



321, Starlit Tower, 29, YN Road -Indore 98270-08753, 0731-4080916

**A) DIGITAL AND MICROPROCESSOR BASED INSTRUMENT:-**

<b><u>MODEL</u></b>	<b><u>DETAILS</u></b>
ME-01	<b>Digital pH Meter</b> 3½ digit LED display.
ME-02	<b>Digital pH Meter (Porable)</b> 3½ digit LCD display.
ME-03	<b>MICROPROCESSOR BASED pH METER</b>
ME-04	<b>DIGITAL UV-VIS SPECTROPHOTOMETER (Single Beam)</b>  Range 190 to 1000 nm
ME-05	<b>DIGITAL SPECTROPHOTOMETER</b>  Range 340-960 nm
ME-06	<b>MICROPROCESSOR SPECTROPHOTOMETER (Single Beam)</b>

Range 340-960

**ME-07 MICROPROCESSOR FLAME PHOTOMETER With Sodium (Na) And potassium (k) filters**

**ME-08 DIGITAL CLINICAL FLAME PHOTOMETER dual Chamber**

**ME-09 DIGITAL FLAME PHOTOMETER**

**OPTIONAL:-**

- (1) Interference Filters (Na,K,Li, or Ca) each
- (2) Air Compressor unit with regulator and pressure guage.
- (3) Capillary tubes (set of 50)
- (4) Connecting Tubes set
- (5) Sample beaker (set of 5)

**ME-10 MICROPROCESSOR PHOTO COLORIMETER**

**OPTIONAL :-**

- (1) Standard Glass filter (Each Colour)
- (2) Test tube for colorimeter (set of 5)
- (3) Glass cuvettes (10 mm path length ) Set of 2
- (4) Photo cell /Photo diode
- (5) Spare lamp 6V 300 A.

**ME-11 DIGITAL PHOTO COLORIMETER 8 FILTER**

8 filters Mains operated, samples size 1 ml with 2 ½ digit LED display.

**ME-12 MICROPROCESSOR BASED CONDUCTIVITY/TDS METER.**

**ME-13 DELUX DIGITAL CONDUCTIVITY METER**

**ME-14 DIGITAL CONDUCTIVITY METER**

<b>ME-15</b>	<b>DIGITAL CONDUCTIVITY/TDS METER</b>
<b>ME-16</b>	<b>DIGITAL Ph, CONDUCTIVITY AND TEMPERATURE METER</b>
<b>ME-17</b>	<b>DIGITAL CONDUCTIVITY METER(Portable)</b>
<b>ME-18</b>	<b>DIGITAL TDS METER</b>
<b>ME-19</b>	<b>DIGITAL TDS METER (Portable)</b>
<b>ME-20</b>	<b>MICROPROCESSOR K.F. MOISTURE TITRATOR</b>  <b>OPTIONAL :-</b> (1) Dual Platinum Electrode (2) Titration Vessel (3) Dispensing tube (set of 5) (4) Connecting tubes (per set ) (5) Reservoir bottle (amber glass ) for KF reagent 250 ml. (6) Clear glass bottle for Acetone 250 ml. (7) Clear Glass bottle for Sillica Gel 250 ml. (8) Pyridine free KF reagent bottle 250 ml. (9) Methanol speciaaly dried for KF titration 500 ml. (10) Acetone bottle 500 ml.
<b>ME-21</b>	<b>DIGITAL TURBIDITY METER</b>
<b>ME-22</b>	<b>DIGITAL COLONY COUNTER</b>

**B) HEATING AND COOLING INSTRUMENTS:-**

<u>MODEL</u>	<u>DETAILS</u>																																	
	<b><u>OVENS</u></b>																																	
<b>ME-101</b>	<p><b>HOT AIR UNIVERSAL OVEN (Mettler Type)</b>  <b>(Three Side heating elements)</b></p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Chamber size in mm/inches</th> <th style="text-align: left;">No. of Shelves</th> <th style="text-align: left;">Capacity Approx.</th> </tr> <tr> <th style="text-align: left;">H    W    D            (APPROX.)</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>(a) 300x 300x300            (12"x12"x12")</td> <td>2</td> <td>28 ltrs</td> </tr> <tr> <td>(b) 350x350x350            (14"x14"x14")</td> <td>2</td> <td>45 ltrs</td> </tr> <tr> <td>(c) 400x400x400            (16"x16"x16")</td> <td>2</td> <td>65 ltrs</td> </tr> <tr> <td>(d) 450x450x450            (18"x18"x18")</td> <td>2</td> <td>95 ltrs</td> </tr> <tr> <td>(e) 600x450x450            (24"x18"x18")</td> <td>2</td> <td>125 ltrs</td> </tr> <tr> <td>(f) 600x600x600            (24"x24"x24")</td> <td>2</td> <td>224 ltrs</td> </tr> <tr> <td>(g) 900x600x450            (36"x24"x18")</td> <td>2</td> <td>252 ltrs</td> </tr> <tr> <td>(h) 900x600x600            (36"x24"x24")</td> <td>2</td> <td>336 ltrs</td> </tr> <tr> <td>(i) 900x900x900            (36"x36"x36")</td> <td>2</td> <td>730 ltrs</td> </tr> </tbody> </table> <p><b>OPTIONAL:-</b></p> <ol style="list-style-type: none"> <li>(1) Air Circulating Fan</li> <li>(2) Timer 0-24 hours</li> <li>(3) Imported Thermostat "EGO"/"JUMO" German with the accuracy of 1°C.</li> <li>(4) Digital temp. Indicator-Cum-Controller.</li> <li>(5) Microprocessor PID Digital temp. Indicator- Cum-Controller.</li> <li>(6) Digital Temp. Indicator.</li> </ol>	Chamber size in mm/inches	No. of Shelves	Capacity Approx.	H    W    D            (APPROX.)			(a) 300x 300x300            (12"x12"x12")	2	28 ltrs	(b) 350x350x350            (14"x14"x14")	2	45 ltrs	(c) 400x400x400            (16"x16"x16")	2	65 ltrs	(d) 450x450x450            (18"x18"x18")	2	95 ltrs	(e) 600x450x450            (24"x18"x18")	2	125 ltrs	(f) 600x600x600            (24"x24"x24")	2	224 ltrs	(g) 900x600x450            (36"x24"x18")	2	252 ltrs	(h) 900x600x600            (36"x24"x24")	2	336 ltrs	(i) 900x900x900            (36"x36"x36")	2	730 ltrs
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**NOTE:- Please ask for other capacities of your requirement.**

**ME-102 DRYING OVEN INDUSTRIAL**  
**Chamber Size in mm/inches**

	<b>H</b>	<b>W</b>	<b>D</b>	<b>(Approx.)</b>
(a)	900	600	600	(36"x24"x24")
(b)	1200	900	600	(48"x36"x24")
(c)	1500	900	900	(60"x36"x36")
(d)	1800	1200	900	(72"x48"x36")

**OPTIONAL:-**

- (1) Timer 0-24 hours.
- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Digital Temp. Indicator.

**NOTE:- Please ask for other capacities of your requirement.**

**ME-103 TRAY DRYER**  
**Chamber Size in mm**                      **Tray Capacities**  
**H    W    D**                                      **(Approx.)**

(a)	430	840	650	(8 trays of 16"x32"x1/1/4"size.)
(b)	430	840	910	(12 trays of 16"x32"x1/1/4"size.)
(c)	910	840	910	(24 trays of 16"x32"x1/1/4"size.)
(d)	960	1270	1450	(48 trays of 16"x32"x1/1/4"size.)
(e)	960	1700	1700	(96 trays of 16"x32"x1/1/4"size.)

**OPTIONAL:-**

- (1) Timer 0-24 hours.
- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Tray 16"x32"x1/1/4"size.

**NOTE:- Please ask for other capacities of your requirement.**

**ME106**

**OVEN VACCUM.**

**Chamber size in mm**

**Dia xDepth Capacity (Approx.)**

- |     |           |         |
|-----|-----------|---------|
| (a) | 250x300mm | 12ltrs. |
| (b) | 300x300mm | 24ltrs. |
| (c) | 300x500mm | 40ltrs. |

**OPTIONAL:-**

- (3) Imported Thermostat "EGO"/"JUMO" German with the accuracy of 1°C.
- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Microprocessor PID digital temp. Indicator-Cum-Controller.
- (4) Digital Temp. Indicator.

**INCUBATORS**

**ME-107**

**INCUBATORS BACTERIOLOGICAL**

**Chamber Size in mm/inches (Approx.) No. of Shelves Capacity Approx.**

- |     | <b>H</b> | <b>W</b> | <b>D</b> |               | <b>No. of Shelves</b> | <b>Capacity Approx.</b> |
|-----|----------|----------|----------|---------------|-----------------------|-------------------------|
| (a) | 300      | 300      | 300      | (12"X12"X12") | 2                     | 28 ltrs                 |
| (b) | 350      | 350      | 350      | (14"x14"x14") | 2                     | 45 ltrs                 |
| (c) | 400      | 400      | 400      | (16"x16"x16") | 2                     | 65 ltrs                 |
| (d) | 450      | 450      | 450      | (18"x18"x18") | 2                     | 95 ltrs                 |
| (e) | 600      | 450      | 450      | (24"x18"x18") | 2                     | 125 ltrs                |
| (f) | 600      | 600      | 600      | (24"x24"x24") | 2                     | 224 ltrs                |
| (g) | 900      | 600      | 450      | (36"x24"x18") | 2                     | 252 ltrs                |
| (h) | 900      | 600      | 600      | (36"x24"x24") | 2                     | 336 ltrs                |
| (i) | 900      | 900      | 900      | (36"x36"x36") | 3                     | 730 ltrs                |

**OPTIONAL:-**

- (1) Air Circulating Fan
- (2) Timer 0-24 hours
- (3) Imported Thermostat "EGO"/"JUMO" German with the accuracy of
- (4) Digital temp. Indicator-Cum-Controller.
- (5) Microprocessor PID Digital temp. Indicator- Cum-Controller.
- (6) Digital Temp. Indicator.

<b>ME-109</b>	<b>INCUBATOR B.O.D Inner Chambers Sizes in mm</b>	<b>Capacity in Cu.ft.</b>	<b>Capacity Approx.</b>
(a)	455x410x610	4 Cu.ft.	112 ltrs
(b)	505x415x830	6.1 Cu.ft.	171 ltrs
(c)	565x565x865	10 Cu.ft.	280 ltrs
(d)	650x580x900	12 Cu. Ft.	336 ltrs
(e)	700x650x900	15 Cu.ft.	420 ltrs

**OPTIONAL:-**

- (1) Timer 0-24 hours day night cycle.
- (2) Co<sub>2</sub>/air mixer nozzle is provided.
- (3) Internal illumination with 3 fluorescent tubes.
- (4) Digital temp. Indicator-Cum-Controller.
- (5) Microprocessor PID Digital temp. Indicator- Cum-Controller.
- (6) Automatic Voltage Stabilizer 3-5 KVA (recommended must).

**ME-110 ORBITAL SHAKING INCUBATOR cum- B.O.D. INCUBATOR**

- a) Capacity 16x500 ml. Flax temp. 5° above ambient to 60°C.
- b) Same as NU-109 but temperature range 5 °C to 60°C with lighting arrangement.

**OPTIONAL:-**

- (1) Timer 0-24 hours.
- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Microprocesor PID digital temp. Indicator-cum-controller.

(4) Automatic Voltage stabilizer 3KVA (Recommended must).

**ME-110B WALK-IN-INCUBATOR**

Available Sizes

**W H D**

a) 1.1x2.3x1.1 meter

**ME-110C WALK-IN-INCUBATOR**

Same as Nu-109 but with controlled humidity upto 95%±5%

**W H D**

a) 1.1x2.3x1.1 meter

**ME-10D WALK-IN-INCUBATOR**

Sama as Nu-109 but Temperature range 10°C to 60°C.

**Available Sizes**

**W H D**

a) 1.1x2.3x1.1 meter

**BATHS**

**ME-111 SEROLOGICAL WATERBATH (Thernostatic Water Bath)**

**Size Side Chamber (Stainless Steel) Capacity (Approx)**

(a)	300x175x175mm	(Suitable for 1 racks)	12 ltrs.
(b)	300x250x175mm	(Suitrable for 2 racks)	14 ltrs.
©	375x300x175mm	(Suitable for 4 racks)	18 ltrs.
(d)	455x300x175mm	(Suitable for 6 racks)	25 ltrs.
(e)	605x300x175mm	(Suitable for 8 racks)	32 ltrs.

**OPTIONAL:-**

(3) Imported Thermostat "EGO"/"JUMO" German with the accuracy of 1°C.

(2) Digital Temp. Indicator-Cum-Controller.

(3) Microprocessor PID digital temp. Indicator-Cum-Controller.

(4) Digital Temp. Indicator.

(4) Stirrer with 1/20 H.P Speed Motor with Stainless Steel stirring rod and blade.



**ME-112 WATER BATH RECTANGULAR (Double Wall)  
(Thermostatic Control)**

	<b>Size inside (Stainless Steel)</b>	<b>Capacity (Approx)</b>
(a)	300x250x100mm    6 holes of 75mm dia.	8 ltrs.
(b)	355x405x100mm    12 holes of 75mm dia.	15 ltrs.

**OPTIONAL:-**

- (1) Imported Thermostat "EGO"/"JUMO" German with the accuracy of  $\pm 0.5^{\circ}\text{C}$ .
- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Microprocessor PID digital temp. Indicator-Cum-Controller.
- (4) Stirrer with 1/20 H.P Speed Motor with Stainless Steel stirring rod and blade.
- (5) Digital Temp. Indicator.

**ME-113 WATER BATH RECTANGULAR (Single Wall)**

	<b>Size inside (Stainless steel)</b>	<b>Capacity (approx.)</b>
(a)	300x250x100mm    6 holes of 75 mm dia	8 ltrs.
(b)	355x405x100mm    12 holes of 75 mm dia	15 ltrs.

**ME-114 WATER BATH PRECISION (Constant temp. Control)**

**Chamber size in mm and inches.**

(a)	452x250x225 mm    (17"x10"x9")
(b)	450x375x375 mm    (18"x15"x15")
©	600x450x450mm    (24"x18"x18")

**OPTIONAL:-**

- (1) Digital temp Indicator-cum-Controller instead of contact thermometer.
- (2) Microprocessor PID digital temp. Indicator-Cum-Controller instead of the thermometer.

**ME-114A ULTRA SONIC BATH**

(a)	9"x5"x2½"	1.6ut
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(b) 12"x6"x4" 3.6ut

**ME-114B WATER BATH PARAFFIN**

- (a) 4 cups and 6 Sleeves.
- (b) 6 cups and 8 Sleeves.
- (c) 12 cups and 14 sleeves.

**ME-115 WATER BATH TISSUE FLOTATION**

	<b>DIA</b>		<b>DEPTH</b>
(a)	200 mm	x	75 mm
(b)	250 mm	x	125 mm

**ME-116 OIL BATH (High Temperature) with Stirrer Chamber Size in mm and inches approx.**

- (a) 250x250x250 (10"x10"x10)
- (b) 300x300x250 (12"x12"x10")
- (c) 350x350x250 (14"x14"x10")

**OPTIONAL:-**

- (3) Imported Thermostat "EGO"/"JUMO" German with the accuracy of 1°C.
- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Microprocessor PID digital temp. Indicator-Cum-Controller.
- (4) Digital Temp. Indicator.
- (5) Mercury contact thermometer and reply with accuracy better than 1°C.

**ME-117 UNIVERSAL WATER BATH (Dual Purpose) Chamber Size in mm and inches capacity (Approx.)**

- (a) 300x225x175 (12"x9"x7") 4 ltrs.
- (b) 450x300x175 (18"x12"x7") 25 ltrs.

**OPTIONAL:-**

- (1) Imported Thermostat "EGO"/"JUMO" German with the accuracy of ±1°C.

- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Microprocessor PID digital temp. Indicator-Cum-Controller.
- (4) Digital Temp. Indicator.
- (5) Stirring arrangement with Stainless Steel rod and blades.

**ME-118 CONSTANT TEMPERATURE REFRIGERATION LIQUID BATH (Cooling Bath)**

	<b>Chamber Size</b>	<b>Capacity (Approx.)</b>
(a)	500x250x250 mm	32 ltrs.

**OPTIONAL:-**

- (1) Digital temp Indicator-cum-Controller instead of contact thermometer.
- (3) Microprocessor PID digital temp. Indicator-Cum-Controller.

**ME-119 REFRIGERATED LIQUID BATH**

	<b>Chamber Size</b>	<b>Capacity (Approx.)</b>
(a)	450x300x300 mm	42 ltrs.

**OPTIONAL:-**

- (3) Microprocessor PID digital temp. Indicator-Cum-Controller.

**ME-120 WATER BATH INCUBATOR SHAKER (Metabolic Shaking Incubator)**

	<b>Shaking Tray Size (Stainless Steel)</b>	<b>Capacity (Approx.)</b>
(a)	275x275x150 mm	12 ltrs.
(b)	405x300x150 mm	18 ltrs.

**OPTIONAL:-**

- (1) Impored Thermost 'EGO/JUMO" German with the accuracy with 0.5°C.
- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Microprocessor PID digital temp. Indicator-Cum-Controller.
- (4) Digital temp. Indicator.

(5) Shaking tray for 25 ml,50ml,250ml,100ml,500ml and 25 dia.  
Test tubes or conical flask.

**DISTILLATION STILLS**

**ME-122 WATER STILL: (Manasty type) Wall hanging Stainless Steel  
Output Capacity (Approx.)**

- (a) Output approx. 2/3 liters per hour
- (b) Output approx. 3/4 liters per hour
- (c) Output approx. 5/6 liters per hour.

**ME-123 WATER STILL: (Barnstead type) Table Model,  
S.S Double wall body**

**Output Capacity**

- (a) Output Approx. 4/5 liters per hour
- (b) Output approx. 8/9 liters per hour
- (c) Output Approx. 15/6 liters per hour
- (d) Output Approx. 25/26 liters per hour

**ME-124 DOUBLE DISTILLATION STILL: Stainless Steel body**

- (a) Output approx. 6/8 liters hour. Double distilled water.

**FURNANCES**

**ME-125 RECTANGULAR MUFFEL FURNANACE (Laboratory model)  
Inner Muffel Size in mm and Inches**

- (a) 225x100x100 (9"x4"x4")
- (b) 250x125x125 (10"x5"x5")
- (c) 300x125x125 (12"x5"x5")

- (d) 300x150x150 (12"x6"x6")
- (e) 300x200x200 (12"x8"x8")
- (f) 350x175x125 (14"x7"x5")
- (g) 475x175x125 (19"x7"x5")
- (h) 450x25x225 (18"x9"x9")

**OPTIONAL:-**

(1) Digital Indicator-Cum-Controller instead of energy regulator and pyrometer.

(2) Microprocessor PID digital temp. Indicator-Cum-Controller instead of energy regulator and pyrometer.

**ME-126 HIGH TEMPERATURE FURNANCE 1200°C (Industrial) WITH DIGITAL CONTROLLER**

**MUFFEL SIZE IN mm and Inches.**

- (a) 225x100x100 (9"x4"x4")
- (b) 250x125x125 (10"x5"x5")
- (c) 300x150x150 (12"x6"x6")
- (d) 300x200x200 (12"x8"x8")
- (e) 450x225x255 (18"x9"x9")

**OPTIONAL:-**

(1) Microprocessor PID digital temp. Indicator-Cum-Controller.

**NOTE:- 1400°C Muffel Furnance can be offered on demand.**

**ME-127 MAGNETIC STIRRER :- Magnetic Stirrer with heating System.**

- 1) 1 liter
- 2) 2 liter
- 3) 5 liter

**ME-128 LABORATORY STIRRER**

**OPTIONAL:-**

(1) Automatic 0-60 minutes Timer.

**ME-129 TISSUE HOMOGENISER**

- (a) Homogenizing Vessel 25 ml.
- (b) Homogenizing Vessel 50 ml.
- (c) Homogenizing Vessel 100 ml.

**HEATING MANTELS**

**ME-130 HEATING MANTELS**

	<b>Capacity</b>	<b>Wattage</b>
(a)	50 ml	60
(b)	100ml	60
(c)	250 ml	150
(d)	500ml	200
(e)	1 litrs	300
(f)	2 litrs	450
(g)	3 litrs	450
(h)	5 litrs	600
(i)	10 litrs	2x500
(j)	20 ltrs	4x500

**HOT PLATES**

**ME-131 HOT PLATES**

- (a) HOT PLATES:(ROUND)SINGLE  
20cms (8")dia. Moulded top.
- (b) HOT PLATES:(ROUND) DOUBLE  
Two Plates of 20 cm (8") dia.
- (c) HOT PLATES:(COIL TYPE)  
20 CM (8") DIA.

**ME-131 (b) HOT PLATE ?(Rectangular)**

**Following Standard Sizes are available:**

- (a) 30x25 cm (12"x10")
- (b) 40x25 cm (16"x10")
- (c) 45x30 cm (18"x12")
- (d) 60x45 cm (24"x18")

**NOTE:- Other Sizes can be offered on demand.**

**ME-132 SLIDE WARMING TABLE**

**Available Sizes:**

- (a) 30x25 cm (12"x10")
- (b) 40x25 cm (16"x10")
- (c) 45x30 cm (18"x12")
- (d) 60x15 cm (24"x6")

**SHAKING MACHINE**

**ME-133 ROTARY SHAKER (VDRL ROTATOR) variable speed**

**ME-134 SHAKING MACHINE (Wrist Action)**

**Capacity of Holding**

- (a) 4 flask
- (b) 8 flask
- (c) 12 flask

**OPTOINAL:-**

(1) Automatic 0-60 minutes timer.

**ME-135 VORTEX SHAKER/CYCLO MIXER (Test Tubes Shaker)**

ME-136	RECIPROTING SHAKING MACHINE (Khan Rack Type)			
	Size of carrier	Strokes per min.	Motor	Body Type
(a)	20"x13"x4"	275	0.25 HP	Fixed Speed
c)	20"x13"x4"	150 to 250	0.25 HP	Covered
(d)	31"x17"x4"	150 to 250	0.25 HP	Covered
(e)	36"x18"x4"	150 to250	0.50 HP	Covered

**OPTIONAL:-**

(1) 0-60 minutes timer.

NOTE:- Shaking machines of other specification can be offered on demand.

ME-137	ROTATORY SHAKER (Platform Ttpe)		
	Platform Size	Holding Cap.	Motor HP
(a)	45x45 cm	25 flask of 100 ml	0.25
(b)	45x45 cm	36 flask of 50 ml	0.25
c)	45x45 cm	15 flask of 250 ml	0.25
(d)	55x55 cm	25 flask of 250 ml	0.25
(e)	65x65 cm	36 flask of 250 ml	0.25
(f)	100x100 cm	81 flask of 250 ml	1.00
(g)	100x100 cm	81 flask of 250 ml	1.00

**OPTIONAL:-**

(1) 0-60 minutes timer.

NOTE:- Specific Sizes and capacities can be ofered on demand.

**GENERAL EQUIPMENTS**

**ME-138A** MELTING POINT APPARATUS:

**ME-138B** MELTING POINT APPARATUS: Fully Auto and Digital

**ME-138C** MELTING POINT APPARATUS: With cooling Plug.

**OPTIONAL:-**



- (1) Thermometer 360°C .
- (2) Capillary Tube Set;
- (3) Cooling Plug.

**ME-139 PIPPETE WASHER (Automatic)**

**ME-140 MEDICO/CLINICAL CENTRIFUGE**

- (a) 4x15 ml tubes
- (b) 6x15 ml tubes
- c) 8x15 ml tubes.

**ME-140A CENTRIFUGE RECTANGULAR (Research)**

**Capacity:**

- (a) 4x15 ml tubes
- (b) 6x15 ml tubes
- © 8x15 ml tubes
- (d) 12x15 ml tubes.

**OPTIONAL:-**

- (1) Automatic Timer.
- (2) Automatic timer (Digital).
- Speed Meter (Manual)
- Speed Meter ( Digital).

**ME-141 VACCUM PUMP**

	<b>Capacity</b>	<b>motor</b>	
(a)	32lt/mm	0.25 hp	1) Single Stage 2)Double Stage
(b)	50lt/mm	0.25 hp	1) Single Stage 2)Double Stage

- |     |          |         |                                    |
|-----|----------|---------|------------------------------------|
| (c) | 75lt/mm  | 0.25 hp | 1) Single Stage<br>2) Double Stage |
| (d) | 100lt/mm | 0.50 hp | 1) Single Stage<br>2) Double Stage |

**OPTIONAL:-**

- 1) Vacuum Gauge with regulator.
- 2) Belt guard
- 3) Moisture Trap
- 4) Non-returnable Valve
- 5) Air Blast.

**ME-142 SOXHELT EXTRACTIONS UNITS (Mantel Type) without glass parts.**

- (a) The Unit of 3 mantels rating 500 watts.
- (b) The Unit of 6 mantels rating 750 watts.

**(A) SOXHELT EXTRACTIONS UNITS:(Heater Type)**

- (1) A Unit of 3 heaters.
- (2) A Unit of 6 heaters.

**(B) SOXHELT EXTRACTIONS UNIT (Hot Plate Type)**

- (1) A Unit of 3 Hot Plates.
- (2) A Unit of 6 Hot Plates.

**C) SOXHELT EXTRACTIONS UNIT (Bath Type)**

**(a) Single Wall Chamber made of stainless steel**

- (1) A Unit of 3 baths.
- (2) A Unit of 6 baths.

**(b) Double Wall Inner Chamber Made of Stainless Steel.**

- (1) A Unit of 3 baths
- (2) A Unit of 6 baths.

**OPTIONAL:-**

(10 Sunvic energy regulator can be provided with all above units.

**NOTE:-**

(1) All above units are without glass parts.

**ME-143 KJELDHAL UNITS 9Without Glass Parts)**

**(A) KJELDHAL DIGESTION UNITS:**

- (1) Unit of 3 tests (Heater type)
- (2) Unit of 6 tests (Heater type)
- (3) Unit of 3 tests (Heater type).
- (4) Unit of 6 tests (Mantel type)

**OPTIONAL:-**

- !Fume duct made of lead or Borosilicate glass.
- (2) Sunvic energy regulator.

**(B) KJELDHAL DISTILLATION UNITS:**

- (1) Unit of 3 test (Heater type)
- (2) Unit of 6 tests(Heater type)
- (3) Unit of 3 tests (Mantel type)
- (4) Unit of 6 tests (?Mantel type)

**OPTIONAL:-**

- (1) Sunvic energy regulator.

**(C) KJELDHAL DIGESTION AND DISTILLATION UNITS:(Combined)**

- (1) Unit of 3 tests (Heater type)
- (2) Unit of 6 tests (Heater type)
- (3) Unit of 3 tests (Mantel type)
- (4) Unit of 6 tests (Mantel type)

**OPTIONAL:-**

- !Fume duct made of lead or Borosilicate glass.
- (2) Sunvic energy regulator.

NOTE:- All above units are without glass parts.

**ME-143A TUBE HEATING BLOCK (KJELDHAL DRYU BATH)**

**OPTIONAL:**

- (2) Digital Temp. Indicator-Cum-Controller.
- (3) Ther above Chamber with 40 holes to accept 13 and 19mm tubes can also made available on demand.

**AUTOCLAVES**

**ME-144 AUTOCLAVES LABORATORY (Portable)**

**Sizes :Dia x height in mm**

- (a) 300x300mm (seamless)
- (b) 300x 37 mm (joined)
- (c) 300x 50 mm (jointed)

**ME-145 AUTOCLAVE (Verticle) Double Wall**

**Chamber Size and load  
DiaxDepth**

**Capacity  
(Approx.)**

- |     |            |      |               |
|-----|------------|------|---------------|
| (a) | 250x450 mm | 2KW  | 22 22 ltrs.   |
| (b) | 300X500 mm | 3KW  | 40 40ltrs.    |
| c)  | 350x550 mm | 4 KW | 50 ltrs.      |
| (d) | 400x600 mm | 5KW  | 78 ltrs.      |
| (e) | 450x600 mm | 5KW  | 98 ltrs.      |
| (f) | 550x750 mm | 6KW  | 152 152 ltrs. |

**OPTIONAL:-**

- (1) Automatic low-water level cut off-device.
- (2) Pressure Control Switch.
- (3) Water level arrangement.
- (4) Dressing bins for various size.
- (5) Radical Lock

**ME-145A AUTOCLAVE VERTICLE HIGH PRESSURE (Triple walled)**

	<b>DiaxDepth</b>	<b>Load</b>	<b>Capacity (Approx.)</b>
(a)	250x450 mm	2KW	22 22 ltrs.
(b)	300X500 mm	3KW	40 40 ltrs.
c)	350x550 mm	4 KW	50 ltrs.
(d)	400x600 mm	5KW	78 78 ltrs.
(e)	450x600 mm	5KW	98 152 ltrs.
(f)	550x750 mm	6KW	152 152 ltrs.

**OPTIONAL:-**

- (1) Automatic low-water level cut off-device.
- (2) Pressure Control Switch.
- (4) Dressing bins for various size.

**ME-146 HORIZONTAL AUTOCLAVE**

	<b>DiaxDepth</b>	<b>Load</b>	<b>Capacity (Approx.)</b>
(a)	300X500 mm	3KW	40 40 ltrs.
(b)	350x550 mm	4 KW	50 ltrs.
c)	400x600 mm	5KW	78 78 ltrs.
(d)	450x600 mm	5KW	98 152 ltrs.
(e)	550x750 mm	6KW	152 152 ltrs.
(f)	400x1100 mm	9 KW	162 ltrs.

**ME-146A HORIZONTAL HIGH PRESSURE CYLINDRICAL STEAM STERILIZER**

	<b>DiaxDepth</b>	<b>Load</b>	<b>CAPACITY (Approx.)</b>
(a)	400x600 mm	5KW	78 78 ltrs.
(b)	400x1100 mm	9 KW	162 ltrs.
c)	500x900 mm	9 KW	165 ltrs.
(d)	500x1200 mm	9 KW	221 ltrs.

**NOTE:- Please ask for the other capacities and sizes of your**

requirements.

**SEED GERMINATOR/ENVIRONMENTAL EQUIPMENTS**

<b>ME-149</b>	<b>HUMIDITY CABINET</b>	<b>CAPACITY</b>
	<b>Size inside Chamber</b>	<b>(Approx.)</b>
	<b>W H D</b>	
(a)	455x455x455 mm	95 ltrs.
(b)	455x455x710 mm	147 ltrs.
(c)	605x605x605 mm	225 ltrs.
(d)	605x605x910 mm	335 ltrs.

**OPTIONAL:-**

- (1) Imported Thermostat "EGO/JUMO" German with the accuracy of  $\pm 0.5^{\circ}\text{C}$ .
- (2) Digital Temp. Controller -Cum- Indicator.
- (3) Hygrometer (Humidity Indicator).
- (4) Automatic electronic controller with digit display for Temp. and humidity combined.
- (5) Microprocessor PID Digital temp. Indicator- Cum-Controller.
- (6) Automatic voltages Stabilizer : 3 KVA (recommended).

<b>ME-150</b>	<b>ENVIRONMENTAL CHAMBER HUMIDITY CABINET</b>	<b>Capacity (APPROX.)</b>
	<b>Chamber Size in mm</b>	
	<b>W H D</b>	
(a)	455x455x455 mm	95 ltrs.
(b)	455x455x710 mm	147 ltrs.
(c)	605x605x605 mm	225 ltrs.
(d)	605x605x910 mm	335 ltrs.

**OPTIONAL:-**

- (1) Imported Thermostat "EGO/JUMO" German with the accuracy of  $\pm 0.5^{\circ}\text{C}$ .
- (2) Digital Temp. Controller -Cum- Indicator.
- (3) Hygrometer (Humidity Indicator).
- (4) Automatic electronic controller with digit display for Temp. and humidity combined.

(5) Microprocessor PID Digital temp. Indicator- Cum-Controller.

**LAMINAR, FUME HOOD AND BIO SAFTEY CABINATES**

**ME-157 HORIZONTAL LAMINAR AIR FLOW CABINET**

**Working Chamber Size.**

- (a) 2'x2'x2'
- (b) 3'x2'x2'
- (c) 4'x2'x2'
- (d) 6'x2'x2'

**OPTIONAL:-**

- 1) Stainless Steel table top
- 2) Folding Front door made of arcylic sheet.

**ME-157A VERTICAL LAMINAR AIR FLOW CABINET**

**Working Chamber Size**

- (a) 2'x2'x2'
- (b) 3'x2'x2'
- (c) 4'x2'x2'
- (d) 6'x2'x2'

**OPTIONAL:-**

- 1) Stainless Steel table top
- 2) Folding Front door made of arcylic sheet.

**ME-158 BIOLOGYCAL SAFETY CABINET (as per class 2)**

	<b>Working Size</b>	<b>Size of HEAP Filter</b>	<b>NO.of HEAP Filter</b>	<b>Illumination</b>
(a)	2'x2'x2'	2'x2'x6"	1	1x20 W
(b)	3'x2'x2'	3'x2'x6"	1	!x20 W
(c)	4'x2'x2'	4'x2'x6'	1	1x30 W

(d)	6'x2'x2'	3'x2'x6"	2	1x30 W
	<b>OPTIONAL:-</b> (1) Virus burn out unit 2'x2'x2' 3'x2'x2' 4'x2'x2' 6'x2'x2' (2) Exhaust Ducting (per running feet) (3) Gas Burner.			
<b>ME-159</b>	<b>FUME HOOD</b>			
	<b>Working Chamber Size:</b>	<b>3'x2'x2'</b>	<b>4'x2'x2'</b>	
	M.S	95000		125000
	S.S	125000		160000
	Wooden	40000		60000
	<b>OPTIONAL:-</b>			
	(1) High CFM exhaust system (for duct exceedind 10 feet in length)	11000		12000
	(2) S.S Lining on work bench	3400		3800
	(3) PVC Fume Duct (Per ft.)	150000		190000
<b>ME-161</b>	<b>AIR CURTAINS</b>			
	<b>Door Width</b>			
(a)	900 mm			
(b)	1200 mm			
©	1500 mm			
(d)	1800 mm			
<b>ME-162</b>	<b>INOCULATION CHAMBER</b>			
	<b>Chamber Size</b>			
(a)	100x60x90 cm			
(b)	100x60x60 cm			



- c) 70x50x40 cm
- .Chamber Size:- Inoculation Chamber Size.**
- ME-163 GLASS BEAD STERILIZER**
- (a) Crucible Size:2"Diax2" Depth.  
(b) Crucible Size: 2"Diax6 ½" Depth.
- ME-164 HUMIDIFIER Capacities :3 Liters**
- OPTIONAL:-**  
(1) Controt box with Humidistat for controlling humidity.
- ME-165 DE-HUMIDIFIER**
- capacities: 1.54 tons  
capacities: 2 tones
- ME-165A DE-HUMIDIFER (With Digital Humidity Indicator-cum-controller)**
- OPTIONAL:-**  
Automatic Voltage Stabilizer 4.0 KVA.(Recommended)
- ME-166 ROTATORY MICROTOME (Erma Type)**
- ME-167 ROTATORY SENIOR MICROTOME (A.o Spencer 820 Types)**
- ME-168 PRECISION ROTATORY MICRC TOME (Lipshaw Type)**
- ME-169 MICROTOME CRYOSTAT AUTOMATIC (-30°C)**
- OPTIONAL:-**  
(1) Voltage Stabilizer (3KVA).  
(2) Block Holders.  
(3) Low Temperature Oil.

**ME-169A MICROTOME RAZOR SHARPNER AUTOMATIC (Spencer type)**

**OPTIONAL;-**

- (1) Micro Coarse and fine abrasive (Set of two bottle of 200 gm each).
- (2) Spare glass plate.
- (3) Spare Knife Holder.

**ME-170 AUTOMATIC MICROTOME KNIFE SHARPNER  
(Arthur Thomas type)**

**OPTIONAL:-**

- (1) Micro abrasive (set of two bottle of 200 gm each)
- (2) Spare glass plate.
- (3) Spare Knife Holder.

**ME-171 U.V. CHROMATOGRAPHY INSPECTION CABINET (Single Tube)**

**ME-171A U.V CHROMATOGRAPHY INSPECTION CABINET (Double Tube)**

**ME-177 TISSUE CULTURE RACK  
No/ of racks**

- (a) Unit of four racks.
- (b) unit of five racks.
- (c) unit of six racks.

**ME-178 TISSUE CULTURE HOOD  
Outside Size:**

- (a) 1200x600x600 mm (ht.at back)

**OPTIONAL:-**

- (1) Exhaust System
- (2) Stainless Steel Top in lieu of Sumica top.

**ME-179 MOISTURE ANALYSER (Digital ) Range 8% to40%**

**ME-179A MOISTURE ANALYSER (Digital) DIRECT READING**

**ME-179B INFRARED MOISTURE BALANCE**

- (a) 5 gms
- (b) 10 gms
- (c) 25 gms

**ME-180 LAB WILLEY GRINDER (Arthur H. Thomas Type)**

	<b>Chamber Size</b>	<b>Motor Cap.</b>
(a)	40x25 mm	0.25 H.P
(b)	65x25 mm	0.25 H.P
(c)	100x50 mm	0.50 H.P
(d)	200x75 mm	1.00 H.P. (Heavy Duty)

**ME-180A BALL MILL (Laboratory Type)**

<b>Capacity</b>	<b>Motor Cap.</b>
1 kg jar	F.H.P.
2 kg jar	F.H.P.
5 kg jar	¼ H.P.

**OPTIONAL:-**

- (1) Automatic 0-60 minute Timer.