x 300 x 150	ENERGY REGULATOR	1	8995/-
PT-330/10	250 x 400 x 150	ENERGY REGULATOR	1	9995/-
PT-330/15	300 x 450 x 150	ENERGY REGULATOR	2	11500/-
PT-330/20	450 x 600 x 150	ENERGY REGULATOR	3	21500/-
PT-330/25	250 x 300 x 150	DIGITAL	1	15995/-
PT-330/30	250 x 400 x 150	DIGITAL	1	16995/-
PT-330/35	300 x 450 x 150	DIGITAL	2	19500/-
PT-330/40	450 x 600 x 150	DIGITAL	3	31500/-





**PT-350
MUFFLE FURNACE**

PT-350

Hot plates are used for various applications, including:

- Laboratory Heating: Heating glassware and solutions in scientific research and experimentation.
- Chemical Reactions: Providing controlled heating for chemical synthesis and reactions.
- Sample Preparation: Heating samples for analysis or processing in laboratories.
- Cooking: Heating and cooking food in kitchens, particularly in educational or industrial settings.
- Medical Applications: Heating substances for medical treatments or sterilization processes.
- Industrial Processes: Heating materials or components in manufacturing and production processes.



PT-350 MUFFLE FURNACE

(HSN-85141000)

TECHNICAL SPECIFICATION

Max. Temperature	900°C
Continuous operating temp.	900°C
Heating element	KANTHAL wire
Thermocouple	K Type
Heating chamber MOC	Sillimanite Muffle
Exterior MOC	Powder coated MS / SS 304
Door	Swing type insulated solid door
Temperature controller	<ul style="list-style-type: none"> • PID temperature controller • LED display of SV & PV • Auto Tuning Feature
Power supply	220V/50Hz
Accessories	<ul style="list-style-type: none"> • High temperature safety gloves • Crucible tong - Operating manual
Optional	<ul style="list-style-type: none"> • Data logger with USB Interface • Vent hole for fume exhaust • IQ, OQ & PQ Documentation • Automatic voltage stabilizer • NABL Calibrated Controller • Cooling fan for control pane

P.O.R

CATALOGUE NO.	MUFFLE SIZE (MM)	CAPACITY (L)	RATING (KW)	TEMP. CONTROLLER	RATE (₹)
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Mild Steel Powder coated outer body

PT-350/05	100 X 100 X 225	2	1.6	THERMOSTATIC	23950/-
PT-350/10	125 X 125 X 250	4	2.0	THERMOSTATIC	26950/-
PT-350/15	150 X 150 X 300	6	3.0	THERMOSTATIC	32950/-
PT-350/20	200 X 200 X 300	12	3.5	THERMOSTATIC	45950/-

Temperature controlled by digital temperature controller with two indicating lights

PT-350A/05	100 X 100 X 225	2	1.6	DIGITAL	33950/-
PT-350A/10	125 X 125 X 250	4	2.0	DIGITAL	36950/-
PT-350A/15	150 X 150 X 300	6	3.0	DIGITAL	44950/-
PT-350A/20	200 X 200 X 300	12	3.5	DIGITAL	58950/-

304 grade Stainless Steel outer body (GMP MODEL)

PT-350B/05	100 X 100 X 225	2	1.6	DIGITAL	45950/-
PT-350B/10	125 X 125 X 250	4	2.0	DIGITAL	48950/-
PT-350B/15	150 X 150 X 300	6	3.0	DIGITAL	58950/-
PT-350B/20	200 X 200 X 300	12	3.5	DIGITAL	75950/-





PT-352
MUFFLE FURNACE GROOVED TYPE

PT-352

Hot plates are used for various applications, including:

- Laboratory Heating: Heating glassware and solutions in scientific research and experimentation.
- Chemical Reactions: Providing controlled heating for chemical synthesis and reactions.
- Sample Preparation: Heating samples for analysis or processing in laboratories.
- Cooking: Heating and cooking food in kitchens, particularly in educational or industrial settings.
- Medical Applications: Heating substances for medical treatments or sterilization processes.
- Industrial Processes: Heating materials or components in manufacturing and production processes.

PT-352

MUFFLE FURNACE GROOVED TYPE

(HSN-85141000)

TECHNICAL SPECIFICATION

Max. Temperature	1200°C
Continuous operating temp.	1200°C
Heating element	KANTHAL wire
Thermocouple	K Type
Heating chamber MOC	Sillimanite Muffle grooved type
Exterior MOC	Powder coated MS / SS 304
Door	Swing type insulated solid door
Temperature controller	<ul style="list-style-type: none"> • PID temperature controller • LED display of SV & PV • Auto Tuning Feature
Power supply	220V/50Hz
Accessories	<ul style="list-style-type: none"> • High temperature safety gloves • Crucible tong • Operating manual
Optional	<ul style="list-style-type: none"> • Data logger with USB Interface • Vent hole for fume exhaust • IQ, OQ & PQ Documentation • Automatic voltage stabilizer • NABL Calibrated Controller • Cooling fan for control panel

P.O.R

CATALOGUE NO.	MUFFLE SIZE (MM)	CAPACITY (L)	RATING (KW)	PHASE	TEMP. CONTROLLER	RATE (₹)
Mild Steel Powder coated outer body						
PT-352/05	125 X 125 X 250	4	4.0	SINGLE	DIGITAL	62500/-
PT-352/10	150 X 150 X 300	6	4.5	DOUBLE	DIGITAL	67950/-
PT-352/15	200 X 200 X 300	12	6.0	TRIPPLE	DIGITAL	78950/-
PT-352/20	300 X 300 X 300	27	10.0	TRIPPLE	DIGITAL	95000/-
304 grade Stainless Steel outer body (GMP MODEL)						
PT-352/05	125 X 125 X 250	4	4.0	SINGLE	DIGITAL	74950/-
PT-352/10	150 X 150 X 300	6	4.5	DOUBLE	DIGITAL	83950/-
PT-352/15	200 X 200 X 300	12	6.0	TRIPPLE	DIGITAL	98950/-
PT-352/20	300 X 300 X 300	27	10.0	TRIPPLE	DIGITAL	119500/-



**PT-360
HUMIDITY CHAMBER**

PT-360

Humidity chambers are used for:

- **Material Testing:** Assessing how materials respond to different humidity levels.
- **Quality Control:** Testing product durability under varying humidity conditions.
- **Plant Growth:** Cultivating plants requiring specific humidity environments.
- **Seed Germination:** Providing optimal conditions for seed development.
- **Microbiology:** Cultivating microorganisms under controlled humidity.
- **Pharmaceutical Storage:** Maintaining drug stability in controlled humidity environments.
- **Environmental Testing:** Simulating effects of humidity on materials and products.

PT-360 HUMIDITY CHAMBER

An all purpose humidity chamber specifically designed for drying environment of animal and plant growth, investigation of vapour, proofness of packed materials, determination of di-electric strength, insulation tests of electrical components and other tests requiring an atmosphere of controlled temperature and humidity. A strong double walled chamber with the inner chamber made of thick S.S. sheet and the outer body made of thick M.S. sheet. The door is also double walled having glass window for inspection, the humidity is controlled by a sensitive humidistat having a range from 40 to 95% fitted inside the chamber with hygrometer. Forced air circulation by turbo blowers is provided along with Stainless Steel water tank in the side of the chamber. The temperature and Humidity is controlled by a Digital Temperature & Humidity Controller with Display. The indicating lights, controller knobs have been provided on the side panel. (HSN - 84198990)

CATALOGUE NO.	HWD (MM)	CAPACITY (L)	TEMP. RANGE	RATE (₹)
PT-360/25	600 X 600 X 600	220	10°C TO 55°C	139950/-
PT-360/30	900 X 600 X 600	330	10°C TO 55°C	149950/-
PT-360-B	Provided with 304 GRADE STAINLESS STEEL OUTER BODY & fitted with digital temperature & humidity control with display. (HSN - 84198990)			
PT-360A/25	600 X 600 X 600	220	10°C TO 55°C	169950/-
PT-360A/30	900 X 600 X 600	330	10°C TO 55°C	185000/-



PT-400 HOT AIR OVEN

(HSN-85141000)

TECHNICAL SPECIFICATIONS

Temperature range	Ambient +10°C to 250°C
Temperature accuracy	±0.5°C or better
Temperature Uniformity	± 1°C
Temperature sensor	RTD PT100
Temperature controller	<ul style="list-style-type: none"> PID temprature controller Display of SV & PV Auto Tuning Feature
Construction	Double walled
Inner chamber	Stainless steel 304
Exterior	MS Powder coated / SS 304
Insulation	Glass wool insulation
Shelves	SS 304 Perforated
Door	<ul style="list-style-type: none"> Insulated door Door catcher ABS handle
Door insulation	Glass wool insulation With asbestos sheet protection
Air circulation	Motor driven blower
Vent port	fume vent port
Power supply	220 Volts / 50 Hz



PT-400A/10
HOT AIR OVEN



PT-400B/10
HOT AIR OVEN



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HOT AIR OVEN

CATALOGUE NO.	CHAMBER SIZE (MM)	CAPACITY (L)	SHELVES	RATING (W)	TEMPERA-TURE CON-TROLLER	RATE (₹)
Mild steel powder coated outer body						
PT-400/05	300 X 300 X 300	27	1	750	THERMOSTAT	13950/-
PT-400/10	355 X 355X 355	45	2	800	THERMOSTAT	14950/-
PT-400/15	455 X 455 X 455	95	2	1500	THERMOSTAT	21950/-
PT-400/20	455 X 455 X 605	125	2	2000	THERMOSTAT	28950/-
PT-400/25	605 X 605 X 605	220	2	2000	THERMOSTAT	37950/-
PT-400/30	605 X 605 X 910	330	3	3000	THERMOSTAT	49950/-
Temperature controlled by digital temperature controller						
PT-400A/05	300 X 300 X 300	27	1	750	DIGITAL	27950/-
PT-400A/10	355 X 355X 355	45	2	800	DIGITAL	29950/-
PT-400A/15	455 X 455 X 455	95	2	1500	DIGITAL	35950/-
PT-400A/20	455 X 455 X 605	125	2	2000	DIGITAL	44950/-
PT-400A/25	605 X 605 X 605	220	2	2000	DIGITAL	54950/-
PT-400A/30	605 X 605 X 910	330	3	3000	DIGITAL	65950/-
304 grade Stainless Steel outer body (GMP MODEL)						
PT-400B/05	300 X 300 X 300	27	1	750	DIGITAL	36950/-
PT-400B/10	355 X 355X 355	45	2	800	DIGITAL	39950/-
PT-400B/15	455 X 455 X 455	95	2	1500	DIGITAL	48950/-
PT-400B/20	455 X 455 X 605	125	2	2000	DIGITAL	58950/-
PT-400B/25	605 X 605 X 605	220	2	2000	DIGITAL	72500/-
PT-400B/30	605 X 605 X 910	330	3	3000	DIGITAL	84950/-
High Temperature oven up to 300 degree C						
PT-400E/05	355 X 355X 355	45	2	2000	DIGITAL	37950/-
PT-400E/10	455 X 455 X 455	95	2	3000	DIGITAL	45950/-
PT-400E/15	605 X 605 X 605	220	2	4000	DIGITAL	65950/-
Optional						
			<ul style="list-style-type: none"> Data logger with USB interface Over temperature thermostat Caster wheels 50 mm validation port hole to insert sensor or wire Automatic voltage stabilizer IQ/OQ/PQ Documentation 			P.O.R



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**PT-410
BACTERIOLOGICAL INCUBATOR**

PT-410

Bacteriological incubators are used for:

- Microbiology: Cultivating and maintaining bacterial cultures under controlled temperature conditions.
- Cell Culture: Providing a stable environment for growing cells in research and medical laboratories.
- Food Testing: Incubating samples to detect and quantify bacteria in food and beverage industries.
- Research and Development: Conducting experiments that require controlled temperature for biological processes.
- Environmental Monitoring: Incubating samples to analyze microbial activity in environmental studies.

PT-410 BACTERIOLOGICAL INCUBATOR

(HSN-85141000)

TECHNICAL SPECIFICATION

Temperature range	Ambient+10°C to 80°C
Temperature accuracy	±0.5°C
Temperature Uniformity	± 1°C
Temperature sensor	PT100
Temperature controller	<ul style="list-style-type: none"> • PID temprature controller • Display of SV & PV • Auto Tuning Feature
Inner chamber	SS 304
Exterior Cabinet	MS Powder coated / SS 304
Insulation	Glass wool
Shelves	SS 304 Perforated
Door	<ul style="list-style-type: none"> • Insulated door • Door catcher • ABS handle • Glass window
Air circulation	Motorized blower
Power supply	220 Volts / 50 Hz
Optional	<ul style="list-style-type: none"> - Data logger w/ USB interface - IQ/OQ/PQ Documentation - NABL Calibrated Controller -Automatic voltage stabilizer

CATALOGUE NO.	CHAMBER SIZE (MM)	CAPACITY (L)	SHELVES	RATING (W)	TEMPERATURE CONTROLLER	RATE (₹)
Mild steel powder coated outer body						
PT-410/05	300 X 300 X 300	27	1	250	THERMOSTAT	13950/-
PT-410/10	355 X 355X 355	45	2	300	THERMOSTAT	14950/-
PT-410/15	455 X 455 X 455	95	2	300	THERMOSTAT	21950/-
PT-410/20	605 X 605 X 605	220	3	500	THERMOSTAT	37950/-
Temperature controlled by digital temperature controller						
PT-410A/05	300 X 300 X 300	27	1	250	DIGITAL	27950/-
PT-410A/10	355 X 355X 355	45	2	300	DIGITAL	29950/-
PT-410A/15	455 X 455 X 455	95	2	300	DIGITAL	35950/-
PT-410A/20	605 X 605 X 605	220	3	500	DIGITAL	54950/-
304 grade Stainless Steel outer body (GMP MODEL)						
PT-410B/05	300 X 300 X 300	27	1	250	DIGITAL	36950/-
PT-410B/10	355 X 355X 355	45	2	300	DIGITAL	39950/-
PT-410B/15	455 X 455 X 455	95	2	300	DIGITAL	48950/-
PT-410B/20	605 X 605 X 605	220	3	500	DIGITAL	72500/-



PT-415
VACUUM OVEN



PT-415/10
VACUUM OVEN

Vacuum ovens are used for:

- Drying: Removing moisture from heat-sensitive materials.
- Heat-Sensitive Processing: Preventing degradation during drying.
- Laboratory Testing: Controlled heating and drying under vacuum.
- Chemical Processing: Purifying and curing materials.
- Industrial Applications: Processing components in various industries.

PT-415



PT-415 VACUUM OVEN

(HSN-85143090)

MODEL	PT- 415
Temperature Range	Ambient 250°C
Temperature Accuracy	+/- 1°C
Temperature Controller and Display	PID Control , Digital Display
Vacuum Gauge	Analogue
Shelf Type	1 SS 304 Grade Perforated Shelf Size – 11" X 11"
Heating Technology	Nichrome Wire Heating (Kanthall Make)
Material of Outer Body	MS / SS 304 GRADE
Material of Inner Chamber	THICK JOINTLESS 304 GRADE STAINLESS STEEL
Chamber Dimension	DIA 12" X DEPTH 12" (22 L)
Insulation Type	Glass Fibre
Attainable Vacuum	750 mmHg
Other Features	Reliaable Inlet/Outlet Valves, Toughened Glass Window for Viewing, Circular Chamber for easy cleaning, Silicone Rubber Gasket to prevent leakage
IQ/OQ/PQ Documentation	Available on Request
Typical User Target	Pharma/Food , Research Labs
Sample Applications	<ul style="list-style-type: none"> • Gentle drying of heat-sensitive materials • Fast drying • Residue-free drying of intricately designed parts • Elimination of oxidation associated with heat treatment • Targeted recovery of degassed products • Drying of powders • Drying at high temperatures

P.O.R

CATALOGUE NO.	HEATING POWER (W)	MAX CAPACITY (L)	TEMP. CONTROLLER	RATE (₹)
Mild steel powder coated outer body				
PT-415/10	1000	22	DIGITAL	61950/-
304 grade Stainless Steel outer body				
PT-415/20	1000	22	DIGITAL	81950/-



PT-417
BOD INCUBATOR

CATALOGUE NO.	CHAMBER SIZE (MM)	CAPACITY (CU FT.)	CAPACITY (L)	SHELVES	TEMP. CONTROLLER	RATE (₹)
Mild steel powder coated outer body						
PT-417/05	825 X 505 X 415	6.1	173	2	DIGITAL	99950/-
PT-417/10	850 X 600 X 500	8	227	2	DIGITAL	107950/-
PT-417/15	880 X 550 X 550	10	283	3	DIGITAL	117950/-
PT-417/20	900 X 650 X 580	12	340	3	DIGITAL	134950/-
304 grade Stainless Steel outer body (GMP MODEL)						
PT-417A/05	825 X 505 X 415	6.1	173	2	DIGITAL	129950/-
PT-417A/10	850 X 600 X 500	8	227	2	DIGITAL	137950/-
PT-417A/15	880 X 550 X 550	10	283	3	DIGITAL	149950/-
PT-417A/20	900 X 650 X 580	12	340	3	DIGITAL	169950/-



PT-417
BOD INCUBATOR



PT-417
BOD INCUBATOR

(HSN-84198990)

MODEL	PT- 417
TEMPERATURE RANGE	5°C to 60°C
TEMPERATURE ACCURACY	± 0.5°C
TEMPERATURE UNIFORMITY	± 1°C
TEMPERATURE SENSOR	PT-100
TEMPERATURE CONTROLLER	- PID temperature controller - LED display of SV & PV - Auto Tuning Feature
CONSTRUCTION	Double walled with Glass Wool insulation
INNER CONSTRUCTION	Stainless Steel 304 grade
EXTERIOR CONSTRUCTION	Powder Coated MS sheet / SS 304"
EXTERIOR DOOR	NICHROM WIRE HEATING (KANTHALL MAKE)
INNER DOOR	Acrylic door to view samples
TRAYS	SS 304 perforated trays (removable)
INTERIOR ILLUMINATION	LED Light
HEATING ELEMENT	Mica / SS tubular (250 W)
REFRIGERATION SYSTEM	CFC Free Compressor (R134a)
AIR CIRCULATION	Axial fan
POWER SUPPLY	220 Volts 50 Hz
OPTIONAL	<ul style="list-style-type: none">• RS485 computer interface• Data logger with USB Interface• Temperature High / Low alarm• Over temperature thermostat• 50 mm validation port hole to insert sensor or wire• IQ, OQ & PQ Documentation• Automatic voltage stabilizer• NABL Calibrated Controller• 5A socket w/ switch inside chamber
SAMPLE APPLICATIONS	<ul style="list-style-type: none">• Gentle drying of heat-sensitive materials• Fast drying• Residue-free drying of intricately designed parts• Elimination of oxidation associated with heat treatment• Targeted recovery of degassed products• Drying of powders• Drying at high temperatures

P.O.R





**PT-422
INCUBATOR SHAKE**

PT-420 & PT-422

BOD (Biochemical Oxygen Demand) incubators are used for:

- Environmental Monitoring: Assessing the amount of oxygen required for microorganisms to break down organic matter in water samples.
- Microbial Cultivation: Providing controlled conditions for the growth and maintenance of bacteria and other microorganisms.
- Biological Research: Conducting experiments that require precise temperature and humidity control for microbial studies.
- Food and Beverage Industry: Testing the biological stability of products by incubating samples to assess microbial growth.
- Medical and Pharmaceutical: Storing biological samples and maintaining cell cultures under controlled conditions.

PT-420 BOD INCUBATOR WITH ORBITAL SHAKER

It is very suitable for orbital shaking, in variable speeds under controlled temperature.

Construction

The low temperature incubator is made of double walled M.S sheet finished with epoxy based powder coated paint, inner chamber is made of highly polished stainless steel. Two doors are provided. Inner door is made of transparent acrylic for inspecting specimens outer door is insulated and fitted with magnetic tape with lock and key. Temperature range from 5°C to 50°C with an accuracy of $\pm 1^\circ\text{C}$ provided with two air circulating fans, high performance compressor, cooling coils, heating elements, digital temperature control and display is also fitted with a door operated lamp and a caster wheel for easy mobility.

A variable speed regulator is provided on the top panel to control. The r.p.m of shaking tray fixed inside the chamber platform. It can accommodate of 16 flask of 250 ml.

Size of Shaking Incubator Chamber: 850mm x 600mm x 600mm (Height x Width x Depth)

(HSN Code: 84198990)

149500-00/-

PT-422 INCUBATOR SHAKER

Incubator Shaker to accommodate 16 flask of 250 ml. Provided with digital r.p.m indicator and Digital temp. cum controller stainless steel chamber Size 450 x 450 x 450 mm, fitted with variable controller

(HSN Code: 84198990)

85000-00/-

PT-435 KJELDHAL DIGESTION UNIT

(HSN Code: 84198990)

Temperature Range	AMBIENT + 10°C to 400°C
Temperature Accuracy	± 5°C
Temperature Controller	Energy Regulator
Construction	MS Powder coated
No. of Heaters	500 watt x 6
No. of Regulators	6
Fume duct	SS 304 with 6 holes
Stand for fume duct	MS powder coated
Kjeldhal Flask	500 ml long neck
Power supply	220 Volts 50 Hz

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-435/05	Unit of 3 Test with Glass Parts (500 ml flask)	16950-00/-
PT-435/10	Unit of 3 Test with 3 Regulator without glass parts	14250-00/-
PT-435/15	Unit of 6 Test with Glass Parts (500 ml flask)	24950-00/-
PT-435/20	Unit of 6 Test with 6 Regulator without glass parts	22950-00/-



PT-435
KJELDHAL DIGESTION UNIT



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PT-436 GLASS PARTS KJELDHAL FLASK

(HSN-70179090)

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-436	GLASS PARTS for above Kjeldhal flasks for digestion unit borosilicate glass.	
PT-436/05	300 ml	495-00/-
PT-436/15	500 ml	725-00/-
PT-436/15	800 ml	895-00/-
PT-436/30	Fume Duct made of Stainless Steel (3 test)	2750-00/-
PT-436/35	Fume Duct made of Stainless Steel (6 test)	3850-00/-

PT-437 KJELDHAL DRY BLOCK DIGESTION

KJELDHAL DRY BLOCK DIGESTION (40 TUBES) The dry block kjeldhal is an economical, compact, constant temperature heating system suitable for 40 digestion tubes of 75ml. Dry blocks are particularly suitable in the laboratory for digestion, incubation, boiling & variety of industrial applications. The system comprises of a base heated dry block of metal alloy with energy regulator to control the temperature up to 400°C with pyrometer for viewing the temperature Heaters have been fixed at the beneath of the dry block duly embossed. A aluminum rack is provided to protect the test tubes. Without glass digestion tubes Power 2K.W., Single Phase, 230 Volts 50 Hz.

(HSN-84198990)

32500-00/-

PT-437/20

Glass digestion tubes Cap: 75 ml Borosilicate Glass (25cm × 24mm).

225-00/-



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PT-440 KJELDHAL DISTILLATION UNIT

(HSN-84198990)

Temperature Range	AMBIENT + 10°C to 400°C
Temperature Accuracy	± 5°C
Temperature Controller	Energy Regulator
Construction	MS Powder coated
No. of Heaters	500 watt x 6
No. of Regulators	6
Water Circulation Assembly	Made of Brass
Stand	MS pipe powder coated
Glass Assembly	Kjeldhal assembly Borosilicate make 500 ml
Power supply	220 Volts 50 Hz

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-440/ 05	Unit of 3 test, 3 regulators and 3 glass assemblies	24950-00/-
PT-440/10	Unit of 3 test, 3 regulators without glass assemblies	17950-00/-
PT-440/15	Unit of 6 test, 6 regulator and 6 glass assemblies	39950-00/-
PT-440/20	Unit of 6 test, 6 regulators without glass assemblies	24950-00/-



PT-440
KJELDHAL DIGESTION UNIT



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PT-442 DISTILLATION ASSEMBLY

DISTILLATION ASSEMBLY FOR PT-440 Kjeldhal Distillation Assmebly with interchangeable glass joints size B-24. Consisting of kjeldhal flask cap. 500ml., splash head, receiver adapter and receiver flask.

(HSN Code: 84198990)

3450-00/-

PT-442 SPARE HEATER PLATE WITH HEATER

(HSN Code: 84198990)

900-00/-

PT-445 KJELDHAL DIGESTION & DISTILLATION UNIT

One single mild steel tubular stand is provided with two heating shelves on above the other on lower portion. A fume duct and a heater box are supplied for digestion part. The heaters have individual energy regulator for temperature control. Another heater box with condensor rack made of brass rods and tubes are given for distillation part. The whole unit is electrically operated on 240 Volts AC mains, complete with cord and plug. (HSN Code: 84198990)

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-445/ 05	Unit of 6 test, 6 regulator and 6 glass assemblies	64500-00/-
PT-445/10	Unit of 6 test, 6 regulators without glass assemblies	42950-00/-
PT-445/15	Unit of 3 test, 3 regulators and 3 glass assemblies	39950-00/-
PT-445/20	Unit of 3 test, 3 regulators without glass assemblies	29950-00/-

PT-448 COD DIGESTION APPRATUS

This unit is supplied with fifteen sets of glass reaction vessels 200ml and air condensers with digital temperature controller cum display. Temperature range up to 250°C. It is provided with timer up to 2 hrs to work on 220 volts AC 15 Hz. Phase-1

(HSN Code: 84198990)

57950-00/-

PT-448/05
Spare glass part set for COD distillationn appratus



PT-448
COD DISTILLATION APPRATUS



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PT-455
AUTOCLAVE



PT-457
AUTOCLAVE

Autoclaves are used for:

- Sterilization: Ensuring the complete destruction of microorganisms, including bacteria, viruses, and fungi, on medical instruments, laboratory equipment, and materials.
- Laboratory Use: Sterilizing glassware, media, and other materials in research and diagnostic laboratories.
- Medical Settings: Sterilizing surgical instruments, bandages, and other medical supplies to prevent infection.
- Pharmaceutical Industry: Sterilizing containers, production equipment, and materials to ensure product safety and quality.
- Food Industry: Sterilizing food containers and equipment to prolong shelf life and prevent contamination.
- Veterinary Medicine: Sterilizing surgical instruments and equipment used in animal care.

PT-455 PORTABLE AUTOCLAVE

It is made of 304 grade jointless stainless steel vessel capacity 25 Lt. (300 × 300 mm) design as per Pressure cooker type.

(HSN Code: 84192010)

19950-00 /-

PT-457 AUTOCLAVE

(HSN-84192010)

MOC Exterior	SS 304 (mirror finish)
Number of walls	Double
Lid	SS 304
Interior	SS 304 with silicon gasket
Working Pressure	15 to 20 psi
Working Temperature	121 °C
Pressure Display	Analog Dial Gauge
Basket	Stainless Steel Basket
Power Supply	220 Volts 50 Hz
Standard Fittings	<ul style="list-style-type: none"> • Steam release valve • Water outlet valve • Spring loaded safety valve • Power cable with three pin top • Wing nut locking
Optional Accessories	<ul style="list-style-type: none"> • Low water indicator • Automatic pressure switch • Radial locking • Pedal lifting device • Digital PID Controller with timer

CATALOGUE NO.	SIZE (MM)	CAPACITY (LTR.)	RATE (₹)
PT-457/ 05	300 X 550	40	31950-00 each
PT-457/10	350 X 550	50	39950-00 each
PT-457/15	400 X 600	75	68950-00 each
PT-457/20	450 X 600	100	139500-00 each
PT-457/25	500 X 750	150	239500-00 each

PT-455 & PT-457



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**PT-458
AUTOCLAVE**

PT-458 & PT-459

Autoclaves are used for:

- Sterilization: Ensuring the complete destruction of microorganisms, including bacteria, viruses, and fungi, on medical instruments, laboratory equipment, and materials.
- Laboratory Use: Sterilizing glassware, media, and other materials in research and diagnostic laboratories.
- Medical Settings: Sterilizing surgical instruments, bandages, and other medical supplies to prevent infection.
- Pharmaceutical Industry: Sterilizing containers, production equipment, and materials to ensure product safety and quality.
- Food Industry: Sterilizing food containers and equipment to prolong shelf life and prevent contamination.
- Veterinary Medicine: Sterilizing surgical instruments and equipment used in animal care.

PT-458 AUTOCLAVE

Autoclave vertical provided with radical locking and other specifications same as PT-457

(HSN Code: 84192010)

CATALOGUE NO.	SIZE (MM)	CAPACITY (LTR.)	RATE (₹)
PT-458/ 05	300 X 550	40	49950-00/-
PT-458/10	350 X 550	50	66950-00/-
PT-458/15	400 X 600	75	99500-00/-
PT-458/20	450 X 600	100	189500-00/-
PT-458/25	500 X 750	150	295000-00/-

PT-459 OPTIONAL ACCESSORIES FOR AUTOCLAVE

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-459/ 05	Pressure control switch for 40, 50 or 100 litres (HSN-90328990)	14950-00/-
PT-459/15	P.I.D temperature controller for 40, 50 or 100 litres with timer (HSN-90328990)	14500-00/-
PT-459/25	Silicone gasket for 300x 550 Autoclave (HSN-40169340)	1950-00/-
PT-459/30	Silicone gasket for 300x 550 Autoclave (HSN-40169340)	2250-00/-
PT-459/35	Silicone gasket for 400x 600 Autoclave (HSN-40169340)	2650-00/-
PT-459/40	Heating element ISI mark for 40 or 50 litre (HSN-84198990)	1550-00/-
PT-459/45	Heating element ISI mark for 100 litre (HSN-84198990)	2450-00/-

PT-463
ABBE REFRACTOMETER

Designed for accurate and quick examination of the Refractive index, Mean dispersion of liquids, solids and powder

Range	ND 1.300 to ND 1.700 in step of 0.001
Accuracy	+ 0.0002
Sugar (Percentage)	0 to 95% in steps of 1 division
Accuracy	0.5%
Temperature	0 - 100°C

The body of the instrument is fixed having a leaning of 60°, correct refractive index and sugar percentage can be read directly in the field. It consists of a abbe double prism compensator, telescope mirror limb, graduated, sector, reading, magnifier and a radial arm which carries a vernier. Abbe's double prisms leaves a narrow space (about 0.1 mm.) between the adjoining faces of prisms and compensator consists of the amici prisms which serves for rendering the line of achromatic separation. A thermometer is fitted on the double prism.

(HSN Code: 90275020) 14950-00 /-

PT-463/05

CIRCULATED WATER BATH WITH DIGITAL TEMPERATURE CONTROLLER

Abbe double prisms are heated by a double jacketed water bath in which warm water under 70°C circulates. The temperature of the water can be adjusted and read by the thermometer fitted on the double prism.

(HSN Code: 84198990) 14950-00 /-



PT-463/05
ABBE REFRACTOMETER



PT-464
BUTRYO REFRACTOMETER

This instrument can be used for measurement of fats in ghee and other such products giving a reading directly in terms of the oil scale also known as butyro scale. The micrometer eye-piece allows an accuracy on this scale of 0.1 and the oil scale may also be converted into a refractive index scale using conversion tables. This allows measurements on materials with index of refraction in the range of 1.42 to 1.49 with an accuracy of 0.0002 as tables are supplied for converting oil scale reading into index of refraction, relative to mean sodium lines. The prism box is water jacketed for temperature control and a sample achromatising device enables the removal of all colours from the border line thus enabling the instrument to be used with white light. The instrument is provided with a test liquid for checking and resetting the scale if necessary and is encased in a portable wooden box. Refraction range from 1.42 to 1.49 with accuracy of 0.0002 fitted with sugar and oil scale, sugar scale 50-80% and oilscale 0-100%.

(HSN Code: 9027) 13950-00/-

PT-465
HAND REFRACTOMETER

(ERMA MADE IN JAPAN)

(HSN Code: 90275090)

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-465/ 05	0- 32 %	2895-00/-
PT-465/10	0- 50 %	2995-00/-
PT-465/15	28- 62 %	3150-00/-
PT-465/20	58- 92%	3350-00/-



PT-465
HAND REFRACTOMETER



PT-464
BUTRYO REFRACTOMETER



PT-470 STUDENT POLARIMETER

Consists of laurent half shade, polariser, analyser, brass scale graduated from 0 to 360° or 0 - 180° with vernier reading 6" and accommodates a 200 mm. glass tube. It is packed in a card board box.

(HSN Code: 90275030)

5950-00/-

PT-480 RESEARCH POLARIMETER

Used in medical, pharmaceutical and chemical research laboratories. Consists of a imported half shade nicol polariser, analyser, 100 mm. diameter circular scale divided in degrees 0-360° × 1° and a sugar scale divided -30° to + 130° × 1° ISS, a divided micrometer drum is given to read 0.05° (3 minutes) and 0.1° ISS, the scale is properly illuminated for taking readings, the body is very sturdy and separate sodium lamp stand is provided. Complete with polarimeter tube, bubble traps at the centre, 200mm sodium lamp with stand and transformer.

(HSN Code: 90275030)

45950-00 /-

PT-490 RESEARCH POLARIMETER

Same as PT-480 but with 400 mm. tube with sodium lamp, stand and transformer.

(HSN Code: 90275030)

72950-00/-



PT-480
RESEARCH POLARIMETER



POLARIMETER TUBES

Screw Caps and cover glasses, packed in velvet case.

(HSN Code:70179090)

CATALOGUE NO.	DESCRIPTION		RATE (₹)
PT-500/ 05	Length	100 mm, with centre bulb	1275-00/-
PT-500/10	Length	200 mm, with centre bulb	1375-00/-
PT-500/20	Length	400 mm, with centre bulb	1475-00/-
With centre opening, with metallic screw caps and cover glasses. Packed in velvet case.			
PT-505/ 05	Length	100 mm, with centre cup	1325-00/-
PT-505/10	Length	200 mm, with centre cup	1425-00/-
PT-505/20	Length	400 mm, with centre cup	1525-00/-

CARBON AND SULPHUR APPRATUS

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-550	Consisting of a transformer 20 AMP (Series Model), S.S. furnace insulated with ceramic fibre and a wooden frame for glass parts. Thermo-couple Pt/Re, Pyrometer etc. (HSN Code: 90279020)	49950-00/-
PT-552	With digital temperature indicator (HSN Code: 84198990)	58950-00/-
SPARE GLASS PARTS (HSN Code: 70179090)		
PT-555/ 05	Absorption vessel with 3 valves of KOH	3950-00/-
PT-555/ 10	Cabron Burette Double Walled inner tube is permanently graduated with one valve at the top of the burette Size 0.25 %	3950-00/-
PT-555/ 15	Size 0.5 %	3950-00/-
PT-555/ 20	Size 1.5 %	3950-00/-
PT-555/ 25	Size 4.5 %	3950-00/-
PT-555/ 30	Stopcock C bore, T shape	850-00/-
PT-555/ 35	Stop cock L shaped Long glass tube with twin bore stopper	850-00/-
PT-555/ 40	Oxygen purifying assembly	575-00/-
PT-555/ 45	View Bulb for combustion tube	75-00/-
PT-555/ 50	Spiral Cooling condenser	550-00/-
PT-555/ 55	Aspirator Bottle (Levelling Bottle) for carbon burette cap. 1 litre	875-00/-
PT-555/ 60	Thermometer alcohol filled upto 50°C	75-00/-
PT-555/ 65	Sulphur Burette 4 ml	1025-00/-
PT-555/ 70	Titration Vessel 100 ml	1250-00/-
PT-555/ 75	Silicon Carbide Rod	975-00/-
PT-555/ 80	Combustion Tube 24 x 600 mm	1100-00/-
PT-555/ 85	Combustion Tube 22 x 600 mm	1100-00/-
PT-555/ 90	Combustion Boats	10-00/-



PT-585
SIEVE SHAKER (GYRATORY TYPE)

Driven by a 0.25 H.P. motor, 220 volt A.C. through a reduction gear and is suitable to carry upto 7 sieves of 6" or 8" dia. When clamped the sieve table does not rotate but is inclined from the vertical axis and the direction of inclination changes progressively in the clockwise direction. In addition to the gyratory motion of the shaker there is an upward and downward movement at a frequency of 270 r.p.m. The whole mechanism runs in oil bath and the table can be unclamped to give an additional rotary motion with timer switch.

(HSN Code: 84798200) 39950-00/-
PT-585/ 01

SIEVE SHAKER (GYRATORY TYPE) provided with 12" Dia test

(HSN Code: 84798200) 45950-00/-

PT-586
SIEVE SHAKER

(HSN-96040000)

CATALOGUE NO.	B.S.S MESH NO.	ASTM NO.	I.S.S NO.	WIDTH OF APERTURE	RATE (₹)
PT-586/ 05	4	5	480	4.75 MM	1100-00/-
PT-586/ 10	5	6	340	3.35 MM	1100-00/-
PT-586/ 15	6	7	280	2.80 MM	1100-00/-
PT-586/ 20	7	8	240	2.36 MM	1100-00/-
PT-586/ 25	8	10	200	2.00 MM	1100-00/-
PT-586/ 30	10	12	170	1.70 MM	1100-00/-
PT-586/ 35	12	14	140	1.40 MM	1100-00/--
PT-586/ 40	14	16	120	1.18 MM	1100-00/-
PT-586/ 45	16	18	100	1.00 MM	1100-00/-
PT-586/ 50	18	20	85	850 Microns	1100-00/-
PT-586/ 55	22	25	70	710 Microns	1100-00/-
PT-586/ 60	25	30	60	600 Microns	1100-00/-
PT-586/ 65	30	35	50	500 Microns	1100-00/-
PT-586/ 70	36	40	40	425 Microns	1100-00/-
PT-586/ 75	44	45	45	355 Microns	1100-00/-
PT-586/ 80	52	50	30	300 Microns	1100-00/-
PT-586/ 85	60	60	25	250 Microns	1100-00/-
PT-586/ 90	72	70	20	212 Microns	1100-00/-
PT-586/ 95	85	80	18	180 Microns	1100-00/-
PT-586/ 100	100	100	15	150 Microns	1100-00/-
PT-586/ 105	120	120	12	125 Microns	1200-00/-
PT-586/ 110	150	140	10	106 Microns	1300-00/-



PT-586/ 115	170	170	9	90 Microns	1400-00/-
PT-586/ 120	200	200	8	75 Microns	1500-00/-
PT-586/ 125	240	230	7	63 Microns	1600-00/-
PT-586/ 130	300	270	6	53 Microns	1700-00/-
PT-586/ 135	325	300	5	45 Microns	1800-00/-
PT-586/ 140	350	325	4	44 Microns	2200-00/-
PT-586/ 145	400	380	3	40 Microns	2650-00/-

PT-587
LID AND PAN SET

LID and PAN set made of brass for above 1100-00/-

PT-595
COARSE SIEVES

COARSE SIEVES 12' dia, (30 m), GI sheet frame, with steel sheet square punching.

(HSN Code: 96040000) 750-00 /-

125 mm	106 mm	100 mm	90 mm	80 mm
75 mm	63 mm	53 mm	50 mm	45 mm
40 mm	37.5 mm	31.5 mm	26.5 mm	25 mm
22.4 mm	20 mm	16 mm	13.2 mm	12.5 mm
11.2 mm	10 mm	8 mm	6.7 mm	6.3 mm
5.6 mm	4.75 mm			



PT-585
SIEVE SHAKER (GYRATORY TYPE)





**PT-660
CENTRIFUGE MACHINE**

**PT-660,
PT-661,
PT-677 &
PT-678**

Centrifuge machines are used for:

- Laboratory Research: Separating components of a liquid or solid mixture based on density differences.
- Medical Diagnostics: Analyzing blood, urine, and other bodily fluids for diagnostic purposes.
- Biochemistry: Purifying proteins, DNA, RNA, and other biomolecules.
- Industrial Processes: Separating particles or components in manufacturing and production processes.
- Environmental Testing: Analyzing soil, water, and air samples for research and regulatory purposes.
- Quality Control: Testing and analyzing materials in various industries to ensure consistency and purity.

PT-660 CENTRIFUGE MACHINE

Centrifuge Machine Microprocessor based, digital. Body made of rust proof ABS Plastic injection moulding with metallic protection bowl. Lid Lock for safe drive. Equipped with 0-99 minute timer. 2lines of 16 character LCD display of r.p.m., R.C.F., for set and run time. Programmable speed regulator from 500 to 4400 RPM in interval of 100 RPM. Last test parameter recall and displays automatically on LCD.

(HSN Code: 84211999)

29950-00/-

TECHNICAL PARAMETERS WITH SWING OUT HEAD 15 ML 8 TUBE

MOTOR	Universal Motor (with carbon brushes) 1/8 H.P
DIMENSIONS OF OUTER BOX	510 x 510 x 390 mm
CURRENT	220 Volts, 50 Hz A.C

PT-661 CENTRIFUGE MACHINE

Centrifuge Machine Square Body Acrylic Top provided with 60 minutes timer and R.P.M controller with step control.

(Capacity of Tube 15 ml x 6 Tubes)

13500-00/-

CENTRIFUGE TUBE

CATALOGUE NO.	CAPACITY	HT. X O.D	RATE (₹)
PT-680 Centrifuge Tubes : Conical bottom, plain and borosil glass (HSN: 70179090)			
PT-680/05	3 ML	76 X 10 MM	25-00/-
PT-680/10	5 ML	100 X 13 MM	30-00/-
PT-680/15	15 ML	120 X 17 MM	40-00/-
PT-680/20	50 ML	125 X 28 MM	130-00/-
PT-682 Graduated, Conical bottom, and borosil glass (HSN: 70179090)			
PT-682/05	5 ML	100 X 13 MM	60-00/-
PT-682/10	15 ML	120 X 17 MM	75-00/-
PT-682/15	50 ML	125 X 28 MM	155-00/-
PT-685 Conical bottom with screw cap, plain, cap. 15 ml, borosil glass			62-00/-
PT-689 Conical bottom, plain, borosil glass			
PT-689/05	50 ML	30 X 110 MM	110-00/-
PT-689/10	100 ML	45 X 110 MM	300-00/-
PT-690 Round bottom, graduated, Borosil Glass (HSN: 70179090)			
PT-690/05	50ML	30 X 110 MM	140-00/-
PT-690/10	100 ML	45 X 110 MM	385-00/-



PT-800
pH-METER



PT-825
DIGITAL TDS/CONDUCTIVITY METER

PT-800 & PT-825

Applications of a **pH Meter**:

- Environmental Monitoring: Measures water quality in rivers, lakes, and oceans.
- Agriculture: Tests soil pH for optimal crop growth.
- Food and Beverage: Ensures product quality and safety.
- Pharmaceuticals: Used in drug formulation and quality control.
- Clinical Uses: Analyzes bodily fluids for medical diagnostics.
- Laboratory Research: Essential in experiments where pH affects outcomes.

PT-800 pH METER

(HSN Code: 90278090)

15950-00/-

PARAMETER	PH	MV
RANGE	0.00 to 14.00 pH	0 to 1999.9 mV
RESOLUTION	0.01pH	1 Mv
ACCURACY	±0.01 pH	± 1mV
DISPLAY	3 1/2 Digit LED	
TEMP COMPENSATION	Manual : 0 to 100 1C	
INPUT IMPEDANCE	> 10 ohms	
SLOPE CONTROL	80 to 120%	
RECORDER OUTPUT	0 to 10 mV/pH Adjustable 0 to 10 mV/100 mV Adjustable	
POWER	230 V ±10% AC, 50Hz	
DIMENSIONS	275 x175x 76 ctrn(LxBxH)	
SENSOR	Combined pH Electrode	

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-810	Spare P.H Combined Electrode 0-14 pH(HSN-90275090)	975-00/-
PT-820	Stand for electrode (HSN-90279090)	375-00/-

PT-825 DIGITAL TDS/CONDUCTIVITY METER

(HSN Code: 90278090)

15950-00/-

TECHNICAL SPECIFICATIONS

Range	COND. 200 µ/s to 1000 ms in 5 ranges. TDS - 200ppm to 1000 ppt in 5 ranges. All ranges start from zero "0"
Accuracy	±0.3% F.S. 200 Micro Mhos/cm to 200m/
Mhos/cm.	±1% FS. In last range 1000m Mhos/cm.
Resolution	Mhos : 0.1 Micro mhos/cm

MEASURING

Frequency	1000 HZ
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TEMPERATURE

Compensation	0 to 50°C
Cell Constant	0.4 to 1.5 adjustable
Function Selector	CHECIC/TDS./ COND./CELL CONST.
CAL Function	For full scale adj. (at back panel) Select at CHECK Position
Digital Display	3 ½ digit LED display
Power Supply	220V ± 10% HZ AC
Dimension	L275 x B 175 x H 75 mm
Weight	2 Kg



PT-830
DIGITAL TURBIDITY



PT-835
DIGITAL D.O METER

- Applications of a ****Turbidity Meter****:
- **Water Quality:** Assesses clarity in lakes, rivers, and reservoirs.
 - **Wastewater Treatment:** Evaluates treatment efficiency.
 - **Drinking Water:** Ensures safety by detecting impurities.
 - **Aquaculture:** Monitors water quality for fish farming.
 - **Industry:** Ensures liquid clarity in manufacturing processes.
 - **Environmental Research:** Studies sediment levels and erosion.

PT-830 & PT-835



PT-830
DIGITAL TURBIDITY

(HSN Code: 90278090) 18950-00/-

TECHNICAL SPECIFICATIONS	
Model	Digital Turbidity Meter
Display	3 1/2 Digital LED
Detector	Photocell/ Photodiode
Range	0 to 1000 NTU in 2 Ranges
Resolution	1 NTU
Accuracy	±3 % FS ±1 digit
Sample System	60 x 25 mm Clear Glass Test Tube
Light Source	LED
Power	230 ±10 %, 50Hz AC
Dimensions	280 x 175 x 110 mm
Accessories	<ul style="list-style-type: none"> • Test tubes set • Operation Manual • Dust Cover
Salient Features	<ul style="list-style-type: none"> • Display- 3 1/2 digit LED • 30 mm flat bottom test tube • Range 0-1000 NTU (in Model 33) • Range 0-200 NTU (in Model 34) • Highly Stable & Accurate

PT-835
DIGITAL D.O METER

(HSN-90278090) 19500-00/-

TECHNICAL SPECIFICATIONS	
Range	0 to 20.0 ppm
Temperature	0 to 100
Resolution	0.1 ppm
Accuracy	0.1 ppm ± 1 count
Temp. Compensation	0 °C to 50 °C manual
Compensation	±3%
D.O Sensor	amperometric gold/silver membrane type
GENERAL	
Display	3 1/2 digit LED Display
Power	230 V A.C 50 Hz
Weight	2 kg



PT-859 DIGITAL COLONY COUNTER

Colony counter is ideal for rapid, accurate counting and recording of bacterial & mould colonies in biology, zoology bacteriology, pathology laboratories of any place where colony counting is a regular routine. Colony counter grid is illuminated with fluorescent lamp for uniform cool light illumination and is provided with a magnifying glass of ease of viewing special pentype probe allows marking on petridish with an audio beep and counting simultaneously. Counting is registered on 4 digit resettable digital counter.

(HSN-9031800)

14750-00/-

Counter	4 digit (9999 counts) resettable digital counter with audio beep at every count
Probe	Auto Marker Pen probe for marking and counting simultaneously
Grid	Wolffuegel Grid glass plate
Illumination	Uniform glare free illumination by cool fluorescent tube light
Magnification	100mm diameter Magnifying Lens
Dimension	250 W x 310 D x 13 mm H
Weight	4.5 kg approx.

PT-860 PETRI PLATTER

For above (Manual)

795-00/-



**PT-859
DIGITAL COLONY COUNTER**

LABORATORY EQUIPMENT (PHARMACEUTICAL)

PT-1105

CONICAL PERCOLATER (STAINLESS STEEL) (HSN Code: 9018)

Capacity 1000 ml with lid, drain cock, stainless steel sieve on 3-legged stand, joint less.

1350-00/-

PT-1110

TINCTURE PRESS (HSN Code: 9018)

Extra heavy for making tinctures, decoction, infusions etc., capacity 1 lite, stainless steel disc with screw drive and a stainless steel inner perforated vessel.

5950-00/-

PT-1115

HAND GRINDING MILL (HSN Code: 8210)

Table fixing with hardened grinding discs, provision for course and fine grinding.

3450-00/-

PT-1125

BALL MILL MOTOR DRIVEN (HSN Code: 90181100)

Capacity 2 kg, a compact unit built on a metal platform, with geared motor which revolves a drum and contains a stainless steel vessel (capacity 2 kg) and the drum rotates on brackets. Complete with set of balls, main lead and plug. Works on 220 volts AC.

29950-00/-

PT-1130

**TABLET MAKING MACHINE
(HAND OPERATED)**

Single punch for making tablets upto 1000 mg. as per size of die and punch 6,9 and 12mm. Automatic compression and ejection device with each revolution of the wheel drive, automatic feed and removal of tablets. Built on a heavy cast body with accentric pressure system, stainless steel hopper provided and connected by a rubber tube, easy setting for thickness and hardness of tablets with nuts and locknuts and set of two spanners. Die and set of punches are of chromium steel, fitted on stand. HEAVY MODEL.

(HSN-90279020)

49950-00/-

PT-1131

**TABLET MAKING MACHINE
(ELECTRICALLY OPERATED)**

Tablet making machine (electrically operated)

(HSN-90279020)

89950-00/-

PT-1135

SPARE DIE & PUNCHES (HSN Code: 8479)

Extra die and punches of chrome steel of sizes 6,9 and 12 mm. are provided at an extra cost (any one size).

3000-00/-

PT-1140

TABLE COATING PAN (HSN Code: 902730)

12" dia., stainless steel, the machine is worked by oil immersed gear box with F.H.P. motor drive. Air blower is operated independently and air is thermostatically controlled to give temperature 30 to 100 degree C. Switches for motor, blower, heater and thermostat are fixed on a panel with neon indicators. Also mains lead with 15 Amp plug provided.

42950-00/-

PT-1145

POLISHING PAN (HSN Code: 9018)

Detachable polishing pan for use with coating pan made of mild steel provided with inner lining of superior canvas cloth. Inner dia. 12", high 8" with opening 7" dia neck.

7950-00/-

PT-1150
TABLET HARDNESS TESTER
(MONSANTO TYPE)

A fairly handy instrument for taking quick readings for the hardness of tablets. It is made of brass turned parts, heavily chrome plated, the scale is of 0 to 20 kg and the index mark and division is in 1 kg reading. Scale adjustable for zero setting as per size of the tablets.

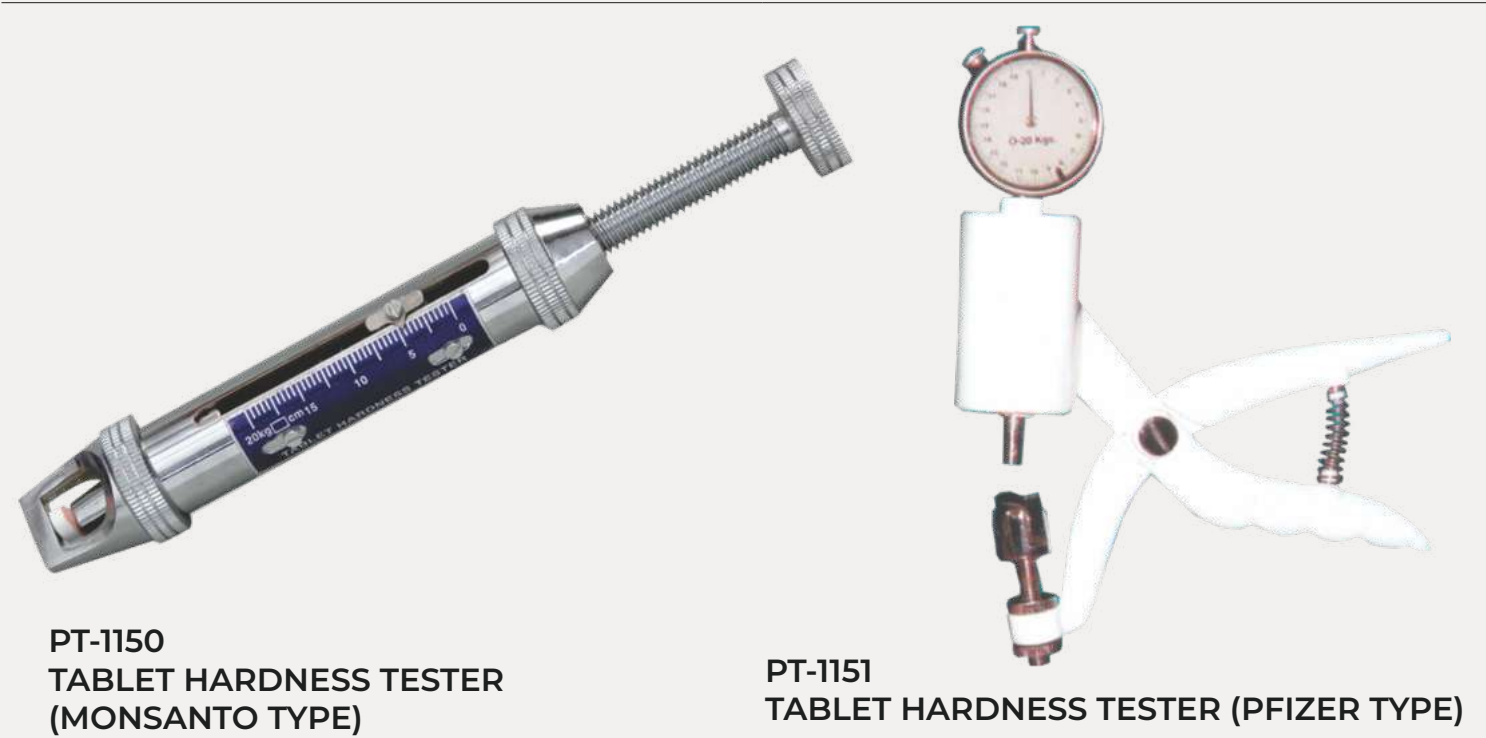
(HSN-90248099) 3950-00/-

PT-1151
TABLET HARDNESS TESTER
(PFIZER TYPE)

A handy, tough and direct dial reading type tablet hardness tester, working as pair of plairs, generates breaking force in single grip. The instrument offers accurate and reproducible results much faster than other conventional hardness testers.

(HSN-90248099) 13950-00/-

SPECIFICATIONS	
Accuracy	±0.2 kg
Least Count	0.2 kg
Safe testing force	20 kg
Maximum tablet diamter	25 mm



PT-1150
TABLET HARDNESS TESTER
(MONSANTO TYPE)

PT-1151
TABLET HARDNESS TESTER (PFIZER TYPE)



PT-1155
DISINTEGRATION APPARATUS

I.P Standard, USP and B.P Standard.
The instrument is designed for accurate estimation of disintegration time of tablets/capules. It is assembled in painted sheet metal cabinet with chemical resistant powder coating, fitted with superior quality constant speed sturdy motor. The guide discs & strokes are confirming to pharmacopoeial standards.

(HSN-84798200) 19950-00/-

SPECIFICATIONS	
Displacement	50 to 60 mm
RPM	28 to 32 RPM
Motor Single	1/8 HP
Heater Single	125 Watt

MODEL	DESCRIPTION	RATE
PT-1155 A	Disintegration test apparatus provided with double basket system: 1/6 H.P Motor and 250 Watts Heater	27950-00/-
PT-1155 F	Spare Basket with disk and glass tubes	3250-00/-
PT-1155 G	Spare Glass Tubes	90-00/-
PT-1155 H	Spare Disk	70-00/-



PT-1155
DISINTEGRATION APPARATUS



PT-1167
BULK DENSITY APPARATUS

The bulk density apparatus offers a simple and standard means of measuring the bulk density of powders, granules and similar products.

(HSN-90278090) 25950-00/-

SPECIFICATIONS

RPM Display	Manual
Motor	1/6 HP
Measuring Cylinder	50 ml
Power	AC/230 Volts/ Single Phase

PT-1167 A
BULK DENSITY APPARATUS PROVIDED WITH DIGITAL REVOLUTION COUNTER

Bulk density apparatus provided with digital resolution counter (HSN Code: 90278090) 34950-00/-



PT-1167
BULK DENSITY APPARATUS



PT-1170
DIGITAL DISSOLUTION TEST APPARATUS

(AS PER IP/BP/USP STANDARD)

The apparatus is suitable for testing of dissolution rate of tablets & capsules. It consists of main transparent acrylic tank, housing thermostatically controlled immersion heater, drain cock & transparent hemispherical unbreakable vessel. The base unit is made of chemical resistant powder coated sturdy frame, housing control panel, which includes digital rpm indicator with electronic regulator & microprocessor drive.

An electronic motor is mounted on chrome plated rod, operates paddle/basket at pre set rpm.

(HSN-8479) 42950-00/-

SPECIFICATIONS

RPM Display	3 digit LED
RPM Accuracy	±2 %
Motor	Electronic Motor
Heater	500 Watts
Temp.	37 °± 0.5°
Power	AC/230 Volts/ Single Phase



PT-1170
DIGITAL DISSOLUTION TEST APPARATUS



PT-1175
TABLET, FRIABILITY TEST APPARATUS

This apparatus is designed to determine the abrasion rate & impact hardness of tablet. One transparent acrylic drums rotated by superior quality constant speed sturdy motor, mounted in painted sheet metal cabinet with chemical resistant powder coating. 21950-00/-
(HSN Code: 90275090)

SPECIFICATIONS		
Speed	25 ±1 rpm	
Motor	1/8 HP	
Power	AC/230 Volts/50 Hz/ Single Phase	
MODEL	DESCRIPTION	RATE
PT-1175 A	Tablet friability test apparatus provided with two transparent acrylic drum.	29950-00/-
PT-1175 B	Tablet friability test apparatus provided with digital revolution counter with single drum (HSN-84798200)	31950-00/-
PT-1175 C	Tablet friability test apparatus provided with digital counter with double drum	42950-00/-

PT-1180
COLLAPSIBLE TUBE FILLING MACHINE

(HSN Code: 9018)
Stroke type, barrel and piston arrangement with stroke setting for various capacity of filling of tubes (from 5 gms to 50 gms) and a detachable nozzles provided for each separate capacity. All contact parts are of stainless steel, built on cast iron body and hand lever operated. 14950-00/-



PT-1175
TABLET, FRIABILITY TEST APPARATUS



PT-1185
TUBE CRIMPING AND SEALING MACHINE

Hand lever sliding movement with toothed jaws, spring action release of jaws and a robust construction. (HSN Code: 9018) 5500-00/-

PT-1190
AMPULE WASHING DEVICE

Jet needle type, consists of 6 stainless steel needle, jet fixed on a stainless steel pipe of 12.5 mm. dia. with side tap and serrations for fixing rubber tube with tap water. Spring loaded ampule holding arrangement for various sizes of ampules and a stainless steel bottom tray on the stand. 7500-00/-

PT-1196
AMPULE FILING AND SEALING DEVICE MOTOR OPERATED

Motor operated spring type device is provided with automatic in take and out flow of fluid and all contact parts of borosil glass, giving Ten Ampules per minute capacity of filling adjustable from 1 ml to 50 ml fitted with gas burner but without gas cylinder. (HSN-84223000) 19950-00/-

PT-1197
BOTTLE WASHING MACHINE

Bottle washing machine is made of sturdy mild steel sheet and covered with thick layer of epoxy based powder coating paint. It is having variable control upto 1500RPM. A drill chuck is fitted for the alignment. A special acrylic cover and enamel tray is provided for protection. It can wash upto 2000 ml bottle. (HSN-84223000) 14950-00/-



PT-1200 SINTERED GLASS CRUCIBLES

(HSN Code: 70179090)

Made from Borosilicate Glass, capacity 30 ml.

MODEL		RATE
PT-1200/05	G-3	95-00/-
PT-1200/10	G-4	95-00/-
PT-1200/15	G-5	95-00/-

PT-1205 ASEPTIC CABINET

Size 95 x 50 x 50 cms. M.S. structure with slopping front, acrylic front and side doors (fully visible, transparent), 3' germicidal ultra-violet tube and 2' fluorescent tube for white light, with necessary choke blast, starter and switches. Also mains lead, plug and two holes with rings and sleeves for insertion of arms are provided.

(HSN Code: 9018) 28950-00/-

PT-1210 ASEPTIC CABINET

Same As above but of smaller size with 1½' (15 watt U.V tube).

(HSN Code: 9018) 15500-00/-

PT-1225 CLARITY TEST EQUIPMENT FOR AMPULES

Milk white and black screen fitted on a base board with diffused light arrangement, overall dimensions are 24 x 12 x 18, a stainless steel upright with adjustable slide arm and clamp for holding a magnifier is provided. complete with magnifier, mains cord and plug for light.

(HSN Code: 9027) 5950-00/-

PT-1227 CAPSULE FILLINGS & SEALING MACHINE

(HSN Code: 843880)

For 100 capsules 44950-00/-

PT-1230 LEAK TEST APPARATUS

This mechanism is suitable for leakage test in medicine strips and sachet of tablets, capsules or powders.

CONSTRUCTION

The unit is made of 304 grade stainless steel sheet provided with vacuum desiccator oil free vacuum pump, vacuum gauge with stop cock and timer switch.

(HSN-90279090) 24950-00/-

PT-1235 SUPPOSITORY MOULDS

(HSN Code: 90279090)

Made from brass/gun-metal, machine made perfect shapes, smooth and polished cavities, nickel plated and various capacities with a number of moulds in each set.

MODEL	CAPACITY		RATE
PT-1235/05	1 gm (15.4 grain)	4-moulds set	995-00/-
PT-1235/10	1 gm (15.4 grain)	6-moulds set	1150-00/-
PT-1235/15	1.5 gm (15.4 grain)	4-moulds set	1150-00/-
PT-1235/20	1.5 gm (15.4 grain)	6-moulds set	1350-00/-
PT-1235/25	2 gm (15.4 grain)	4-moulds set	1150-00/-
PT-1235/30	2 gm (15.4 grain)	6-moulds set	1550-00/-

PT-1240

OINTMENT SPATULA OR DRUG SPATULA

A Made from imported stainless steel, 6" x 1" wide blade, stout, flexible and with handle. 120-00/-

PT-1250

DISPENSING BALANCE

Cap. 50 gms., with S.S. pans. 2150-00/-



PT-1230
LEAK TEST APPARATUS



**PT-1285
FLOCULATOR ALUM JAR TEST
APPRATUS**

**PT-1252, PT-1255
PT-1275 & PT-1280**

Applications of **Jar Test Apparatus:**

- Water Treatment: Determines the best coagulant dose.
- Wastewater Treatment: Evaluates contaminant removal efficiency.
- Industry**: Optimizes chemical use in process water.
- Environmental Monitoring: Tests water quality and treatment.
- Research: Develops and studies new treatment methods.

**PT-1252
DISPENSING BALANCE**

Same as PT-1250, cap. 100 gms.

2250-00/-

**PT-1255
FILTRATION APPARATUS**

Consisting of sintered funnel fitted in a filtration flask, with vacuum pump and pressure rubber tube.

21950-00/-

**PT-1275
ANTIBIOTIC ZONE READER**

Antibiotic zone reader is very sturdy model. This is a very compact and designed for measuring the diameter of finished zone in a Petri dish, for determining the strength of antibiotic materials. This antibiotic zone reader measures the diameter of the inhibited zone within range of 0 to 35mm with an accuracy of 0.2mm. The light from the inside source of the base passes up through the transparent and semitransparent of the agar then to a glass prism mounted at the magnified image of the zone of inhibitions is clearly visible on the prism.

(HSN-90314900)

24950-00/-

**PT-1280
FLOCULATOR ALUM JAR TEST APPRATUS**

Designed for floculator formation tests in water treatment plant with variable speed from 25 to 100RPM with FHP geared motor. Special Light arrangement at Bottom capacity 6 stirrer for 1 liter vessel.

(HSN-90318000)

29950-00/-

**PT-1285
FLOCULATOR ALUM JAR TEST APPRATUS**

Designed for floculator formation tests in water treatment plant with variable speed from 25 to 100RPM with FHP geared motor. Special Light arrangement at Bottom capacity 6 stirrer for 1 liter vessel with digital RPM and digital timer.

(HSN-90318000)

39950-00/-

PT-1520
CLINICAL MICROSCOPE

(HSN Code: 90118000)

MODEL	PT- 1520
Eye Pieces	H 10x and H 15x
Objectives	Achromatic 10x and 45x
Magnification	100x to 675 x
Rate	7500-00/-

PT-1550
PATHOLOGICAL/ MEDICAL MICROSCOPE

PATHOLOGICAL/MEDICAL MICROSCOPE With attachable mechanical stage for X and Y movements upto 50 and 75mm. Sub-stage condenser N.A 1.3 and iris diaphragm moveable rack and pinion motion.

(HSN-90118000)

Eye Pieces	H 5x, H10x or H 15x
Objectives	Achromatic 10x, 45x and 100x (SL) Oil immersion
Magnification	50x to 1000 x
Rate	11950-00/-

PT-1580
BINOCULAR RESEARCH MICROSCOPE

BINOCULAR RESEARCH MICROSCOPE Advanced, with attachable mechanical stage, binocular head rotatable to 360° with built in light & transformer.

(HSN-90118000)

Eye Pieces	H 5x or H 15x & H10x (W/F paired)
Objectives	Achromatic 5x, 10x, 45x and 100x (SL) Oil immersion
Magnification	50x to 1500 x
Rate	19950-00/-



PT-1800
MICROTOME ROTATORY

MICROTOME ROTARY As per Erma Japan, complete with razor etc.

(HSN-90279010)

35900-00/-

PT-1810
SENIOR ROTATORY MICROTOME

SENIOR ROTARY MICROTOME As per Spencer 820, complete with razor etc.

(HSN-90279010)

42950-00/-

MODEL	DESCRIPTION	RATE
PT-1810/05	Automatic Razor Sharpner Spencer Type	42950-00/-
PT-1810/10	Microtome knife made of carbon steel with back handle, size 120mm	2950-00/-
PT-1810/15	Microtome knife made of carbon steel with back handle, size 160 mm	3950-00/-



PT-1810
SENIOR ROTATORY MICROTOME



CLAMPS AND BOSS HEADS

(SUITABLE FOR HOLDING GLASS WARE)

CATALOGUE NO.	DESCRIPTION	RATE (₹)
PT-3300	Brass moulded with steel, rod chrome plated, to grip upto 30mm, circle and jaws lined with cork sheet. Suitable for holding burette. (HSN-90279090)	650-00/-
PT-3305	Similar to PT-3300 but made of aluminium alloy, wrinkle finish and with steel rod.	275-00/-
PT-3310	Fisher type double. For holding two burettes without obstructing the view of graduation and with secure gripping mechanism for mounting on any iron stand finished with powder coating	250-00/-
PT-3315	Fisher type single.	150-00/-
CONDENSER LAMP		
PT-3320	Brass moulded, oxidised, with steel rod chrome plated, to grip 20 to 65 mm. circles and jaws lined with cork sheet.	650-00/-
PT-3330	Cross pattern, brass chrome plated, with steel rod, cork lined and jaws to grip 20 mm. to 65 mm. circles.	650-00/-
PT-3325	Made of alluminium alloy, cork lined jaws, brass thumb screw and chrome plated rod to grip 20 mm. to 65 mm. circles.	275-00/-
PT-3335	With three prongs, brass chrome plated, arms covered with asbestos or rubber sleeving to hold upto 75 mm circles and with M.S. rod 12" x 3/8" long.	650-00/-
PT-3340	With three prongs, aluminium alloy, arms covered with asbestos or rubber sleeving to hold upto 75mm circles and with M.S rod 12" x 3/8" long.	275-00/-
JUMBO CLAMP		
PT-3350	With 3 or 4 fingers, made of brass, to hold upto 125 mm. circles, arms covered with asbestos or rubber sleeving and total length 370 mm. with 12" x 3/8" M.S. Rod.	1950-00/-
PT-3355	Same as PT-3350 Made of aluminium alloy.	750-00/-
UNIVERSAL CLAMP		
PT-3360	Made of mild steel sheet, die pressed, cork lined spring controlled jaws, 6" M.S. rod, all chrome plated or powder coated paint to hold upto 40 mm dia. circles.	140-00/-
BOSS HEADS		
PT-3400	Made of cast iron, with T-screw, finish, to hold upto 12 mm. dia. rod.	120-00/-
PT-3405	Made of aluminium alloy, with T-screw, finish, to hold upto 12 mm. dia. rod.	120-00/-
PT-3410	Made of brass, chrome plated to hold upto 12 mm. dia. rod.	350-00/-
PT-3415	BOSS HEAD LARGE SIZE HEAVY: Made of cast iron, to hold upto 25mm rod.	340-00/-
PT-3420	Made of thick mild steel strip, with T-screw, to hold upto 18 mm. dia. rod, chrome plated.	95-00/-

PT-3450 RETORT STAND

The base is made of cast iron, adjusted for standing evenly on plain surface and finished with textured siemens grey finish. The rod is made from turned steel, dull nickel plated finish, with interchangeable threading and tested for mounting perpendicular to bases.

(HSN-90279090)

MODEL	SHAPE	BASE SIZE (MM)	ROD LENGTH (MM)	ROD DIA. (MM)	RATE
PT-3450/10	Rectangular	200 x 125	600	12	650-00/-
PT-3450/15	Rectangular	225 x 150	750	12	900-00/-
PT-3450/10	Rectangular	300 x 175	900	12	1400-00/-

PT-3500 TRIPOD STANDS

TRIPOD STAND

Made of mild steel, with three legs, powder coated.

(HSN-90279090)

MODEL	SHAPE	LEG SIZE X TOP (MM)	RATE
PT-3500/10	Traingular	200 x 100	195-00/-
PT-3500/20	Traingular	200 x 120	220-00/-

PT-3525 RETORT RINGS

RETORT RINGS WITH BOSS HEAD

For use with retort stands, powder coated.

(HSN-90279090)

MODEL	DIAMETER	RATE
PT-3525/05	50 mm (2")	100-00/-
PT-3525/10	75 mm (3")	120-00/-
PT-3525/15	100 mm (4")	140-00/-
PT-3525/20	125 mm (5")	160-00/-
PT-3525/25	150 mm (6")	195-00/-



PT-3650
CRUCIBLE TONGS (HSN-90279090)

MODEL	LENGTH SIZE	MATERIAL	RATE
PT-3650/05	150 mm	Stainless Steel	125-00/-
PT-3650/10	150 mm	Mild Steel, Nickle painted	40-00/-
PT-3650/20	200 mm	Stainless Steel	165-00/-
PT-3650/25	200 mm	Mild Steel, Nickle painted	50-00/-
PT-3650/35	250 mm	Stainless Steel	195-00/-
PT-3650/40	300 mm	Stainless Steel	250-00/-
PT-3650/45	375 mm	Stainless Steel	395-00/-
PT-3650/50	450 mm	Stainless Steel (Furnace tong)	650-00/-
PT-3650/55	600 mm	Stainless Steel	1275-00/-

PT-3670
TONGS FOR HOLDING FLASK

250 mm. long, made of stainless steel, jaws lined with asbestos or cork sheet.

(HSN-90279090) 350-00/-

PT-3675
TONGS FOR HOLDING BEAKER

250 mm. long, made of stainless steel, jaws lined with asbestos or cork sheet.

(HSN-90279090) 350-00/-

PT-3680
TEST TUBE HOLDERS

Chrome Plated

(HSN-90279090) 20-00/-

PT-3685
FORCEP

Made of stainless steel 200 mm long

(HSN-90279090) 120-00/-



PT-3650
CRUCIBLE TONGS



SPATULAS (HSN-90279090)

MODEL	LENGTH SIZE	SHAPE	RATE
PT-369-Stainless steel with both ends flat. Made from 16 SWG sheet highly polished			
PT-3690/10	125 mm	Both ends flat	30-00/-
PT-3690/15	150 mm	Both ends flat	40-00/-
PT-3690/20	200 mm	Both ends flat	50-00/-
PT-3690/25	250 mm	Both ends flat	90-00/-
PT-3690/30	300 mm	Both ends flat	110-00/-
PT-3700- Stainless steel with one end spoon. Made from 16 SWG sheet highly polished			
PT-3700/10	125 mm	One end spoon	30-00/-
PT-3700/15	150 mm	One end spoon	40-00/-
PT-3700/20	200 mm	One end spoon	50-00/-
PT-3700/25	250 mm	One end spoon	90-00/-
PT-3700/30	300 mm	One end spoon	110-00/-
PT-3710 Stainless steel with wire form			
PT-3710/05	150 mm	Wire form with flat ends	40-00/-
PT-3710/10	200 mm	Wire form with flat ends	50-00/-

PT-3785
CONE AND SOCKET CLIP

PT-3785-Clip to Hold Cone & Socket: Made of nylon

PT-3785/05	For B-19 Joint	45-00/-
PT-3785/10	For B-24 Joint	60-00/-
PT-3785/15	For B-29 Joint	70-00/-



PT-3800 BALL JOINT CLIPS

CLIP FOR SPHERICAL BALL JOINTS CHROME PLATED
(HSN-73269099)

PT-3800/05	Quickfit No.	S-13	140-00/-
PT-3800/10	Quickfit No.	S-19	150-00/-
PT-3800/15	Quickfit No.	S-29	175-00/-
PT-3800/20	Quickfit No.	S-35	250-00/-

PT-3850 CORK BORERS

Made from thick metal pipe, with strong handle, packed in card board box. Set of 6 borers.
(HSN-90279090) 950-00/-

TEST TUBE STAND

MODEL	HOLE DIAMETER (MM)	NO. OF HOLES	RATE
Made of thick aluminium sheet with three tiers, anodised. (HSN-76069190)			
PT-3880/05	12	12	225-00/-
PT-3880/10	12	24	250-00/-
PT-3880/15	12	36	290-00/-
PT-3880/20	18	12	250-00/-
PT-3880/25	18	24	290-00/-
PT-3880/30	18	36	400-00/-
PT-3880/35	25	12	260-00/-
PT-3880/40	25	24	400-00/-
PT-3880/45	25	36	525-00/-
PT-3890	Aluminium 6" x 6" (HSN-73269099)		550-00/-
TEST TUBE STAND STAINLESS STEEL 304 GRADE (HSN-73269099)			
PT-3895/05	15	12	325-00/-
PT-3895/10	15	24	425-00/-
PT-3895/15	18	12	375-00/-
PT-3895/20	18	24	475-00/-

LABORATORY BURNERS

All standard size laboratory burners are fitted with 75 mm. dia. heavy cast iron base. Surface is finished with black, red or grey finish.

GAS JET-Turned from hard brass rod with bore adjusted for pressure of any type of gas used.

NOZZLE-The gas inlet is made tapered for easy slipping on to 8 mm. rubber tubing connections. The burners are suitable for use with petrol gas, kerosene gas and coal gas LPG (Mention gas to be used).
(HSN-84198990)

MODEL	DESCRIPTION	RATE
STANDARD BUNSEN BURNER		
PT-3950	Giving narrow, pointed, long flame, mounted on a heavy base is a brass pipe height 150 mm. and tube dia. 12 mm.	275-00/-
PT-3955	Similar to PT-3950 but with leak proof stopcock.	425-00/-
MECKER BURNER		
PT-3970	For short but wide flame and high temperature, height 160 mm. and top 25 mm. dia.	1100-00/-
PT-3975	With gas control valve	1250-00/-

PT-4050 WATER TAP SWAN NECK

All brass, chrome plated. Leak Proof

(HSN-84818020)

MODEL	DESCRIPTION	RATE
PT-4050/05	One way	2150-00/-
PT-4050/10	Two way	3150-00/-
PT-4050/15	Three way	3750-00/-



**PT-4050
WATER TAP SWAN NECK**





**PT-4120
INFRARED MOISTURE BALANCE**

PT-4115, PT-4120

Applications of **Infrared Moisture Balance:**

- Food: Checks moisture in ingredients and products.
- Pharmaceuticals: Ensures drug stability by measuring moisture.
- Chemicals: Monitors moisture in raw materials and products.
- Agriculture: Assesses moisture in grains, seeds, and soil.
- Textiles: Controls moisture in fabrics and fibers.
- Environmental: Measures soil moisture for studies.

PT-4115 DIGITAL TOP PAN BALANCE

MODEL	CAPACITY/gms	SENSITIVITY MILIGRAM	SENSITIVITY/ gms	RATE
PT-4115/05	1200	100	0.1	15000-00/-
PT-4115/10	600	10	0.01	17500-00/-
PT-4115/15	220	1	0.001	59950-00/-
PT-4115/20	220	0.1	0.0001	120000-00/-

PT-4120 INFRARED MOISTURE BALANCE

The Infrared Moisture Balance is an instrument for measuring the moisture content of materials that do not change their chemical structure while losing water under exposure to Infrared radiation. This instrument is widely used for testing soils used in construction, agriculture soils, chemicals, raw materials, foods, pharmaceuticals, plastics and similar materials.

Since drying and weighing are simultaneous the Infrared Moisture Balance is especially useful for determining the moisture percentage in substances that quickly reabsorb moisture after drying. The input power to the Infrared lamp can be continuously varied from 0 to 250 watts. As a result greater penetration of heat is possible than in conventional methods. The balance scale is divided directly in moisture percentages from 0 to 100% in 0.2% division. A thermometer is provided for estimating the temperature of the drying chamber.

(HSN-9031800)

MODEL	DESCRIPTION	RATE
PT-4120/05	5 gms	19950-00/-
PT-4120/10	10 gms	21950-00/-
PT-4120/15	25 gms	23950-00/-

PT-4122 WEIGHT BOXES

ANALYTICAL WEIGHT BOX WITH CALIBRATION CERTIFICATE BY (N.A.B.L. AUTHORIZED LABORATORY) reading of every Individual weight 1m. gm to 200 gm. (Accepted by ISO 9000 Certification agencies)

(HSN-84198990)

11950-00/-

PT-4125 ANALYTICAL WEIGHT BOX

ANALYTICAL WEIGHT BOX Made of stainless steel packed in polished wooden box with fractional weights and forcep. Class 'A', with works certificate having value of each weight. (HSN-84239010)

MODEL	DESCRIPTION	RATE
PT-4125/05	Cap. 1 mgm to 20 gms	2100-00/-
PT-4125/10	Cap. 1 mgm to 50 gms	2300-00/-
PT-4125/15	Cap. 1 mgm to 100 gms	2500-00/-
PT-4125/20	Cap. 1 mgm to 200 gms	3975-00/-



PT-4125
ANALYTICAL WEIGHT BOX



PT-4130 ANALYTICAL WEIGHT BOX

Made of brass, chrome plated packed in polished wooden box with fractional weights and forcep. Class 'A' as per I.S. specifications, with works certificate having value of each weight. (HSN-84239010)

MODEL	DESCRIPTION	RATE
PT-4130/10	Cap. 1 mgm to 50 gms	2300-00/-
PT-4130/15	Cap. 1 mgm to 100 gms	2500-00/-
PT-4130/20	Cap. 1 mgm to 200 gms	3750-00/-

PT-4140 PHYSICAL WEIGHT BOX

Made of brass, nickel plated with forceps and polished wooden case. (HSN-84239010)

MODEL	DESCRIPTION	RATE
PT-4140/05	Cap. 1 mgm to 100 gms	1500-00/-
PT-4140/10	Cap. 1 mgm to 200 gms	2100-00/-
PT-4140/15	Cap. 1 mgm to 500 gms	4450-00/-
PT-4140/20	Cap. 1 mgm to 1000 gms	7500-00/-
PT-4140/25	Cap. 1 mgm to 2000 gms	13950-00/-

PT-4150

ANALYTICAL FRACTIONAL WEIGHTS

Class 'A' in a round plastic box without forcep.

(HSN-84239010)

1300-00/-

PT-4155

ANALYTICAL FRACTIONAL WEIGHTS

Class 'B' in a round plastic case.

(HSN-84239010)

400-00/-



PT-5500
DIGITAL VARIABLE VOLUME MICRO PIPETTES

This pipette has a stream lined tip ejector an adiustment of volume by turning the plunger with two step operation.
(HSN-90318000)

MODEL	CAPACITY	STEPS/ μ l	RATE
PT-5500/05	0.5-10 μ l	0.1	4595-00/-
PT-5500/10	5-50 μ l	1.0	4595-00/-
PT-5500/15	20-200 μ l	1.0	4595-00/-
PT-5500/20	200-1000 μ l	10.0	4595-00/-



PT-5500
DIGITAL VARIABLE VOLUME MICRO PIPETTES



PT-5510
DIGITAL FIXED VOLUME MICRO PIPETTES

(STREAM LINED) (HSN-90318000)

MODEL	CAPACITY/ μ l	RATE
PT-5510/05	5	2475-00/-
PT-5510/10	10	2475-00/-
PT-5510/15	20	2475-00/-
PT-5510/20	25	2475-00/-
PT-5510/25	50	2475-00/-
PT-5510/30	100	2475-00/-
PT-5510/35	200	2475-00/-
PT-5510/40	500	2475-00/-
PT-5510/45	1000	2475-00/-

PT-5525
DIGITAL MULTI CHANNEL (EIGHT) MICRO PIPETTES

This pipette has stream lined tip ejector and adiustment of volume by turning the plunger with two step operation.

(HSN-90319000)

MODEL	CAPACITY	RATE
PT-5525/05	5-40 μ L	15950-00/-
PT-5525/10	40-200 μ L	15950-00/-

PT-5530
TIPS FOR MICRO PIPETTES

(PACK OF 1000)

MODEL	CAPACITY	RATE
PT-5530/05	Yellow tip (0-200) μ L	950-00/-
PT-5530/10	Blue tip (200-1000) μ L	1250-00/-
PT-5530/15	Stand for micro pipette	950-00/-





**PT-6500
LABORATORY RUBBER TUBING**

PT-6500 & PT-6510

Rubber tubes have various applications, including:

- **Laboratory Use:** Transporting liquids or gases between apparatus in scientific experiments.
- **Medical Devices:** Connecting various medical instruments and equipment in healthcare settings.
- **Automotive Industry:** Used in engines and fuel systems for fluid transfer.
- **Industrial Machinery:** Transferring fluids, chemicals, and gases in manufacturing processes.
- **Household Applications:** Used in plumbing and irrigation systems for water and fluid transport.
- **Construction:** Employed in construction projects for pneumatic systems and water transport.

PT-6500 LABORATORY RUBBER TUBING

It is extremely soft and conforms to the Govt. specifications. In addition to softness it is resistant to dilute Acid, Alkalies, Ammonia etc.

(HSN-40091100)

MODEL	APPROX. BORE (MM)	WALL THICKNESS (MM)	PRICE/10 METER
PT-6500/05	5	1.5	350-00/-
PT-6500/10	6	1.5	450-00/-
PT-6500/15	7	1.5	500-00/-
PT-6500/20	8	1.5	595-00/-
PT-6500/25	9	2	695-00/-
PT-6500/30	10	2	850-00/-
PT-6500/35	12	2.5	975-00/-

PT-6510 PRESSURE RUBBER TUBING

Superior quality (minimum packing 10 meter)

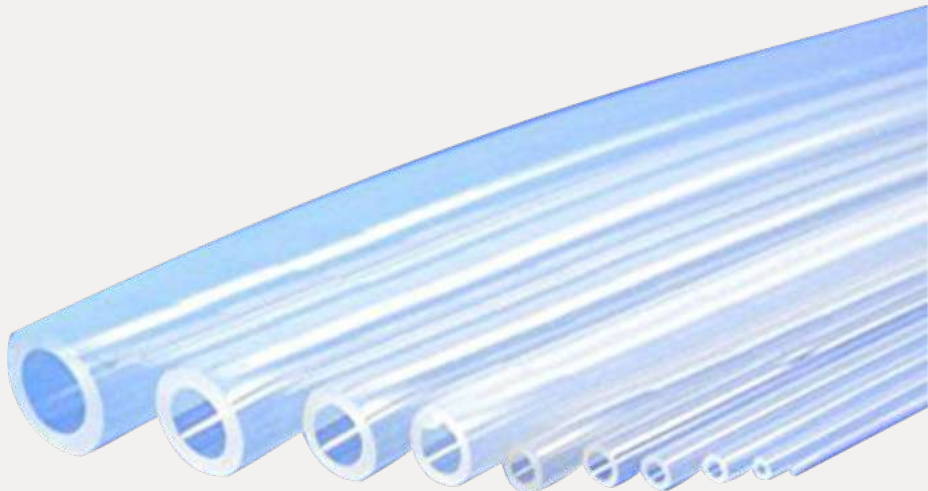
(HSN-40091100)

MODEL	APPROX. BORE (MM)	WALL THICKNESS (MM)	PRICE/10 METER
PT-6510/05	6	3	750-00/-
PT-6510/10	6	5	975-00/-
PT-6510/15	8	3	795-00/-
PT-6510/20	8	5	1100-00/-
PT-6510/25	9	5	1250-00/-
PT-6510/30	9	3	900-00/-
PT-6510/35	10	6	1995-00/-
PT-6510/40	12	6	2150-00/-

PT-6520
SILICONE TUBING
(MINIMUM PACKING 5 METER)

Silicone tubing is suitable upto -50°C to 250°C this is autoclavable and odourless. So it is suitable for transfer of pharmaceutical liquids beverages and other food preparations. It is not irritant to skin. Due to highly elasticity it is also useful with penestatic pumps.
(HSN-40091100)

MODEL	INNER DIA. (MM)	OUTER DIA. (MM)	WALL THICKNESS (MM)	PRICE/METER
PT-6520/05	2	4	1.0	65-00/-
PT-6520/10	3	5	1.0	95-00/-
PT-6520/15	4	6	1.0	120-00/-
PT-6520/20	5	7	1.0	150-00/-
PT-6520/25	4	7	1.5	150-00/-
PT-6520/30	6	8	1.0	195-00/-
PT-6520/35	6	9	1.5	220-00/-
PT-6520/40	7	10	1.5	275-00/-
PT-6520/45	6	10	2.0	275-00/-
PT-6520/50	8	11	1.5	295-00/-
PT-6520/55	7	11	2.0	295-00/-
PT-6520/60	8	12	2.0	335-00/-
PT-6520/65	10	14	2.0	500-00/-
PT-6520/70	12	16	2.0	550-00/-
PT-6520/75	14	20	3	750-00/-
PT-6520/80	16	22	3	995-00/-



PT-6520
SILICONE TUBING



PT-6530
RUBBER CORKS
(MINIMUM 100 PIECES)
(HSN-40169990)

MODEL	TOTAL DIA. (MM) ±0.2	BOTTOM DIA. (MM) ±0.2	HEIGHT (MM) ±0.2	NO.	RATE PER 100 NOS.
PT-6530/05	9	6	16	000	250-00/-
PT-6530/10	13.0	9.0	15.5	0	295-00/-
PT-6530/15	14.0	11.0	18.5	1	350-00/-
PT-6530/20	16.5	13.0	20.0	2	395-00/-
PT-6530/25	19.0	14.0	21.0	3	495-00/-
PT-6530/30	21.0	15.0	22.0	4	550-00/-
PT-6530/35	22.5	17.5	23.0	5	600-00/-
PT-6530/40	24.5	20.0	24.0	6	795-00/-
PT-6530/45	26.0	20.0	27.5	7	890-00/-
PT-6530/50	26.5	21.0	27.5	8	995-00/-
PT-6530/55	28.0	21.5	31.0	9	1275-00/-
PT-6530/60	30.0	26.0	33.0	10	1595-00/-
PT-6530/65	33.5	30.0	33.5	11	1795-00/-
PT-6530/70	34.5	30.0	34.5	12	1995-00/-
PT-6530/75	38.5	31.0	37.0	13	2800-00/-
PT-6530/80	41.5	32.0	42.5	14	3150-00/-
PT-6530/85	43.5	34.0	40.5	15	3995-00/-
PT-6530/90	45.0	35.0	36.5	16	4250-00/-
PT-6530/95	49.5	40.0	40.5	17	4950-00/-
PT-6530/100	53.5	48.0	33.5	18	5750-00/-
PT-6530/105	58.0	44.0	45.0	19	6950-00/-
PT-6530/110	60.0	51.0	56.5	20	9500-00/-



PT-6540
SILICONE RUBBER CORKS (TRANSLUCENT)
(HSN-40169980)

MODEL	NO.	BOTTOM DIA. (MM) ±0.2	TOP DIA. (MM) ±0.2	HEIGHT (MM) ±0.2	RATE PER PIECE
PT-6540/05	9	9	11.5	20	19-00/-
PT-6540/10	11	11	14	24	25-00/-
PT-6540/15	13	14	16	24	30-00/-
PT-6540/20	15	15	18	24	40-00/-
PT-6540/25	17	17	20	26	50-00/-
PT-6540/30	18	18	21	26	58-00/-
PT-6540/35	19	19	22.5	28	65-00/-
PT-6540/40	23	23	25.5	28	85-00/-
PT-6540/45	25	25	28.5	28	100-00/-
PT-6540/50	27	27	31	32	125-00/-
PT-6540/55	29	29	33	32	160-00/-
PT-6540/60	31	31	36	35	210-00/-
PT-6540/65	33	33	38.5	38.5	295-00/-

PT-6550
RUBBER CONES FOR BUCHNER FUNNEL
(HSN-40169990)

MODEL	SIZE SUITABLE FOR	RATE
PT-6550/05	250 ml flask	85-00/-
PT-6550/10	500 ml flask	85-00/-
PT-6550/15	1000 ml flask	165-00/-
PT-6550/20	2000 ml flask	165-00/-
PT-6550/25	5000 ml flask	230-00/-
PT-6550/30	10,000 ml flask	425-00/-



PT-6560
SUB SEAL STOPPERS

Rubber autoclaveble with town over flange and serrations for test tube.
(HSN-40169990)

MODEL	TEST TUBE O.D mm	RATE
PT-6560/05	12	26-00/-
PT-6560/10	15	29-00/-
PT-6560/15	18	45-00/-
PT-6560/20	25	55-00/-

PT-6570
PIPETTE BULB (BEST QUALITY RUBBER)
(HSN-40169980)

MODEL	DESCRIPTION	RATE
PT-6570/05	Pipette Bulb Small	50-00/-
PT-6570/10	Pipette Bulb Large	60-00/-
PT-6570/15	Pipette Filler	175-00/-

PT-6580
CHLOROFORM BELLOW WITH COTTON NET
Rs. 350-00/-

PT-6590
AUTOMIZER BULB (WITH LONG TUBE)
(HSN-40169980) Rs. 175-00/-



PT-6700

LAMINAR AIR FLOW (HORIZONTAL)

(HSN-84213920)

Made of thick ply board covered with white sunmica and epoxy painted inside. Workbench covered with 304 grade S.S. Sheet Switches for blower, fluorescent light and U.V. Light.

MODEL	DESCRIPTION	SIZE	RATE
PT-6700/05	Laminar Air Flow (Horizontal) with S.S workbench	60 x 60 x 60 cm	59000-00/-
PT-6700/10	Laminar Air Flow (Horizontal) with S.S workbench	90 x 60x 60cm	73000-00/-
PT-6700/15	Laminar Air Flow (Horizontal) with S.S workbench	120 x 60x 60 cm	84000-00/-
PT-6700/20	Laminar Air Flow (Horizontal) with S.S workbench	180 x 60 x 60 cm	112000-00/-

PT-6700 A

LAMINAR AIR FLOW (HORIZONTAL)

(HSN-84213920)

Made of 304 grade S.S. Workbench covered with 304 grade S.S. Sheet. Microprocessor control Digital Display for Blower, U.V. Light and LED Light. Digital Manometer with filter failure alarm.

MODEL	DESCRIPTION	SIZE	RATE
PT-6700 A /05	Laminar Air Flow (Horizontal) Complete S.S	60 x 60 x 60 cm	165000-00/-
PT-6700 A /10	Laminar Air Flow (Horizontal) Complete S.S	90 x 60x 60cm	195000-00/-
PT-6700 A /15	Laminar Air Flow (Horizontal) Complete S.S	120 x 60x 60 cm	215000-00/-
PT-6700 A /20	Laminar Air Flow (Horizontal) Complete S.S	180 x 60 x 60 cm	295000-00/-

PT-6700 B

LAMINAR AIR FLOW (HORIZONTAL)

(HSN-84213920)

Made of Mild Steel duly epox powder coated and Workbench covered with 304 grade S.S. Sheet. Microprocessor control digital display for Blower, U.V. Light (with timer) and LED Light. Digital Manometer with filter failure alarm.

MODEL	DESCRIPTION	SIZE	RATE
PT-6700 B /05	Laminar Air Flow (Horizontal) Mild Steel	60 x 60 x 60 cm	88000-00/-
PT-6700 B /10	Laminar Air Flow (Horizontal) Mild Steel	90 x 60x 60cm	105000-00/-
PT-6700 B /15	Laminar Air Flow (Horizontal) Mild Steel	120 x 60x 60 cm	130000-00/-
PT-6700 B /20	Laminar Air Flow (Horizontal) Mild Steel	180 x 60 x 60 cm	175000-00/-



PT-6710

LAMINAR AIR FLOW (VERTICAL)

(HSN-84213920)

Made of thick ply board covered with White sunmica and epoxy painted inside. Workbench covered with 304 grade S.S. Perforated sheet. Switches for Blower, U.V. Light & LED light.

MODEL	DESCRIPTION	SIZE	RATE
PT-6710/05	Laminar Air Flow (Vertical) with S.S workbench	60 x 60 x 60 cm	73000-00/-
PT-6710/10	Laminar Air Flow (Vertical) with S.S workbench	90 x 60x 60cm	84000-00/-
PT-6710/15	Laminar Air Flow (Vertical) with S.S workbench	120 x 60x 60 cm	105000-00/-
PT-6710/20	Laminar Air Flow (Vertical) with S.S workbench	180 x 60 x 60 cm	150000-00/-
PT-6710/25	Laminar Air Flow (Vertical) with S.S workbench		

PT-6710 A

LAMINAR AIR FLOW (VERTICAL)

(HSN-84213920)

Made of 304 grade S.S. Workbench covered with 304 grade S.S. Perforated Sheet Microprocessor control digital display for Blower, UV Light & LED light. Digital Manometer with filter failure alarm

MODEL	DESCRIPTION	SIZE	RATE
PT-6710 A /05	Laminar Air Flow (Vertical) Complete S.S	60 x 60 x 60 cm	180000-00/-
PT-6710 A /10	Laminar Air Flow (Vertical) Complete S.S	90 x 60x 60cm	212000-00/-
PT-6710 A /15	Laminar Air Flow (Vertical) Complete S.S	120 x 60x 60 cm	228000-00/-
PT-6710 A /20	Laminar Air Flow (Vertical) Complete S.S	180 x 60 x 60 cm	350000-00/-

PT-6710 B

LAMINAR AIR FLOW (VERTICAL)

(HSN-84213920)

Made of Mild Steel duly epoxy powder coated and Workbench covered with 304 grade SS. Perforated Sheet. Microprocessor control digital display for Blower, UV Light & LED light. Digital Manometer with filter failure alarm

MODEL	DESCRIPTION	SIZE	RATE
PT-6710 B /05	Laminar Air Flow (Vertical) Mild Steel	60 x 60 x 60 cm	112000-00/-
PT-6710 B /10	Laminar Air Flow (Vertical) Mild Steel	90 x 60x 60cm	138000-00/-
PT-6710 B /15	Laminar Air Flow (Vertical) Mild Steel	120 x 60x 60 cm	175000-00/-
PT-6710 B /20	Laminar Air Flow (Vertical) Mild Steel	180 x 60 x 60 cm	230000-00/-





**PT-6800
BIOSAFE CABINET**

PT-6800

Biosafety cabinets are used for:

- Microbiological Research: Handling and manipulating microorganisms under sterile conditions to prevent contamination.
- Laboratory Safety: Protecting personnel and the environment from exposure to hazardous biological agents.
- Cell Culture Work: Providing a sterile environment for cultivating and maintaining cell lines.
- Biomedical Testing: Handling samples and materials safely in diagnostic and research laboratories.
- Pharmaceutical Production: Ensuring sterility when working with sensitive pharmaceutical products.
- Biocontainment: Preventing the escape of infectious agents or allergens during handling and processing.

PT-6800 BIOSAFE CABINET

(HSN-90189099)

Made of thick ply board covered with sunmica and epoxy painted inside. Fitted with HEPA Filter, UV light and Fluorescent light. 70% Air recirculate & 30% Air Exhaust. Fitted with Virus Burnout unit. Switches for Blower, UV & LED Light.

MODEL	DESCRIPTION	SIZE	RATE
PT-6800 /05	Biosafe Cabinet (Wooden), Class II, A-2	60 x 60 x 60 cm	85000-00/-
PT-6800 /10	Biosafe Cabinet (Wooden), Class II, A-2	90 x 60x 60cm	115000-00/-
PT-6800 /15	Biosafe Cabinet (Wooden), Class II, A-2	120 x 60x 60 cm	132000-00/-
Steriflow Portable Laminar Air Flow for Field use			

PT-6800 A BIOSAFE CABINET (A-2)

(HSN-90189099)

Made of 304 grade Stainless Steel. Fitted with HEPA Filter UV light and LED light. 70% Air recirculate& 30% Air Exhaust. Fitted with Virus Burnout unit. Microprocessor Control Digital Display for Blower, U.V. Light & LED light. Digital Manometer with Filter Failure Alarm.

MODEL	DESCRIPTION	SIZE	RATE
PT-6800 A /05	Biosafe Cabinet (Stainless Steel), Class II, A-2	60 x 60 x 60 cm	215000-00/-
PT-6800 A /10	Biosafe Cabinet (Stainless Steel), Class II, A-2	90 x 60x 60cm	230000-00/-
PT-6800 A /15	Biosafe Cabinet (Stainless Steel), Class II, A-2	120 x 60x 60 cm	270000-00/-

PT-6800 B BIOSAFE CABINET (A-2)

(HSN-90189099)

Made of Mild Steel duly epoxy powder coated. Fitted with HEPA Filter, UV light and LED light. 70% Air recirculate & 30% Air Exhaust. Fitted with Virus Burnout unit. Microprocessor Control Digital Display for Blower, U.V. Light & LED light. Digital Manometer with Filter Failure Alarm.

MODEL	DESCRIPTION	SIZE	RATE
PT-6800 B /05	Biosafe Cabinet (Mild Steel), Class II, A-2	60 x 60 x 60 cm	150000-00/-
PT-6800 B /10	Biosafe Cabinet (Mild Steel), Class II, A-2	90 x 60x 60cm	173000-00/-
PT-6800 B /15	Biosafe Cabinet (Mild Steel), Class II, A-2	120 x 60x 60 cm	225000-00/-

PT-6900
FUME HOOD

(HSN-84198990)
Fume Hood made of S.S 304 Grade with Granite Working Platform, Polypropylene Sink, Water tap & Exhaust System.

MODEL	DESCRIPTION	SIZE	RATE
PT-6900/05	Fume Hood (Stainless Steel)	90 x 60 x 60 cm	275000-00/-
PT-6900/10	Fume Hood (Stainless Steel)	120 x 60x 60cm	300000-00/-
PT-6900/15	Fume Hood (Stainless Steel)	120 x 75x 75 cm	375000-00/-
PT-6900/20	Fume Hood (Stainless Steel)	150 x 75 x 75 cm	530000-00/-

PT-6900 A
FUME HOOD

(HSN-84198990)
Made of mild steel duly epoxy powder coated with Granite Working Platform, Polypropylene Sink, Water tap & Exhaust System.

MODEL	DESCRIPTION	SIZE	RATE
PT-6900 A /05	Fume Hood (Mild Steel)	90 x 60 x 60 cm	165000-00/-
PT-6900 A /10	Fume Hood (Mild Steel)	120 x 60x 60cm	200000-00/-
PT-6900 A /15	Fume Hood (Mild Steel)	120 x 75x 75 cm	238000-00/-
PT-6900 A /20	Fume Hood (Mild Steel)	150 x 75 x 75 cm	280000-00/-

PT-6900 B
FUME HOOD

(HSN-84198990)
Made of 19mm thick Plyboard covered with sunmica & Epoxy painted from inside. Granite Working Platform, Polypropylene Sink, Water tap & Exhaust System.

MODEL	DESCRIPTION	SIZE	RATE
PT-6900 B /05	Fume Hood (Wooden with Granite Working Platform)	90 x 60 x 60 cm	90000-00/-
PT-6900 B /10	Fume Hood ((Wooden with Granite Working Platform)	120 x 60x 60cm	120000-00/-
PT-6900 B /15	Fume Hood ((Wooden with Granite Working Platform)	120 x 75x 75 cm	145000-00/-



THERMOMETERS
PT-7000

CHEMICAL THERMOMETERS MERCURY FILLED PACKED IN CASE
(HSN-90251190)

MODEL	RANGE	DIVISION	RATE/PIECE
PT-7000/05	0-50 °C	1/1	250-00/-
PT-7000/10	0-50 °C	1/2	250-00/-
PT-7000/15	-10-110 °C	1/1	225-00/-
PT-7000/20	-10-110 °C	1/2	225-00/-
PT-7000/25	0-150 °C	1/1	225-00/-
PT-7000/30	0-200 °C	1/1	225-00/-
PT-7000/35	0-250 °C	1/1	225-00/-
PT-7000/40	0-300 °C	1/1	225-00/-
PT-7000/45	0-360 °C	1/1	225-00/-
PT-7000/50	0-220 °C	1/1	225-00/-

PT-7010

PRECISION THERMOMETERS MERCURY FILLED PACKED IN CASE.
(HSN-90251190)

MODEL	RANGE	DIVISION	RATE/PIECE
PT-7010/05	0-50 °C	1/5	375-00/-
PT-7010/10	0-50 °C	1/10	425-00/-
PT-7010/15	0-110 °C	1/5	475-00/-
PT-7010/20	0-110 °C	1/10	525-00/-

PT-7020

THERMOMETER WITH CONE ENCLOSED TYPE
(HSN-90251190)

MODEL	RANGE	CONE SIZE	RATE/PIECE
PT-7020/05	0-50 °C	B 10	525-00/-
PT-7020/10	-10-110 °C	B 10	575-00/-
PT-7020/15	0-250 °C	B 10	575-00/-
PT-7020/20	0-360 °C	B 10	595-00/-
PT-7020/25	-10-110 °C	B 14	625-00/-
PT-7020/30	0-250 °C	B 14	650-00/-
PT-7020/35	0-360 °C	B 14	650-00/-
PT-7020/40	-10-110 °C	B 19	725-00/-
PT-7020/45	0-250 °C	B 19	750-00/-
PT-7020/50	0-360 °C	B 19	750-00/-



THERMOMETERS

PT-7030

LONG IMMERSION THERMOMETERS MERCURY FILLED PACKED IN CASE (HSN-90251190)

MODEL	RANGE	IMMERSION LENGTH IN CM	TOTAL LENGTH CM	RATE/PIECE
PT-7030/05	0-110 °C	15	45	425-00/-
PT-7030/10	0-250 °C	15	45	425-00/-
PT-7030/15	0-360 °C	15	45	425-00/-
PT-7030/20	0-110 °C	30	60	525-00/-
PT-7030/25	0-250 °C	30	60	525-00/-
PT-7030/30	0-360 °C	30	60	525-00/-
PT-7030/35	0-110 °C	45	75	725-00/-
PT-7030/40	0-250 °C	45	75	725-00/-
PT-7030/45	0-360 °C	45	75	725-00/-
PT-7030/50	0-110 °C	60	90	850-00/-
PT-7030/55	0-250 °C	60	90	850-00/-
PT-7030/60	0-360 °C	60	90	850-00/-

PT-7040

STRAIGHT INDUSTRIAL THERMOMETERS ENCLOSED TYPE (HSN-90251190)

PT-7050

OVEN/INCUBATOR THERMOMETERS L shaped size 200 mm. x 200 mm. mercury in glass (HSN-90251190)

MODEL	RANGE	DIVISION	RATE/PIECE
PT-7050/05	0-110 °C	1 °C	450-00/-
PT-7050/10	0-250 °C	2 °C	450-00/-
PT-7050/15	0-360 °C	2 °C	450-00/-



THERMOMETERS

PT-7060

MAXIMUM AND MINIMUM THERMOMETER 1200-00/-

PT-7070

WET AND DRY THERMOMETER (HSN-90251190) 1200-00/-

PT-7080

WALL THERMOMETER to show room temperature with scale in °C and °F on wooden board. (HSN-90251190) 750-00/-

PT-7090

WALL THERMOMETER Half meter long. 1475-00/-

PT-7110

SOIL THERMOMETER Scale 0-60° C fitted on wooden body with metal cone at bottom. (HSN-90251190)

MODEL	LENGTH OF CONE	RATE/PIECE
PT-7110/10	7.5	1200-00/-
PT-7110/15	15	1400-00/-
PT-7110/12	30	1850-00/-



SILICA WARE

PT-7300

SILICA CRUCIBLE to stand temperature upto 800°C without lid.
(HSN-70171000)

MODEL	CAPCACITY IN ML	RATE/PIECE
PT-7030/05	15	425-00/-
PT-7030/10	25	475-00/-
PT-7030/15	50	850-00/-
PT-7030/20	80	1575-00/-
PT-7030/25	100	1875-00/-
PT-7030/30	150	2450-00/-

PT-7400

SILICA CRUCIBLE to stand temperature upto 800°C with lid.
(HSN-70171000)

MODEL	CAPCACITY IN ML	RATE/PIECE
PT-7040/05	15	825-00/-
PT-7040/10	25	950-00/-
PT-7040/15	50	1650-00/-
PT-7040/20	80	3100-00/-
PT-7040/25	100	3700-00/-
PT-7040/30	150	4850-00/-

PT-7500

SILICA BASIN (Dish) with spout to with stand temperature upto 800°C.
(HSN-70171000)

MODEL	CAPCACITY IN ML	DIAMETER IN MM	RATE/PIECE
PT-7050/05	35	50-55	1075-00/-
PT-7050/10	70	70-75	1425-00/-
PT-7050/15	100	80-85	2750-00/-
PT-7050/20	150	90-95	3250-00/-
PT-7050/25	200	98-103	4250-00/-
PT-7050/30	250	107-110	4750-00/-



DESSICATORS

PT-8000

DESSICATOR with cover with suitable porcelain plate (Borosilicate Glass).
(HSN-70179090)

MODEL	SIZE IN MM	RATE/PIECE
PT-8000/05	100	975-00/-
PT-8000/10	160	1325-00/-
PT-8000/15	210	2350-00/-
PT-8000/20	240	3625-00/-
PT-8000/25	300	6950-00/-

PT-8010

DESSICATOR VACUUM with suitable porcelain plate (Borosilicate Glass).
(HSN-70179090)

MODEL	SIZE IN MM	RATE/PIECE
PT-8010/05	160	1995-00/-
PT-8010/10	210	3495-00/-
PT-8010/15	240	4995-00/-
PT-8010/20	300	9995-00/-

MUSEUM JARS

PT-8200

RECTANGULAR MUSEUM JAR with cover (Borosilicate Glass).
(HSN-70179090)

MODEL	SIZE IN MM	RATE/PIECE
PT-8200/05	250 X 250 X150	5500-00/-
PT-8200/10	225 x 225 x 125	3900-00/-
PT-8200/15	210 x 170 x 130	2975-00/-
PT-8200/20	220 x 140 x 140	3200-00/-
PT-8200/25	215 x 100 x 140	2750-00/-



PT-8300

BEAKERS Low Form Graduated Accuracy of graduation +5%
(HSN-70179090)

MODEL	CAPCACITY IN ML	GRADUATION INTERVAL ML.	RATE/PIECE
PT-8300/01	50	10	70-00/-
PT-8300/02	100	25	70-00/-
PT-8300/03	150	50	75-00/-
PT-8300/04	250	50	85-00/-
PT-8300/05	500	100	135-00/-
PT-8300/06	1000	200	275-00/-
PT-8300/07	2000	400	725-00/-

PT-8400

FLASK ERLENMEYER (Conical) Narrow Mouth Graduated.
(HSN-70179090)

MODEL	CAPCACITY IN ML	GRADUATION INTERVAL ML.	RATE/PIECE
PT-8400/01	50	10	85-00/-
PT-8400/02	100	25	85-00/-
PT-8400/03	150	50	110-00/-
PT-8400/04	250	50	135-00/-
PT-8400/05	500	100	190-00/-
PT-8400/06	1000	200	325-00/-
PT-8400/07	2000	500	1000-00/-
PT-8400/08	3000	500	1550-00/-
PT-8400/09	5000	500	2525-00/-

PT-8500

PETRI DISHES Borosilicate Glass



PT-8520

TEST TUBES round or flat bottom with rim or without rim, plane Borosilicate Glass(3.3)
(HSN-70179090)

MODEL	CAPCACITY IN ML	MM	RATE/PIECE
PT-8520/05	3	10 X 75	7-75/-
PT-8520/10	5	12 X 75	8-25/-
PT-8520/15	8	12 X 100	9-75/-
PT-8520/20	10	15 X 125	13-75/-
PT-8520/25	12	15 X 150	15-75/-
PT-8520/30	25	18 X 150	17-50/-
PT-8520/35	50	25 X 150	27-00/-
PT-8520/40	75	25 X 200	35-00/-

PT-8530

TEST TUBES neutral hard glass resistant with rim or without rim, round bottom
(HSN-70179090)

MODEL	SIZE IN MM	RATE/PIECE
PT-8530/05	10x 75	5-00/-
PT-8530/10	12 x 100	6-00/-
PT-8530/15	15 x 125	8-00/-
PT-8530/20	15 x 150	9-50/-
PT-8530/25	18 x 150	11-00/-
PT-8530/30	25 x 150	15-00/-
PT-8530/35	25 x 200	20-00/-



PT-9020
MOISTURE METER

Micro controller based Agro type, with rugged mechanical construction accurate moisture content is direct readable on 3 digit L.E. D. display. Temperature and conductivity are automatically compensated for final moisture percentage reading. No conversation table is needed. The whole instrument is protected in wooden box.

SPECIFICATION	
Range	8-40%
Accuracy	+ 0.2 %
Dimension	31 x 18 x 19 cm.
Weight	10 kg. without box
Workable on 220V 50 Hz or Battery operated	
27500-00/-	

PT-9030
DIGITAL MOISTURE METER

DIGITAL MOISTURE METER (Die Cast Aluminum Body)\: Micro controller based universal type, with rugged mechanical on struction, accurate moisture content is direct readable on 3 digit L.E.D. display. Temperature and conductivity results are automatically compensated for final moisture percentage reading. No conversion table is needed.

SPECIFICATION	
Range	8-40%
Accuracy	+ 0.2 %
Dimension	40 x 32 x 17 cm.
Weight	22 kg.
Main 230v 50hz or Battery operated	
42950-00/-	



PT-9030
DIGITAL MOISTURE METER



PT-9050
DIGITAL MOISTURE METER FOR WOOD

Microprocessor based, Digital, high accuracy portable instrument, workable on battery cells, complete with probe automatic temperature compensation.

SPECIFICATION	
Range	8-40%
Accuracy	± 0.3%
Operating	6 Battery cells
18950-00/-	

PT-9060
MOISTURE METER FOR SOIL DIGITAL

The instrument is for detecting saturation percentage of water in soil. It is workable 9v Battery 3.5 Digit display. complete with 20 cm electrode and wooden box.

SPECIFICATION	
Range	0 - 100 Saturation%
Accuracy	± 0.5%
Dimension	22 x 10 x 10cm.
Operation	Battery 9v x 2
Electrode Size	20 cm
Display	L.C.D. 3.5 Digit
9950-00/-	



PT-9050
DIGITAL MOISTURE METER FOR WOOD



PT-9060
MOISTURE METER FOR SOIL DIGITAL



Notes:

[illegible]

Terms of Contract for Customers and Dealers

1. ***Order Placement and Acceptance***
 - All orders must be submitted in writing via email, or our mobile number.
2. ***Pricing and Payment Terms***
 - Prices are subject to change without prior notice. The applicable price is the one in effect at the time of order confirmation.
 - Payment terms are [e.g., net 30 days] from the date of invoice, unless otherwise agreed in writing.
 - Late payments may incur interest charges of [18]% per month, compounded monthly.
3. ***Delivery and Shipping***
 - Delivery dates are estimates only and not guaranteed. We are not liable for any delays beyond our control.
 - Risk of loss passes to the customer upon delivery of goods to the carrier.
4. ***Returns and Cancellations***
 - Return of goods is only accepted with prior written approval and must be requested within [15] days of receipt.
 - Returned goods must be in original condition and packaging.
 - Cancellations must be requested in writing and may incur cancellation fees if the order is already in production or has been shipped.
5. ***Warranty and Liability***
 - We warrant that our products are free from defects in material and workmanship for a period of [12] months from the date of delivery.
 - Our liability is limited to the repair, replacement, or refund of defective products, at our discretion. We are not liable for any consequential or incidental damages.
6. ***Dealer Responsibilities***
 - Dealers are responsible for promoting and selling our products within their designated territories.
 - Dealers must adhere to our brand guidelines and pricing policies.
 - Unauthorized use of our trademarks, logos, or intellectual property is prohibited.
7. ***Confidentiality***
 - All parties agree to keep confidential any proprietary or sensitive information exchanged during the course of business.
8. ***Governing Law and Jurisdiction***
 - This contract shall be governed by and construed in accordance with the laws of [AMBALA CANTT].
 - Any disputes arising from this contract shall be resolved in the courts of [AMBALA CANTT].
9. ***Force Majeure***
 - We are not liable for failure to perform any obligation under this contract due to events beyond our control, such as natural disasters, war, strikes, or other force majeure events.
10. ***Amendments and Modifications***
 - Any amendments or modifications to these terms must be agreed upon in writing by both parties.
11. ***Entire Agreement***
 - These terms, along with any attached documents, constitute the entire agreement between the parties and supersede all prior agreements, whether written or oral.



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