



# Product Catalogue

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# PRODUCT CATALOGUE

## SSI-101 HOT AIR OVEN

### Construction

- Double walled cabinet with inner chamber made of stainless steel and outer made of mild steel and is powder coated.
- Removable and adjustable type shelf are provided which help avoid samples falling during door opening or during handling. Also accommodation of various sizes of samples is possible.
- Air ventilations are provided in both side .

### Temperature Range

5°C above ambient to 250°C

### Control system

The instrument is controlled by means of precision microprocessor based PID controller with a control accuracy of  $\pm 1^\circ\text{C}$ . A safety imported liquid expansion thermostat is provided to protect the samples in case of any malfunction.

### Safety protection system

**Operator protection:** MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other fire hazards.

**Controller protection:** MOV is provided to protect the controller damage from any high voltage function.

**Product / Sample protection :** Safety thermostat is provided in case of microprocessor controller failure thereby protecting the samples from temperature overshoot.

### Sizes available

Chamber Size (in mm)	Chamber Size (in inches)	No. of shelves
300x300x300mm	12x12x12"	2
350x350x350mm	14x14x14"	2
400x400x400mm	16x16x16"	2
450x450x450mm	18x18x18"	2
600x450x450mm	24x18x18"	2
600x600x600mm	24x24x24"	2
900x600x450mm	36x24x18"	2
900x600x600mm	36x24x24"	2
900x900x900mm	36x36x36"	3



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# PRODUCT CATALOGUE

## SSI-103 TRAY DRIER

### Construction

- Triple walled cabinet with inner and middle chamber made of stainless steel and outer made of mild powder coated.
- Removable and adjustable type shelves are provided which help avoid samples falling during door opening or handling. The shelves also accommodate samples of various sizes.
- Forced convection type oven has heavy duty fan at back side to maintain homogeneous temperature throughout the chamber.

### Temperature Range

5°C above ambient to 250°C / 400°C

### Control system

The instrument is controlled by means of precision microprocessor based PID controller with a control accuracy of  $\pm 1^\circ\text{C}$ . A safety imported jumo liquid expansion thermostat is provided to protect the samples in case of any malfunction of PID controller.

### Safety protection system

**Operator protection :** MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other fire hazards.

**Product/Sample protection :** Safety thermostat is provided in case of failure of microprocessor controller thereby protecting the samples from temperature overshoot.

### Sizes available

Chamber Size (HxWxD) in mm	Size of Drier	Tray Size
430x840x650	For 8 Tray Provision	16x32x1 <sup>1/4"</sup>
430x840x910	For 12 Tray Provision	16x32x1 <sup>1/4"</sup>
910x840x910	For 24 Tray Provision	16x32x1 <sup>1/4"</sup>
960x1270x1450	For 48 Tray Provision	16x32x1 <sup>1/4"</sup>
960x1700x1700	For 96 Tray Provision	16x32x1 <sup>1/4"</sup>



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# PRODUCT CATALOGUE

## SSI-106 VACUUM OVEN

### Construction

- Inside chamber is made of thick stainless steel S.S.304
- Outside chamber made of Mild steel Powder coated
- High grade glass wool insulation between two walls to avoid lost of heat
- Precise vacuum guage upto -760mmHg analogue
- Proper door alignment to ensure excellent vacuum performance & operate safety
- Positive screw to tighten the lid to obtain preface seal
- Fitted with vacuum valves & vacuum gauge
- Switches & indicating lamps are provided on front panel

### Temperature Range

50 °C to 200 °C with accuracy of  $\pm 2$  °C

### Control system

The instrument is controlled by means of precision microprocessor based PID Controller with a control accuracy of  $\pm 2$ °C.

### Safety protection system

**Operator protection :** MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other fire hazards

## A ROUND

### Sizes available

Chamber Size (in mm)	Capacity (in liters)
300 x 300	24 liters
300 x 500	40 liters



## B RECTANGULAR

### Sizes available

Chamber Size (in inches)	Capacity (in liters)	No. of shelves
8"x8"x12"	12 liters	2
12"x12"x16"	37 liters	2
14"x14"x20"	63 liters	3
18"x18"x24"	125 liters	3

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# PRODUCT CATALOGUE

## SSI-107 BACTERIOLOGICAL INCUBATOR

### Construction

- Double walled cabinet with inner chamber made of stainless steel and outer made of mild steel / CRCA and powder coated.
- Removable and adjustable type shelf are provided which help avoid samples falling during door opening or handling. The shelves also accommodate samples of various sizes
- Glass window is provided in front door to inspect without opening the door.
- Air ventilations are provided in both side.

### Temperature Range

5°C above ambient to 100°C.

### Control system

The instrument is controlled by means of precision microprocessor based PID Controller with a control accuracy of  $\pm 1$  C. A safety imported liquid expansion thermostat is provided to protect the samples in case of any malfunction of PID Controller.

### Safety protection system

**Operator protection :** MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other fire hazards.

**Product/Sample protection :** Safety thermostat is provided in case of failure of microprocessor controller thereby protecting the samples from temperature overshoot.

### Sizes available

Chamber Size (in mm)	Chamber Size (in inches)	No. of shelves
300x300x300mm	12x12x12"	2
350x350x350mm	14x14x14"	2
400x400x400mm	16x16x16"	2
450x450x450mm	18x18x18"	2
600x450x450mm	24x18x18"	2
600x600x600mm	24x24x24"	2
900x600x450mm	36x24x18"	2
900x600x600mm	36x24x24"	2
900x900x900mm	36x36x36"	3



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# PRODUCT CATALOGUE

## SSI-109 B.O.D INCUBATOR

### Construction

- Double walled cabinet with inner chamber made of stainless steel and outer made of mild steel / CRCA and powder coated.
- Removable and adjustable type shelves are provided which help avoid samples falling during door opening or handling. The shelves also accommodate samples of various sizes.
- Polycarbonate door is provided for viewing samples without disturbing the chamber temperature.

### Temperature Range

5°C above ambient to 60°C

### Control system

The instrument is controlled by means of precision microprocessor based PID controller with a control accuracy of  $\pm 1^{\circ}\text{C}$

### Safety protection system

- Operation protection: MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other fire hazards.
- Controller protection: Voltage Stabilizer is provided to protect the controller damage from high voltage fluctuations (recommended but not included)

### Sizes available

Inner Chamber Dimension (mm)	Capacity (in cubic feet)	Volume (Litres)
455x410x610mm	4.1 cu.ft.	112liters
510x415x825mm	6.1 cu.ft.	171liters
565x565x865mm	10 cu.ft.	280liters
650x580x900mm	12 cu.ft.	336liters



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# PRODUCT CATALOGUE

## SSI-110 ORBITAL SHAKING INCUBATOR cum B.O.D INCUBATOR

### Construction

- Double walled cabinet with inner chamber made of stainless steel and outer made of mild steel / CRCA and powder coated.
- The gap of 75mm between two walls is filled with pure mineral wool.
- Acrylic front door minimizes the need to open the chamber.
- Rapid air circulation produces quick temperature equilibration and recovery when needed.
- This shaker Incubator works on 220 V.A.C. 50 hz. This is supplied with connecting cord. & plug.

### Temperature Range

5°C above ambient to 60°C

### Control system

- The temperature is controlled by microprocessor electronic digital temperature indicator cum controller from 5 °C above ambient to 60 °C +/- 0.5 °C .
- It has maximum orbital shaking speed up to 220 RPM with electronic digital timer having settable range upto 999 minutes.
- RPM Meter is also fitted in the control panel to check the speed of rotation.



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# PRODUCT CATALOGUE

## SSI-111 SEROLOGICAL WATER BATH

### Technical specifications

- Outer Body made of MS duly powder coated
- Inner Chamber made of SS 304
- Dimensions: L x W x D: 455 x 300 x 175 mm Capacity: 25 ltrs
- Temperature control from ambient to 110°C
- Temperature Accuracy: + 0.5°C
- With Microprocessor based PID controller
- Power: 220V, 50Hz.

### Sizes available

Inner Chamber Size (in mm)	Inner Chamber Size (in inches)	Capacity (in liters)
300x175x175mm	12x7x7"	12liters
300x250x175mm	12x10x7"	14liters
375x300x175mm	15x12x7"	18liters
455x300x175mm	18x12x7"	25liters
600x300x175mm	24x12x7"	32liters



## SSI-112 RECTANGULAR WATER BATH (Double Wall)

### Technical specifications

- Laboratory Water Bath : Rectangular type Double Walled
- Inner chamber made of Stainless Steel (304 grade).
- Outer wall made of M.S. sheet duly powder coated.
- Concentric rings can be removed to accommodate containers of various sizes.
- Temperature : Thermostatically Controlled
- Temp. range ambient to 100°C  $\pm 1^\circ\text{C}$
- Work on 220 /230 volt A.C.

### Sizes available

Inner Chamber Size (in mm)	No. of Holes	Capacity (in liters)
300x250x100mm	6 holes of 75 mm dia.	8 liters
355x405x100mm	12 holes of 75 mm dia.	15 liters



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# PRODUCT CATALOGUE

## SSI-114 ULTRASONIC WATER BATH

### Technical specifications

- Inner Tank & Outer body made of Stainless Steel
- Digital RED LED display Temperature with timer function
- Ceramic heaters provides improved heating effect
- Drainage and cool fan available
- Overheat protector, Cooling fan
- Moisture-proof PCB & User friendly
- High performance transducers



## SSI-115 WATER BATH PRECISION (Constant Temp. control)

### Technical specifications

- Double walled with inner chamber made of SS sheet (304 grade) and outer made of MS sheet duly epoxy powder coated.
- The gap between the walls is filled with special grade glass wool to avoid thermal losses.
- A glass window is provided on the front side for an easy inside view.
- A high speed stirrer with a motor of FHP is fitted to the unit for continuous stirring and thus maintaining a uniform temperature throughout.
- A drain plug is also fitted to the unit.
- The inner chamber fitted with immersion type heating element is covered with perforated removable diffuser tray.
- Temperature from ambient +5°C to 100°C, Accuracy  $\pm 0.5^\circ\text{C}$  is controlled by Digital Temperature Indicator cum controller.
- Digital Timer and Alarm will also be provided.
- Supplied complete with cord and plug to work on 220/230 volts AC supply.



### Sizes available

Inner Chamber Size (in mm)	No. of Holes	Capacity (in liters)
425x250x225mm	17x10x9"	24liters
450x375x375mm	18x15x15"	64liters
600x450x450mm	24x18x18"	122liters

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# PRODUCT CATALOGUE

## SSI-116 OIL BATH

### Technical specifications

- Double walled with inner chamber made of SS sheet (304 grade).
- Outer made of mild steel sheet duly finished in powder coating paint.
- Temp. range 50°C to 200°C  $\pm 1^\circ\text{C}$ .
- Temperature is controlled by a thermostat or digital temperature controller.
- Variable speed stirring arrangement is provided to work on 220 VAC

### Sizes available

Inner Chamber Size (in mm)	Inner Chamber Size (in inches)
250x250x250mm	10x10x10"
300x300x250mm	12x12x10"
350x350x250mm	14x14x10"

## SSI-117 PARAFFIN EMBEDDING WATER BATH

### Technical specifications

- Double walled with inner chamber made of SS sheet (304 grade).
- Outer made of mild steel sheet duly finished in powder coating paint.
- Temp. range ambient to 80°C  $\pm 1^\circ\text{C}$
- Temperature is controlled by a thermostat with cups and sleeves for glass tube.
- Work on 220 VAC

### Sizes available

Size
4 cups and 6 sleeves
6 Cups and 8 Sleeves
12 Cups and 8 Sleeves

## SSI-117 CONSTANT TEMPERATURE REFRIGERATION – LIQUID BATH

### Technical specifications

- Double walled glass window on the both opposite sides.
- Temp. range 5°C to 95°C  $\pm 5^\circ\text{C}$ .
- Temperature is controlled by digital temperature indicator cum controller instead of contact thermometer.
- Work on 220 VAC

### Sizes available

Chamber Size	Capacity
500x250x250mm	32 liters

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# PRODUCT CATALOGUE

## SSI-119 REFRIGERATED LIQUID BATH

### Technical specifications

- Temp. range 5°C to 90°C approx.
- Temperature is controlled by digital temperature indicator cum controller instead of contact thermometer.
- Work on 220 VAC

### Sizes available

Chamber Size	Capacity
450x300x300mm	42 liters

## SSI-120 WATER BATH INCUBATOR SHAKER (Metabolic shaking incubator)

### Technical specifications

- Double walled with inner chamber made of SS sheet (304 grade).
- Outer made of mild steel sheet duly finished in powder coating paint.
- Temp. range ambient to 80°C approx.
- Supplied with shaking tray and water bath cover.
- Work on 220 VAC

### Sizes available

Shaking tray Size	Capacity
275x275x150mm	12 liters
405x300x150mm	18 liters

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# PRODUCT CATALOGUE

## SSI-125 MUFFLE FURNACE (Laboratory Model)

### Construction

- Double walled cabinet made of mild steel and is powder coated
- High grade ceramic blanket is used in insulation for minimum loss of temperature
- HCl brand muffle used which is baked on 1500 deg
- Kanthal A1 wire element used for long life

### Temperature Range

5°C above ambient to 900°C

### Control system

The instrument is controlled by means of precision microprocessor based PID controller with a control accuracy of 1°C

### Safety protection system

**Operator Protection:** MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other five hazards.

### Sizes available

Inner Muffle Size (in mm)	Inner Muffle Size (in inches)
225x100x100mm	9x4x4"
250x125x125mm	10x5x5"
300x125x125mm	12x5x5"
300x150x150mm	12x6x6"
300x200x200mm	12x8x8"
350x175x175mm	14x7x5"
475x175x125mm	19x7x5"
450x225x225mm	18x9x9"



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# PRODUCT CATALOGUE

## SSI-126 MUFFLE FURNACE (Industrial Model)

### Construction

- Double walled cabinet made of mild steel and is powder coated
- High grade ceramic blanket is used in insulation for minimum lose of temperature
- HCl brand refractory used which is baked on 1500 deg
- Kanthal A1 wire element used for long life

### Temperature Range

50°C above ambient to 1200°C

### Control system

The instrument is controlled by means of precision microprocessor based PID controller with a control accuracy of 1°C

### Safety protection system

**Operator Protection:** MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other five hazards.

### Sizes available

Inner Muffle Size (in mm)	Inner Muffle Size (in inches)
225x100x100mm	9x4x4"
250x125x125mm	10x5x5"
300x150x150mm	12x6x6"
300x200x200mm	12x8x8"
450x225x225mm	18x9x9"



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## SSI-126A MUFFLE FURNACE (HIGH TEMPERATURE)

### Construction

- Double walled cabinet made of mild steel and is powder coated
- High grade ceramic blanket is used in insulation for minimum loss of temperature
- Chamber made of ceramic zirconium board
- Heavy duty Silicon carbide element for long life

### Temperature Range

50°C above ambient to 1400°C

Working temperature 1350°C

### Control system

The instrument is controlled by means of precision microprocessor based PID controller with a control accuracy of 1°C

### Safety protection system

**Operator Protection:** MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other five hazards.

### Sizes available

Inner Muffle Size (in mm)	Inner Muffle Size (in inches)
225x100x100mm	9x4x4"
250x125x125mm	10x5x5"
300x150x150mm	12x6x6"
300x200x200mm	12x8x8"



# PRODUCT CATALOGUE

## SSI-127 MAGNETIC STIRRER (with heating system)

### Technical specifications

- Compact stirring device utilizing a rotating magnetic field applied from below the container.
- The stirring is accomplished by a tafflon rotor place in the liquid to be stirred.
- Complete with pilot lamp, plug cord, continuously variable speed regulator.
- The body is made of MS duly finished with powder coating with a SS top which serves as a hot plate.
- Stirring and heating units are properly insulated With heating system
- Temperature is controlled by thermostat or Digital Temperature Indicator cum controller.
- Power: 220V AC, 50Hz, Single Phase
- Capacity: 2 Liters



## SSI-129 TISSUE HOMOGENISER

### Technical specifications

- Double walled with inner chamber made of SS sheet (304 grade).
- Heavy cast iron base with mild steel chrome plated upright rod with adjustable clamp
- to hold ½ HP motor with stainless steel stirring rod mounted with Teflon grinder.
- Complete with adjustable clamp to hold tissue homogenizing vessel of Borosilicate glass.
- Variable speed regulator.
- Work on 220 VAC

### Sizes available

Size
Homogenizing vessel 25 ml
Homogenizing vessel 50 ml
Homogenizing vessel 100 ml

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# PRODUCT CATALOGUE

## SSI-130 HEATING MANTLES

### Technical specifications

- Body fabricated out of single piece aluminum and logged with special mineral wool .
- Provided with ON/OFF switch, pilot lamp, energy control knob etc.
- Provided with joint less hand knitted glass yarn capable with standing high temperature upto 400° C.
- Work on 220 VAC

### Sizes available

Chamber Size	Wattage
50ml	60
100ml	60
250ml	150
500ml	200
1 liter	300
2 liter	450
3 liter	450
5 liter	450
10 liters	2x500
20 liters	4x600



## SSI-131 HOT PLATE

### Technical specifications

- Body fabricated out of single piece aluminum and logged with special mineral wool .
- Provided with ON/OFF switch, pilot lamp, energy control knob etc.
- Provided with joint less hand knitted glass yarn capable with standing high temperature upto 400° C.
- Work on 220 VAC

### Types of hot plate

- ROUND, SINGLE 20CM(8") DIA. Moulded top.
- ROUND, SINGLE 20CM(8") DIA. Moulded top.
- COIL TYPE, 20CM (8") DIA.



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# PRODUCT CATALOGUE

## SSI-131D HOT PLATE (Rectangular)

### Technical specifications

- Size : 300 x 450 mm (Approx.)
- Rectangular Hot Plate with Stainless Steel Top / Cast iron top
- Body: Made of thick mild steel sheet duly finished in powder coated paint
- Temperature Controlled by Energy Regulator
- Power : 220 Volts, Single Phase, 50 Hz.

### Sizes available

Chamber Size	Wattage
30X25cm	12x10"
40x25cm	16x10"
45x30cm	18x12"
60x45cm	24x18"



## SSI-143 HYDROTHERMAL AUTOCLAVE REACTOR

### Technical specifications

- Capacity: 25ml / 50ml / 100ml / 150ml / 200ml / 250ml
- Working Temperature:  $\leq 240^{\circ}\text{C}$
- Safe Temperature:  $\sim 200^{\circ}\text{C}$
- Working Pressure:  $\leq 4\text{MPa}$
- Heating and Cooling Rate:  $\leq 5^{\circ}\text{C}/\text{min}$
- Material: Shell made of high quality stainless steel
- Supplied with Teflon (PTFE) Shells



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# PRODUCT CATALOGUE

## SSI-144 AUTOCLAVE (Portable)

### Technical specifications

- Made of aluminum or stainless steel , having 63mm pressure guage , stop cock .
- Additional safety valve , steam release valve container and stand electrical.

### Sizes available

Size (dia. X height)	Capacity (in liters)
300x300mm	20 Liters
300x375mm	25 Liters
300x450mm	30 Liters
300x500mm	40 Liters



## SSI-145 AUTOCLAVE (Vertical) DOUBLE WALL

### Technical specifications

- A versatile, electrically heated sterilizer under saturated steam of Adjustable pressure of 12 to 15 psi.
- Double walled construction with boiler & steam jacket made of thick stainless steel and gap is filled with high grade glass wool to bring the temperature loss to a minimal level.
- The outer chamber is made out of thick Stainless steel.
- The lid is made of thick stainless steel plate (joint less) and can be sealed by a joint less neoprene rubber gasket by wing nuts through hinged bolts by engaging slotted lugs on rim of the cover.
- Provided with wingnut (brass Nut) dial pressure gauge, air/ steam release cock, water level Indicator, spring loaded safety valve adjustable to any required point from 12 psi to 15 psi.
- A double safety valve has also been provided along with inlet.
- Supplied complete in Stainless Steel and Stainless steel dressing bins.

### Sizes available

Size (dia. X height) in mm	Size (dia. X height) in inches	Capacity (in liters)	Load
250x450mm	10x18"	22 Liters	2 KW
300x500mm	12x20"	40 Liters	2 KW
350x550mm	14x22"	50 Liters	3 KW
400x600mm	16x24"	78 Liters	4 KW
450x600mm	18x24"	98 Liters	5 KW
550x750mm	22x30"	152 Liters	6 KW



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# PRODUCT CATALOGUE

## SSI-146 AUTOCLAVE (Vertical) TRIPLE WALLED

### Technical specifications

- A versatile, electrically heated sterilizer under saturated steam of Adjustable pressure of 12 to 15 psi.
- Triple wall construction i.e. working chamber, water chamber and outer jacket made from high grade stainless steel.
- Lid is made of stainless steel plate 304 and is tightened by radial locking system with paddle lifting.
- Having appropriate pressure gauge, stop cock, safety device, steam release valve, water inlet and outlet valves.
- Fitted with water level indicator
- Supplied complete in Stainless Steel and Stainless steel dressing bins.

### Sizes available

Size (dia. X height) in mm	Size (dia. X height) in inches	Capacity (in liters)	Load
250x450mm	10x18"	22 Liters	2 KW
300x500mm	12x20"	40 Liters	2 KW
350x550mm	14x22"	50 Liters	3 KW
400x600mm	16x24"	78 Liters	4 KW
450x600mm	18x24"	98 Liters	5 KW
550x750mm	22x30"	152 Liters	6 KW



## SSI-152 MORTUARY CHAMBER

### Construction

- Double walled cabinet with inner chamber made of stainless steel and outer made of mild steel / CRCA and powder coated
- Trays Travel On rollers fitted with ball bearings,
- Trays made of Stainless sheet to carry bodies are provided with handles.
- Temperature Range 2°C to 5°C controlled by digital temperature controller cum indicator.
- Work on 220 Volts A.C. Supply.

### Sizes available

Capacity	Temperature	Voltage stabilizer
Single Body	2°C to 5°C	2 KW
Two Bodies	2°C to 5°C	2 KW
Three Bodies	2°C to 5°C	3 KW
Four Bodies	2°C to 5°C	4 KW



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# PRODUCT CATALOGUE

## SSI-154 DEEP FREEZER

### Construction

- Double walled cabinet with inner chamber made of stainless steel and outer made of mild steel / CRCA and powder coated
- Inner chamber doesn't have screws or weld joints or crevices. This effectively prevents any type of contamination.
- Removable and adjustable type shelf support with tight fit shelves are provided which help avoid samples falling during door opening or handling. The shelves also accommodate samples of various sizes.

### Temperature Range

- A -20°C  
B -40°C

### Control system

The instrument is controlled by means of precision microprocessor based PID controller with a control accuracy of  $\pm 1^\circ\text{C}$

### Safety protection system

**Operator protection:** MCB (Master Circuit Breaker) is provided to protect the operator from any electrical shock, short circuit or any other fire hazards.

**Controller protection:** MOV is provided to protect the controller damage from high voltage fluctuations.

### Sizes available

Capacity (in cubic feet)	Dimension (in inches)
4 Cubic Feet	15"x20"x24"
6 Cubic Feet	20"x16"x34"
10 Cubic Feet	22"x22"x36"
12 Cubic Feet	26"x23"x36"



## SSI-155 UV INSPECTION CABINET

### Description

- **Ultra Violet Chamber** provides a safe and convenient means of sanitizing all small instruments, utensils, stethoscopes, vacuum suction glassware, make up sponges, bandages etc.
- Which cannot be done in the steam sterilizers
- These can be placed in the ultraviolet cabinet after cleaning them from an antiseptic solution.
- Disinfectant in which the sterilization is carried out by short-wave
- Ultra violet radiation generated by 8 watt germicidal tube.
- Built with safety device protects accidental radiation exposure.



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# PRODUCT CATALOGUE

## SSI-157 LAMINAR AIR FLOW CABINET

### Construction

- Available in SS 304, SS 316, MS, Melamine Laminated Wood materials.
- Horizontal / Vertical Laminar Airflow Benches allows operation in a sterile and particle free conditions. Due to continuous flushing of the working area by unidirectional and HEPA filtered airflow, the equipment assures a full product protection.

### Special Features

International standard MINIPLEAT HEPA filters, high efficient & washable primary filters, Magnahelic gauges for accurate DP reading, spring suspended DIDW blower assembly for high performance at low sound level, SS working surface with curved front for convenient working.

### Technical Specifications

Particle Retention	Air Velocity	Noise Level
0.3µ & above	90 FPM $\pm 20$	65 DB $\pm 5$

### Sizes available

Working Size	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'
Horizontal	SSI-157-H2	SSI-157-H3	SSI-157-H4	SSI-157-H6
Vertical	SSI-157-V2	SSI-157-V3	SSI-157-V4	SSI-157-V6



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# PRODUCT CATALOGUE

## SSI-158 BIOLOGICAL SAFETY CABINET

### Construction

- Available in SS 304, SS 316, MS Powder coated
- Designed to protect PRODUCT / PROCESS / PERSONNEL / ENVIRONMENT from contamination created while working with hazardous materials
- Cleanliness Level CLASS 2 as Particle Retention 0.3µ & above

### Special Features

- Double skin Powder coated MS/SS 304 construction
- Removable working table(OPTIONAL)
- Waste liquid collection tray
- UV resistant PC front door
- UV on/off integrated with door close/open(OPTIONAL)
- Hour meter for Ultra violet Lamp(OPTIONAL)
- Microprocessor controller to control and display of all operation (OPTIONAL)

### Class II

#### Recommended for Product, Personnel & Environmental protection

In Class II - Type B1 Cabinets 30% of air re-circulated within the cabinet and the remainder exhausted out through air incinerator for environmental protection. Velocity of airflow to the work zone creates an ultra-clean environment for product protection.

Maintains a minimum measured average inflow velocity of 75 fpm through the work area access opening. The face velocity at the access opening varies between 80 fpm and 100 fpm. Have HEPA filtered down flow air from a common plenum.

Air Balancing : 30% re-circulation and 70% exhaust.

### Sizes available

Working Size (ft)	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	6' x 2' x 2'
Model	SSI-158-2	SSI-158-3	SSI-158-4	SSI-158-6



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# PRODUCT CATALOGUE

## SSI-159 FUME HOOD

### Construction

- Available in Wood, MS powder coated and Stainless Steel.
- Clean air Fume exhaust hoods used to drive-out hazardous chemical fumes, odors and gases generated during the laboratory process work.

### Special Features

- Work surface made of polished granite, SS 304 or glazed ceramic tiles
- Counter balanced front sash with toughed glass view panels
- Available with wide range of accessories such as sink, water, inlet & outlet, gas/air, power points, optional FLP fittings, under bench cup-board etc.

### Sizes available

Working Size (ft)	2' x 2' x 2'	3' x 2' x 2'	4' x 2' x 2'	5' x 2½' x 2½'
Model	SSI-159-2	SSI-159-3	SSI-159-4	SSI-159-5



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