



JAI MATA DI



CATALOGUE

**SHRI DURGA SCIENTIFIC INDUSTRIES**

**SDSI**

**“Your laborotry is Our Business”**

**An ISO 9001:2008 certified company**

# Company Profile

**SHRI DURGA SCIENTIFIC INDUSTRIES** was started in 2000. Today, we are a global leader in the "today's world of science" of scientific lab equipments.

We manufacture and sales best lab equipments to the all indian companies. We also provides a range of scientific & laboratory heating & cooling apparatus made from high quality, raw material ranging from brass (entruted), stainless steel, aluminium, acrylic, rubber, wooden.

Our dedication is to provide best quality and customer service is parallel, moreover we strive to improve our product quality through continuously search market.

We hope that people like you will quality Products made by us and we are committed to providing the best quality products.

With its own manufacturing facilities, professional management a commitment to quality & customer satisfaction and almost two decades of experience, we are fully capable of meeting the demands & requirements of customers all over the world.

Your well wisher

Aman kumar (M.D.)



**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Test and Study Chamber

These chambers are designed for advanced studies at controlled environmental test conditions for various research applications. These state of the art equipments use the latest cutting edge technology to ensure most reliable and accurate test studies

## Plant Growth Chamber(SDS0001)

These chambers are most useful for carrying out various experiments to study growth patterns of plants and animals under controlled environmental conditions. The outer wall is made of M. S. Sheet duly painted and inner wall made up of heavy gauge aluminum or S. S. Sheet. The gap between inner and outer wall is filled with high-grade glass wool to avoid thermal loss. Besides outer double walled door, a full view inner glass door allows inspection of test samples without disturbing the inner chamber conditions. Unit is also supplied with three adjustable perforated shelves. Temperature range from 5°C to 50°C  $\pm$  1°C is controlled by dual setting digital temperature indicator cum controller, so as to set two different temperatures for Day and Night



## Environmental Test Chamber(SDS0002)

These are test chambers to study different growth pattern under controlled environmental conditions. Heavy duty robust construction with inner chamber made of stainless steel and outer made of M.S. sheet duly enamel painted. Glass window allows inspection of samples without disturbing the inner chamber temperature. Four stainless steel adjustable shelves are provided with the unit. Air circulation fan is also fitted in the unit for temperature uniformity. Temperature range from 10°C to 60°C  $\pm$  1°C is controlled by dual setting digital temperature Indicator cum controller and humidity is controlled by imported humidistat from ambient to 95%  $\pm$  3%RH. It is also provided with exterior illumination achieved by fluorescent tube and 0-24 cyclic timer. Work on 220-230 volts AC Supply



**SDSi**  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com), CONTACT: 9466229225

# Test and Study Chamber

The Versatile Temperature control modules are suitable for advanced biochemical studies as well for growth studies for various seeds. These are multipurpose temperature and environment control models. BOD incubator can be used for varied day to day laboratory requirements whereas Seed Germinator is available in very handy for basic & advanced studies on various seeds

## Seed Germinator ( Single/ Double Chamber)(SDS0003)

They are suitable for conducting various experiments on a variety of seeds under different conditions of temperature and humidity. Atmospheric conditions are created within the chamber to perform different experiments without going onto the field. The double walled unit has inner chamber made up to anodized aluminum or S.S. and outer chamber of M.S. sheet duly degreased and pre treated with primers for rust proofing and painted with attractive stove enamel or powder coated. Temperature from 5° to 60°C ±1°C is controlled by solid-state digital temperature controller cum indicator. Humidity (adjustable) is created by a S.S. water reservoir fitted at the bottom to provide 90% to 95% ± 3% RH. Supplied complete with 14/28 adjustable perforated trays. Standard chamber size: 555 x 910 x 605 mm (single/dual) or as per customer's requirements.



## BOD Incubator(SDS0004)

They are most versatile for Biochemical Oxygen Demand determinations. Castor wheel mounted cabinet is double walled with inner chamber of aluminum or S.S. and outer wall made up of M.S. Sheet duly powder coated. The unit is provided with optimum thermal glass wool insulation. Triple walled back of unit is fitted with two air circulation fans for maintaining temperature uniformly throughout the chamber. Full view inner Perspex door permits inspection of specimens, without disturbing the chamber temperature. Lock and Key arrangement is provided in the double walled outer door. Unit is also fitted with door operated illumination lamp inside the chamber. Refrigeration unit is formed by ISI marked compressor/cooling kit. The front panel is provided with separate indicator lamps for main, heating and incoming voltage. Supplied

complete with 3 shelves, temperature from 2 °C to 60 °C is controlled digitally, with an accuracy of 0.5 °C. Available standard capacity 6,10,12,15 Cu Ft respectively.



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**  
(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

# Laboratory Cooling Machines

These are special purpose sophisticated lab cooling equipments for basic and advanced level laboratories. Ice Flaker machine produces desired flakes in confines of the laboratory as and when required, whereas the Lyophilizer helps in preserving the vital samples

## Ice Flaker Machine(SDS0005)

These are unique high end ice flakes producing equipments for various biotech and general applications. A unique machine that produces smooth and hygienic ice flakes. It utilizes running tap water and starts converting it into flakes (ice) within 15 min of the operations. The air cooled self contained environmental friendly units have outer and inner construction of SS-304 grade stainless steel, having unique features of high storage bin, auto cut off facility and gear motor protection devices. Our units are most economical and have a production capacity of 50 kg/day and 100 Kg/Day. However custom capacities can be built on request.



## Lyophilizer (Freeze Dryer)(SDS0006)

This is excellent equipment for all laboratories intending to preserve their samples without changing its physical and chemical properties. Housed in a super structure steel frame with removable side panels mounted on castor wheels. Provided with copper coil (Bounded outside), Perspex see through lid, gasket and control instruments i.e. Digital Solid State Temperature Indicator for measurement of Temp and Electronic Vacuum Indicator. The unit is also supplied with hermetically sealed compressor along with 100 liters / min direct motor drive rotary vane vacuum pump of double storage with Air ballast having ultimate vacuum of  $1 \times 10^{-4}$  torr pump head. The Temperature range is adjustable to (-)  $40^{\circ}\text{C}$  at ambient temperature  $20^{\circ}\text{C}$ . Condenser Trap: All non-magnetic S.S. fabricated, argon welded, dished bottom for complete effluent removal. Refrigeration coils made of copper bonded to outside of condenser heavily insulated. Temperature is adjustable to and is maintained automatically. Vacuum Drum has 12 port manifold (Main drying chamber) made of S. S. non magnetic grade with perspex top cover. Capacity: Standard: 3 & 5 liters /Hour.



**SDSI**  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Hospital Equipments

These are special category cooling equipments that are economical and environmental friendly as per the international standards. Blood bank refrigerators are mandatory to secure vital supply of blood & its derivatives whereas mortuary chambers are very critical for all morgues to prevent the decomposition of cadavers

## Blood Bank Refrigerator(SDS0007)

These are the primary requirements of every blood bank and hospital for preserving and securing the vital supply of blood, plasma, vaccines and other blood derivatives. They are mounted on a sturdy angle frame with inner chamber made up of S.S. and outer of M.S. duly enamel painted. The temperature is maintained within 4 deg to 6 deg for storing blood bottles or blood bags. Temperature is controlled by solid state digital indicator-cum-controller and triggers the audio visual alarm in the event of fluctuation exceeding permitted tolerance. Unit is also fitted with door operated alarm and power supply failure alarm, as a safety device. Drawers are provided for holding bags. Standard capacity: 50/110/200/250/360/400 bags and custom capacity models can also be supplied on the customer's request



## Mortuary Chambers(SDS0008)

These are the basic requirement of all morgues and hospitals for preserving cadavers. They are double-walled units with steel panels for outer surface and stainless steel inner chamber with insulation in between, front opening hinged insulated doors lined with magnetic gasket, handle and lock arrangement with keys in duplicate for individual cadaver, travel on rollers fitted with ball bearings for easy movement. Exterior surface is chemically treated, coated and duly finished with hammer tone paint. To avoid any moving part inside the cabinet for easier maintenance and cleaning viewpoint, refrigeration unit is kept outside the chamber and fixed at near top. Temperature of -2°C to 8°C or -15°C to 10°C is maintained by hermetically sealed environment friendly cooling unit and is controlled through digital indicator. Standard Models: one/two/three/four/six/nine bodies and custom models can be fabricated as per customer's request



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**  
(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# General Lab Equipments

Humidity and temperature controlled cabinet have a varied usage from basic and advanced study laboratories to industrial R & D applications. Our deep freezers are used in every basic level laboratory. Both the equipments use the most advance technology to ensure a long trouble free operation as well as efficiency

## Deep Freezer Low Temperature Cabinet(SDS0009)

General Purpose Laboratory freezers are double walled with inner chamber made of S.S. and outer of thick PCRC sheet duly enamel painted. Temperature range from ambient to -20°C / -40°C/-86°C is achieved by hermetically sealed compressor. The gap between the inner and outer wall is filled with high grade mineral glass wool to avoid thermal loss. Body is mounted on a sturdy angle iron frame along with castor wheels. Unit is fitted with solid state digital temperature indicator-cum- controller. Vertical models are also supplied with three stainless steel storing shelves. Standard capacity: 4 / 6 / 10 / 12 / 15 cu ft.



## Humidity and Temperature Control Cabinet(SDS0010)

These test chambers are suitable for carrying out different quality control tests under controlled conditions of temperature and humidity. Inner chamber consists of anodized aluminum or S.S. and outer wall of M.S. Sheet duly painted. The gap of 75 mm between the outer and inner wall is filled with special grade glass wool to prevent thermal losses. A self-cooled air circulation fan is fitted to maintain uniform temperature and humidity conditions throughout the chamber. Temp. range from 5°C above ambient to 60°C is controlled by electronic digital controller thermostat with an accuracy of  $\pm 1^\circ\text{C}$ . Humidity is controlled through an imported HUMIDISTAT, thus controlling the desired set humidity range from atmospheric humidity to 95 %  $\pm 3\%$  RH. Capacity 147 ltr/235 ltr/335 ltr are also available



**SDSI**  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Specific Application Equipments

These specific application equipments are used for various research based and general laboratory applications. Orbital shaking Incubator is indispensable for all biotechnology & microbiology labs, whereas Refrigerated water bath finds utility in every basic & advanced lab

## Orbital Shaking Incubator(SDS0011)

The outer chamber is made up of M.S. sheet duly painted and inner chamber of thick S.S. Sheet. The gap between two walls is filled with high grade glass wool to avoid thermal loss. The Plexiglas window makes it possible to inspect the specimen without disturbing the inner temperature. The lid of chest type unit is fitted with fluorescent tubes of 60 cm length, on the inner side. The unit has a temperature range from 5°C above ambient to 60°C and is controlled with electronic solid state digital temperature controller cum indicator, with an accuracy of  $\pm 0.5^\circ\text{C}$ . Air circulation fan is fitted to maintain temperature uniformly throughout the chamber. Cyclic illumination conditions are controlled by an automatic timer (0- 24 hrs) fitted to the unit. The system is also equipped with digital RPM indicator and controller. The shaker

has variable speed and platform containing 16 flasks of 500 ml or 40 flasks of 100 ml or 34 flasks of 150 ml capacity is supplied with the unit as standard accessory



## Refrigerated Water Bath (Low Temperature)(SDS0012)

They are special purpose baths for specific laboratory applications. Mounted on a sturdy angle iron frame with inner chamber made of thick S.S and outer of mild steel duly enamel painted. The gap between the inner and outer wall is filled with high grade glass wool in order to prevent any loss of temperature. The units are fitted with ISI marked CFC free compressor for effective cooling. Heating is brought about by immersion type heating elements. Temperature range is from 5°C to 90°C controlled by digital temperature

controller with an accuracy of  $\pm 0.5^\circ\text{C}$ . A high-speed stirrer is fitted to maintain temperature uniformity.

The lid of bath is insulated, double walled fixed with hinges and is provided with locking arrangements along with capacity of 28/50/75ltrs (standard).



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com), CONTACT: 9466229225



# Laboratory Heating Equipments

Hot air oven is a must for every laboratory, used for dry heating and drying application. Incubators are must for all bacteriological applications. Both these equipments are manufactured as per latest international quality norms to ensure long trouble free service as well as to economize the power consumption

## Oven Universal (Mettmert Type)(SDS0013)

These are general purpose heating equipments, a must for every laboratory and research labs. They are sturdy double walled units with outer chamber made of M.S. sheet pre treated with primers and rust proofing painted with attractive stove enamel or powder coated whereas inner chamber made up of anodized aluminum or S.S. sheet. The gap between inner and outer chamber is filled with high-grade glass wool to avoid thermal losses. Beaded heating elements made of kanthal A1 wire are placed in ribs, at bottom and sides. Inner chamber is provided with ribs for adjusting perforated shelves to convenient height. Temperature is further controlled by electronic digital controller/hydraulic thermostat from 5°C above ambient to 250°C ± 1°C. Air ventilators are also provided on the sides of the unit. Capacity(Standard): 28/45/95/125/224/252/336 ltrs



## Incubator Shaker(SDS0014)

Our incubator shakers are double walled convection heated and cooled units. Outer body of our incubator shakers are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our incubator shakers. The unit is provided with two doors , the inner door is made of thick plexi glass/float glass, to view the specimens without disturbing the temperature of the chamber. This door is provided with magnetic door closer. The outer door is made of mild steel sheet lined with stainless steel from inside.



**SDSI**  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA, AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Heat Treatment Equipments

These are general heat treatment equipments which can be used for lab applications as well as special customized programmed heat treatments. Vacuum ovens are ideally suited to study changes in the properties of a mass when heated under vacuum whereas muffle furnace is used for routine high temperature heat treatments.

## Vacuum Oven (Round/ Rectangular)(SDS0015)

They are ideal heat treatment equipment where a mass has to be heated at a temperature under vacuum.

These are double walled cylindrical/rectangular units with outer made of M.S. sheet duly enamel painted and Inner made up of heavy gauge S.S. Sheet. Gap between the two walls is duly filled with high-grade glass wool to avoid thermal loss. Temperature range from 50°C to 150°C is controlled by hydraulic thermostat/ electronic controller with an accuracy of  $\pm 1^\circ\text{C}$  and it is also capable of withstanding a high vacuum. They are provided with vacuum gauge, see through transparent window of toughened glass and one shelf. These are available in various standard and customized sizes and capacities ranging from 25 ltrs to 200 ltrs



## Muffle Furnace – Rectangular(SDS0016)

These are ideal equipments for various laboratory and industrial applications involving high heat treatment of standard mass. Light weight with ceramic fiber wool insulation (instead of brick insulation). The outer casing is made of double walled thick P.C.R.C. sheet, reattached with thick perforated sheet on the bottom portion, painted with attractive stove enamel. Heating elements are made of Kanthal A-1/Silicon carbide/ Ammonium Molybdenum wire and backed by high temperature mineral insulation, which avoids loss of energy. Temperature control unit consists of energy regulator or electronic temperature controller, fitted in front of furnace with two pilot lamps. Maximum temperature is 950°C/1100°C/1400°C/1600°C. Available in various standard and customized sizes and capacities.



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Small Heating Devices

These are general purpose heating devices mandatory in all general, industrial, testing and research based laboratories. These are small equipments but very critical to perform all the basic and advanced level experiments of any given laboratory

## Magnetic Stirrers(SDS0017)

These are used for continuous stirring and heating of viscous liquids. It is a compact stirring utilizing a rotating magnetic field (created by a permanent magnet), which induces variable speed stirring action. Stirring is accomplished by means of small Teflon rotor, which when placed in the liquid to be stirred is capable of rotation by magnetic field applied from below the container. Cap: 1/2/5/10 ltrs.



## Hot Plate (Round/ Rectangular)(SDS0018)

The equipment is used for routine uniform heating applications in the laboratory. The body is made of P.C.R.C. sheet duly painted with attractive stove enamel. The top cost iron heating plate is round/rectangular, with heating elements of 1.5 KW-6.0KW rating. Temperature is controlled by energy regulator up to 350°C. Available in different standard and custom sizes.



## Heating Mantle(SDS0019)

They are most suitable for general scientific labs, for heating inflammable liquids. Electric heating net is hand knitted from glass yarn (without any joint) for durability & stands. The temperature up to 350°C, body of mantle is made of spun one piece from non rusting aluminum (duly stove/powder coated) Mantles are also logged with special grade mineral wool. The Capacity available is from 250 ml to 20 liters.



**SDSI**  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**  
(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Extraction Equipments

These extraction and digestion units are ideally used for extraction and distillation of various solvent in various laboratory applications. These equipments are designed to perform at maximum efficiency utilizing minimum power.

## Soxhlet Extraction Unit(SDS0020)

These are ideal heater for the extractors of Soxhlet and other units. This apparatus is suitable to heat soxhlet flasks of 50-500 ml. It consists of M.S. sheet housing, two vertical and two horizontal rods with adopters and screws to hold the flasks. To work on 220/230 volts A.C. supply. The Unit is of 3/6 test Mantle / Heater Type and work on 220/230 volts 50 Hz AC supply.



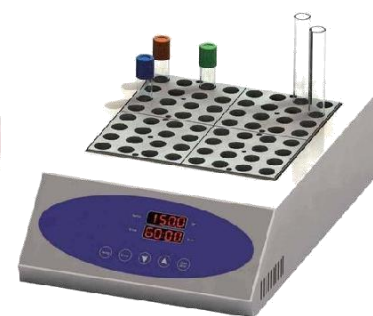
## Kjeldahl Distillation & Digestion Unit(SDS0021)

This unique combined unit is supplied with two sets of Mantle type heating platforms, one for distillation and one for digestion. The unit is also provided with condenser rack, lead fume duct covered by S.S. Frame and pair of hangers. Complete set is supplied on a M.S. Tubular stand. Both units are supplied with individual energy regulators. The Unit is of 3/6 test Mantle/ Heater Type and work on 220/ 230 volts A.C. supply.



## Kjeldahl Dry Bath (Tube Heating)(SDS0022)

The equipment has a casted top with room for heating 40 digestion tubes of 75 ml each. Heating elements are speared uniformly so that the entire casted top and thus the tubes attain the same temperature throughout. Temperature is controlled by energy regulators. The gap between the elements and outer M.S. painted wall is filled with high-grade mineral wool to avoid thermal loss. To work on 220/ 230 volts A.C supply



**SDSI**  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Clean Room Equipments

These are ideal equipments for all pharmaceutical / biotechnology / genetic engineering pathology and microbiology labs. Our equipments are designed as per the latest international standards and confirm to US federal standards 209B (BS 5295) along with GMP norms

## Laminar Air Flow Cabinets Or Stations:-

Our horizontal Laminar air flows are designed so as to meet the requirements of US Federal Standard 209 B (BS 5295) providing particle free air to meet Class 100 (CLASS conditions). The cabinets are fabricated out of thick board duly sun mica clad/ stainless steel/ Mild steel sheet. Interior surfaces are epoxy painted for its longer life. The worktable is made of stainless steel sheet and side panels are made out of thick transparent Plexiglas duly framed. The unit is fitted with pre-filter and is made to pass through highly effective HEPA (High Efficiency Particulate Air) filters having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, thus retaining all air-borne particles of size 0.3 micron and larger. Using a dynamic machine, the blower and motor assembly is statically and dynamically balanced ISI marked motor of 1/5 H.P. capacity operates with minimum noise level. The working area is illuminated by fluorescent lights fitted to the unit. Height of the working table provides comfortable "SIT DOWN" working position for the operator. Supplied complete with manometer, UV light fluorescent light. Standard sizes: 2' / 3' / 4' / 6' / 8' x 2' x 2'.



## Vertical Laminar Flow Cabinet(SDS0024)

Our vertical Laminar air flows are designed so as to meet the requirements of US Federal Standard 209 B (BS 5295) providing particle free air to meet Class 100 (Class conditions). The cabinets are fabricated out of thick board duly sun mica clad/ stainless steel/ Mild steel sheet. Interior surfaces are epoxy painted for its longer life. The worktable is made of stainless steel sheet and side panels are made out of thick transparent Plexiglas duly framed. The unit is fitted with pre-filter and is made to pass through highly effective HEPA (High Efficiency Particulate Air) filters having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, thus retaining all air borne particles of size 0.3 micron and larger. Using a dynamic machine, the blower and motor assembly is statistically and dynamically balanced and ISI marked motor of 1/5 H.P. capacity operates with minimum noise level. The working area is illuminated by fluorescent lights fitted to the unit. Height of the working table provides comfortable "SIT DOWN" working position for the operator. Supplied complete with manometer, UV light fluorescent light. Standard sizes: 2' / 3' / 4' / 6' / 8' x 2' x 2'.



**SDSI**  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Chemical Bench and Biosafe Unit

These are ideal clean room equipments having varied applications in general and specialized research & industrial labs. Chemical benches are ideal for labs working with toxic chemicals, whereas our bio-safe enclosures are recommended where deadly pathogens and viruses are handled

## Fume Hood(SDS0025)

Our chemical fume hoods are fabricated out of thick wooden board these are designed so as to throw-out all toxic /harmful / vapors, thus protecting costly instruments and the person working in the lab. Outer is finished with sun mica and inner epoxy painted. Working table top is fitted with acid / alkali resistant tiles and a small washbasin with connections provide for inlet and outlet of water. The front door moves vertically up and down with concealed counter balanced weight. The unit is fitted with florescent light and a gas cock for gas / air supply. The space under the work station is provided with storage compartments for storage purpose. The front facing panel is fitted with 15/5 Amp socket with switches for exhaust system and fluorescent light. Standard sizes 4'5'/6'/7/8' x 3' x 3'.



## BioSafety Cabinet(SDS0026)

The cabinets are fabricated out of thick board duly sun mica clad. Interior surfaces are epoxy painted for its longer life. The worktable is made of heavy gauge S.S. sheet and is fitted with U.V Germicidal Light, static pressure manometer, exhaust System (suitable for 6 feet duct) and virus burn out unit. Side panels are made out of thick transparent Plexiglas duly framed. The unit is fitted with pre filter and HEPA Filter. Air is drawn through pre filter and is made to pass through highly effective HEPA (High Efficiency Particulate Air) filters having efficiency retaining all air-borne particles of size 0.3 microns and larger. Using a dynamic balancing machine, the blower and motor assembly is statically and dynamically balanced. Motor of 1/4 H.P. capacity operates with minimum noise level. The working area is illuminated by fluorescent lighting fitted to the unit. The height of the work table provides a comfortable "SIT DOWN" working position for the operator



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Clean Room Special Equipments

Air shower helps in solving decontamination problems of personnel entering the clean rooms, whereas sterile garment cabinet is used to provide sterilized garment for clean room. These are special purpose clean room equipments primarily used for pharmaceuticals and manufacturing applications

## Air Shower(SDS0027)

Completely self-contained pre-wired, fully equipped personnel air shower helps in solving decontamination problems of personnel entering into Clean Rooms. "Wheel-in, plug-in and walk in". The operator stands in a closed cubicle, subjected to high velocity H.E.P.A. filtered air flows of between 20-30 m/sec, a force that ensures efficient scrubbing action to the clean room garments to remove particulate matter. The design of the jets is such that the scavenging air reaches the body of the operator with sufficient force to disturb particles lying on the surface of the garment. Unwanted particles are "skidded off" and not driven more firmly into the clothing's texture. Once airborne, the particles are carried away by the down draught. The doors of the air shower are electrically interlocked to make it impossible to pass through into the clean room without undergoing the cleaning cycle. Standard two door walk-through showers, as well as multiple (3 doors or more) door units tunnel air showers and product scavenging showers, are supplied subject to specification requirements.



## Glove Box Normal(SDS0028)

These equipments are used for the storage, handling, and processing hazardous and toxic substances. They are designed specifically for production and large scale research applications. Moreover they have seamless, one piece molded polyethylene shells that withstand chemicals and are easy to clean.



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com), CONTACT: 9466229225

# Special Application Clean Room Equipments

These special application clean room equipments are utilized in advanced level clean rooms or storage rooms.

Pass boxes are essential for the transfer of work items in and out of the clean room whereas dehumidifier keep the ph of the clean rooms maintained

## Pass Box(SDS0029)

Our pass boxes are essential for the transfer of work item in and out of the clean room in order to minimize airborne particles brought about by human traffic. Our reliable mechanisms prevent both pass-through doors from opening at the same time, thereby preventing contamination. Continuous-seam interiors create a hermetically sealed chamber with no cracks or crevices, its ergonomic, chrome plated lift latches eliminate rotary strain on hinges. Moreover it has UV germicidal light for extra protection. The door at two sides of pass box, allows only one door to be open at a time magnetic interlocking type doors of pass box. Standard sizes:15"x12"x12" to 39"x36"x36".



## Dehumidifier(SDS0030)

Dehumidifiers are water-condensing type, based on "Refrigeration Cycle" for avoiding use of expensive chemicals required for desiccant type models. The unit is self standing and is mounted on a sturdy angle iron frame, fitted with caster wheels. Dehumidifier removes excess moisture from the atmosphere and is fitted with hermetically sealed compressor. Heat exchanger and water-condensed coils are made of copper. Water collection tank is provided below the unit to collect condensate water. Humidity is controlled by automatic humidistat incorporated in the unit, up to 30%  $\pm$  3% RH, depending upon the ambient conditions.



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225



# Sterilizations Equipments

These equipments are used for all general research and medical laboratories and are available in different capacities and sizes. Our steam sterilizers as designed for maximum safety, having three way protections along with a special economizing feature.

## Cylindrical Steam Sterilizer (Horizontal)(SDS0031)

The inner chamber, steam jacket, outer chamber and boiler are made of heavy gauge stainless steel with leak proof argon arc welding. The radial locking lid is made of thick S.S.plate. All units are hydraulically tested up to 40 psi. The space between the outer chamber and steam jacket is filled with asbestos sheet or glass wool to minimize thermal losses. Steam boiler is fitted with water level indicator, pressure gauge, low water cutoff device and automatic pressure control device. They are fitted with a dial thermometer to indicate inner temperature and vacuum breaker in case of formation of vacuum due to steam condensation. Two separate valves are provided for evacuating steam from inner chamber and jackets as and when desired. They are also available in different standard and custom sizes.



## Rectangular Steam Sterilizer(Horizontal)(SDS0032)

Inner Chamber is made up of thick stainless steel of 304 / 316 qualities and jacket is made rolled stainless steel. Single door is made of rolled steel lined with S.S. sheet and has radial locking system. All units are hydraulically tested up to 40 psi. The space between outer cover made of thick rolled steel sheet and the steam jacket is filled with mineral wool. Boiler is made of thick S.S. sheet and is located under the sterilizer. It is fitted with water level indicator, safety valve, pressure gauge, and water inlet and drain valves. Unit is also fitted with low-water cut-off device and automatic pressure control device. Two separate valves are provided for evacuating steam from inner chamber and jacket, as and when desired. Th sterilization cycle is controlled through multiport valve or three way valve. The unit has dithermometer and automatic vacuum breaker. They are available in different standard custom sizes and works on 440volts, 3 phase, and A.C. supply



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Micro-Processor Based Autoclave

These are very handy sterilization tools, ideal for all hospitals & labs where protection from bacteria and pathogens are required. Our units are safe & very energy efficient. They are available in various standard & customized sizes

## Vertical Autoclave(SDS0033)

It is used for sterilization under saturated steam pressure at any selected point between 5 and 0 p.s.i.

These are double walled units with inner chamber (Boiler) made up of 18 S.W.G. stainless steel and outer chamber made of SS sheet covered with S.S. lid along with radial locking system. These are fitted with neoprene rubber gasket, and all its systems are hydraulically tested. All autoclaves are fitted with standard accessories such as water level indicator, pressure gauge, steam release cock, spring loaded safety valve and heating element Supplied complete with S.S. basket and vacuum breaker device, cord and plug, to work in 220/230 volts A.C. Supply. Capacity: 22,40,50, 78,98,187 liter.



## Front Loading Autoclave(SDS0034)

This is a fully automatic front loading autoclave with dry cycle. They have electronic circuit with programmable integrated circuit chip along with digital display of all the operations in sequence and timer & temperature. Moreover they have front control panel that has a touch type key switches and LEDs to indicate the operation going inside the autoclave. The autoclave is programmed to perform all necessary operations required in sterilization. With additional solenoids valve provided to shut out the air from the chamber at the initial stage. The internal chamber has two trays made of stainless steel having size 12" x 8" and sealing ring made of silicon rubber. Sterilization with dry cycle completes with single touching of start



**SDSi**  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Laboratory Distillation Plant

Our lab distillation Plants are used to extract A-1 lab grade distilled water for various applications. We manufacture three types of distillation units to suits the individual requirement of the quality of output water desired for specific applications

## Quartz Distillation Apparatus(SDS0035)

The coil type heaters of high class nichrome wire are embedded in electronic grade transp fused quartz tubes, and are placed in corning boiler. The unit is supplied with metallic stand, fittings, corning condenser and automatic cut-off device for safety of heaters in case water stopped.

(With Quartz Boiler and Corning Condenser and With Quartz Boiler and Quartz Condensor)

Capacity	0.5 ltr / hr	1.0 ltr / hr	2.0 ltr / hr
	3.0 ltr / hr	4.0 ltr / hr	5.0 ltr / hr



## Double Distillation Apparatus All Glass (Electrically Heated)(SDS0036)

The assembly consists of a corning glass flask with embedded heating elements used in spiral type glass coil internally at bottom. A double wall coiled condenser has standard ground glass joints. Complete with lass fitting metallic stand, rings clamps and electrical fittings. The unit supplied is as per NPLpatentdesien.

To work on 220/230 volts A.C. supply. (With Quartz Boiler and Borosilicate Condenser and with Quartz Boiler and Quartz Condenser) Capacity 3 ltr / hr 5 ltr / hr 10 ltr / hr Available in single and double stage

Our distillations plants are ideally used in various laboratories for procuring A-1 grade distilled water for various laboratory applications. The output water is absolutely pyrogen free and ideal for practically all the laboratory application



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Water Test Equipments

These are some of our equipments of water testing range pH meter is primarily used to ascertain the pH value of the liquid to judge whether the liquid is basic or acidic. Conductivity meter measures the conductivity of the given liquid by virtue of the presence of total dissolved solids in a liquid

## [PH Meter Digital\(SDS0037\)](#)

They are most useful for pH and redox potential measurements, supplied with slope correction facility. Display: 4 digits Range: pH = 0 to 14 pH continuous, mV= 0 +1999mV Resolution: pH = 0.01pH, mV= 1mV Accuracy:

pH= 0.01pH (Relative), mV = 0.1%+ 1digit

Temp. Compensation: 0 - 100°C (Manual)/ (Automatic)

These units are also supplied with pH electrode & gold plated BNC connector, two plastic bottles, electrode

stand and instruction manual and works on 220/230 VA.C.



## [Digital Nephelometer\(SDS0038\)](#)

Display 4 digits LED, Range 0 to 200 micromhos, 2millimhos, 20millimhos, 200 millimhos & 1000 millimhos cell constant compensation from 0.01 to 2.0 readable digital display automatic temp. Coefficient on applied compensation 0 to 70°C su conductivity cell, electrode with stand, instruction manual and dust cover supplied complete with electrode and standard solutions.

0 to 100 NTU

±3%FS ±1digit Accuracy

0.1 NTU Resolution

6V, 0.3 Amp. Tungston Lamp



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com), CONTACT: 9466229225

# Laboratory Hot Equipments (Advanced)

Both these equipments are used for advance level testing of water samples. The kit is primarily used to ascertain various physical parameters of the sample, whereas flame photometer is used as a photometer

## Laboratory Drying Oven (SDSI-01Z-DO):-

Laboratory drying ovens are specialized devices used in laboratories for the purpose of removing moisture from samples, maintaining temperature uniformity, and ensuring sample integrity.

Laboratory drying ovens are available in four sizes, ranging from 8 to 36 cubic feet, specially made to accommodate various laboratory requirements. These ovens are carefully designed to handle a multitude of applications, such as baking, drying, preheating, or any other task that requires a reliable source of air heated up to 850°F.



## Laboratory Incubators(SDSI-01A-LI):-

A laboratory incubator provides a temperature-controlled environment to support the growth of microbiological cultures. Typical incubators are insulated boxes with an adjustable heater, going up to 60°C to 65°C (140°F to 149°F), though some can go slightly higher (generally to no more than 100°C).

Esco Isotherm® laboratory incubator is built with reliable performance and standards. Ergonomic, intuitive interfaces, microprocessor PID controls with programming options, 4-zone heated air jacket, precisely tuned and tested ventilation and insulation package, all supported by Esco's solutions-based sales and service representatives worldwide.



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Spectrophotometers

These are specialized for highly reliable research and analysis of equipments used for advanced studies and determination of absorbance transmission and concentration of liquids with varied wave length of light under standard test conditions

## Flame Photometer(SDS0040)

Digital single and dual channel flame photometers with sodium and potassium filters, working on the principle of flame emission spectroscopy (FES) or flame photometry. With sodium (Na) & potassium (K) filters, 3 point calibration, direct readout in ppm & meq/l, auto filter selection, 5digit LED display with compressor and other accessories for lab & medical use.



## Digital Spectrophotometer(SDS0041)

Digital Spectrophotometer is an economical, reliable, rugged and most accurate system for spectrophotometer analysis of any concentration. It operates at a wavelength range of 340 to 960nm. The output is available on a 3½ digit LED display in terms of optical density, percentage

transmission and concentration. Highly advanced solid state I.C. technology has made its circuit

very stable and accurate. Rotating disc makes the calibration extremely simple. Desired wavelength can be selected by adjusting the disc provided at the top panel. Range 340-960 nm with facility for automatic concentration, % transmission & O.D. measurement. Separate 3 digit display for wavelength in nm.



## Digital UV VIS Spectrophotometer(SDS0042)

They are used for reliable & highly accurate determination of absorbance, transmission & concentration of liquids. Range 190 to 1000 nm with facility for automatic concentration, Transmission & OD measurements. Motorized micro controller based wavelength selection, 4 digit LED display for wavelength, and 3 ½ digit LED data display with 4 sample holders



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com), CONTACT: 9466229225

# General Purpose Shaking Machine

These are general purpose heating devices mandatory in all general laboratory applications. All these shaking machines are designed for unique applications

## Rotary Flask Shaker(SDS0043)

They are designed for continuous shaking of solutions in **Erlenmeyer** flasks from 50 ml to 1000 ml capacity. It is a compact bench type tabletop model double platform (one on top of the other)

fitted with rubber discs and the complete unit is mounted on a heavy and sturdy angle iron frame. For units fitted with A.C. motor speed is controlled by belt driven mechanical speed controller. For units fitted with D.C. drive speed is controlled by solid

state continuously variable speed controller. Standard Platform sizes: 55x55 cm, 65x65 cm,

105x105 mm and 180x180 mm



## Universal Shaking Machine (Multi Purpose)(SDS0044)

These are provided with 4 flasks holder, one test tube holder stand and sieves holder. To work on 220 / 230 volts 50 cycle A.C. only. Optional accessories automatic 0-60 minutes "German Timer."



## EGG Incubator(SDS0045)

A laboratory incubator provides a temperature-controlled environment to support the growth of microbiological cultures. Typical incubators are insulated boxes with an adjustable heater, going up to 60°C to 65°C (140°F to 149°F), though some can go slightly higher

(generally to no more than 100°C). Esco Isotherm® laboratory incubator is built with reliable performance and standards. Ergonomic, intuitive interfaces, microprocessor PID controls with programming options, 4-zone heated air jacket, precisely tuned and tested ventilation and insulation package, all supported by Esco's solutions-based sales and service representatives worldwide.



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com), CONTACT: 9466229225

# Laboratory Drying Equipments

These equipments are a must for all material testing laboratory along with varied applications in seed and soil testing laboratory. They are ideal instrument for continuously dry the solution for grading purposes.

## Industrial Tray Dryer (SDS0046)

Most widely used in the pharmaceutical, pigment and other chemical industries to dry the wet powders effectively in a set space of time. These lab scale tray dryers help to calculate the time and pressure required to get an optimum result to be applied to the large-scale processes by making the use of hot air-recirculation to dry the material..



## Vortex Mixers (SDS0047)

This apparatus is compact, quiet, and equipped with several inserts that enable the agitation and mixing of samples of various sizes. Rapidly oscillating motorized drive shafts under the sample platform transmit orbital motion to sample containers positioned inside the mixer. This results in the turbulent flow- also referred to as a vortex of the sample fluids. This is the kinetic force that is comparable to stirring but does not involve a component that protrudes into the sample container. Microplates may also be affixed.

This is preferred for numerous applications in microbiology and the biological sciences that need sensitive samples or high throughput processes. A standard stirrer can only mix one sample container at a time. It cannot combine fluids in sealed flasks, and it is sometimes necessary to combine the reagents for [biochemical experiments](#). In contrast, vortex mixers are typically designed with a minimum dual-plate structure, allowing for the simultaneous mixing of numerous samples. While their primary function is mixing samples and chemicals, vortex mixers can also be used to suspend cells.



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com), CONTACT: 9466229225



# Microscopes

The basic and advanced level microscopes are ideally used for all kind of pathology and microbiology applications. These microscopes are fitted for all basic and research based applications

## Monocular Inclined Research Microscope(SDS0049)

A rigid and heavy stand for perfect stability on horse shoe base with observation tube inclined at 45 degree and rotatable in 360 degree with perfectly centered quadruple revolving nose piece, fixed stage with precision. Co Axial Mechanical stage with graduated scale and vernier on both sides fitted with sub stage bright field condenser NA 1.3 achromatic objectives (5x,10x, 45x and 100x)and Huygenian Eye pieces (H5x and WF 10x) supplied in wooden cabinet.



## Binocular Research Microscope(SDS0050)

They have heavy duty ball bearings quadruple revolving nosepiece and fixed stage with precision mechanical stage for x and y movement of slide up to 50 x 75mm. These are built in base HALOGEN ILLUMINATION system 6V-20W supplied with electrical system, regulator, and concave reflecting mirror attachment for day light use. Achromatic objectives (5x, 10x, 45x, and 100x) and eye Pieces (5x, 10x, WF) are also Supplied in wooden cabinet.



## Trinocular Research Microscope(SDS0051)

They have heavy duty ball bearings quadruple revolving nosepiece and fixed stage with precision mechanical stage for x and y movement of slide up to 50 x 75 mm. These are built in base HALOGEN ILLUMINATION system 6V-20W. Moreover they are supplied with electrical system, regulator, and concave reflecting mirror attachment for day light use. Achromatic objectives (5x, 10x, 45x, and 100x) and Eye Pieces (5x, 10x, WF) are also Supplied in wooden cabinet with lock and key of thermocol with trinocular head.



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Advanced Microscopes

These advanced tissue culture and stereoscopic zoom microscopes are ideal for research and analysis of various advanced level samples in tissue culture and applied sciences. All our microscopes are equipped with advanced Japanese optics for the best results and performance.

## Inverted Binocular Tissue Culture Microscope(SDS0052)

Inverted binocular microscope is used for tissue culture examination. They have coarse and fine adjustment, incident lamp with variable light control arrangement, straight tube for photomicrography, with long working distance objectives and binocular head.

Moreover they are also supplied complete with LWD objectives (5x, 10x, 20x, 40x) and wide field eye pieces (10x Paired).



## Stereo Zoom Binocular Microscope(SDS0053)

A latest three dimensional zoom binocular microscope with special high eye point, wide field eye pieces 10x and 15x Para focal zoom, objective of 1x,10x,5x providing continuous variable magnification from 10x to 150x depending upon the eye pieces and supplementary lens used, having well designed pole stand having extension pillar 360 revolving zoom binocular head and 6 volts 20 watts incident spot light illuminator with variable light control transformer without supplementary lens attachment.



## Micro Photographic Attachments(SDS0054)

Measuring the light and its intensity and then determining the correct exposure for microphotography is no problem when using the Micro attachment. When fitted, the Micro attachment tube is inserted into the ocular tube of the microscope or micro photographic unit. After the ocular lens is removed, direct readings can be made through the microscope or micro photographic unit.



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Moisture Meters

Our advanced microprocessor based moisture meters are equipped with state of the art micro-processors for fast and reliable outputs. These non destructive moisture meters are ideal for various storage facilities and for research applications

## Seed Moisture Meter(SDS0055)

### Measuring Grains & Ranges

Pumpkin	5.8 % ~ 14.2 %
Radish	1.9 % ~ 10.5 %
Cabbage	3.3 % ~ 9.8 %
Melon	3.9 % ~ 11.2 %
Water Melon	3.6 % ~ 11.8 %
Red Pepper	3.9 % ~ 11.5 %



## Grain Moisture Meter(SDS0056)

### Measuring Grains & Ranges

Sesam	4.8% ~ 15%
Peanut	4.8% ~ 14.7%
Soybean	8.5% ~ 21.5%
Red Bean	12.5% ~ 19.7%
Mung Bean	10.9% ~ 20.9%
Buckwheat	10% ~ 24.9%



## Wood Moisture Meter(SDS0057)

### Specifications

Applications	Wood
Measuring Range	9 % ~ 50 %
Display	Digital L.C.D
Temp. Compensation	Automatic
Power Source	Battery 9V X 1EA
Accuracy	± 0.5 %
Dimensions	150(L) X 70(W) X 25(H) mm
Weight	Approx. 2.1Kg



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Moisture Meters

Our advanced microprocessor based moisture meters are equipped with state of the art micro-processors for fast and reliable outputs. These non destructive moisture meters are ideal for various storage facilities and for research applications

## Sanitary Napkin Incinerator Machine With Smoke Control (SDS0058)

**Medical waste incinerator** from Microteknik comes with the assurance of more than 5 decades of experience in the incineration of wastes. We have tried and perfected the technology over and over to reach this product that delivers a peak level of excellence. The performance and efficiency of this incinerator are the top features admired by the users. We have manufactured this product, keeping the global standards of sanitary waste management and incineration in mind. The rugged construction and superior design offer safety and long-term performance.



## Roti Making Machine (SDS0059)

The benefits of automatic roti-making machines, including time-saving, consistency, and efficiency, have transformed the way rotis are prepared and served. These machines have not only streamlined the production process but also improved the quality and safety of the end product. As technology continues to advance, the integration of automatic roti-making machines into households and businesses worldwide is likely to become more prevalent, reshaping the culinary landscape and enhancing the overall dining experience for consumers.



## Ultra-Sonic Bath Sonicator(SDS0060)

An ultrasonic bath is a cleaning device that allows for thorough cleaning in almost any metal, plastic, ceramic or other material. Jewelry and watches, optics, weapons, dental tools, aesthetics, coins, parts after machining, auto parts, and more. The method is a gentle and thorough method that allows you to clean tools and Devices. Even in the most difficult places to clean. To get the best results from the cleaning device, it is important to know the best way to use it. In this article, I will explain how an ultrasonic bath works.



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Microtomes

These are precision cutting tools ideally suited for histopathology laboratory applications. Apart from the pathology application, these equipments also find place in R&D labs of various industries.

## Freezing Microtome(SDS0061)

They have table-clamping device with a feed range of 5-40 microns in step of 5 microns each. These units are based on the principle of freezing with the evaporation of CO<sub>2</sub> cylinder around the specimen. The unit is supplied complete with freezing attachment with specimen stage of 32 m.m. diameter, gas pipe, one knife of 120 m.m. and with back and handle in case of honing stone. It is supplied without CO<sub>2</sub> gas cylinder.



## Precision Rotary Microtome (A.O. Spencer Type)(SDS0062)

It has a front located feed indicator with CAM DRIVE SYSTEM setting from 1-50 microns in steps of 1 micron each. The object clamp takes specimen up to 32 x 27 m.m. on stem of block holders. The cutting angle is adjustable through 30 degree; two levers are provided for releasing knife holder for resetting angles and a third lever releases the entire assembly for movement on side ways to adjust horizontal distance from object. Moreover they are also supplied with one knife of special alloy steel 120 m.m. long with back and handle in box, 3 block holders, one honing stone, one bottle of lubrication oil and dust cover.



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Laboratory Centrifuge

Lab Centrifuge are the integral part of any laboratory. These are ideal machines for pathological and medical applications. Apart from these, they are also used in genetic engineering, biotechnology, microbiology and other applied sciences laboratories

## General Purpose Laboratory Centrifuge(SDS0063)

They have easy Lid lock, Stepless speed regulator, Safety Fuse, Elegant front panel. With a wide choice of rotor heads and adaptors, this unit is truly versatile.

Max. Speed	RPM	RPM	RPM
Max. RCF	x g	3650	3650
Max. Tube Size	ml	50	50
Max. Capacity	ml	200	200



## High Speed Centrifuge(SDS0064)

These ranges of centrifuges are designed for high speed centrifuging applications. The equipment is provided with speed control, digital temperature control cum indicator, digital timer with a range of 0-99 minutes and alarm at automatic switching off, dynamic brake, zero start interlock, safety cut off in case of imbalance and lid locking switch etc.

### Specifications

Max. Speed	RPM	20000
Max. RCF	x g	34500
Max. Tube Size	ml	100
Max. Capacity	ml	400



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Special Purpose Centrifuge

These special purpose research grade centrifuges are imperative for every research lab. They have a variety of applications in general and applied science lab. Our research centrifuge incorporates latest technology to ensure maximum efficiency at optimum power.

## Refrigerated Centrifuge(SDS0065)

They are multipurpose centrifuge that accommodates a large number of rotor heads of varying tube capacities. The Table-top model centrifuge is provided with step less auto variac speed control and with separate control panel having digital speed indicator, digital Timer of 0- 99 minutes and automatic switching off, alarm signal and digital temperature control cum indicator with a range of -10°C to +40°C. The equipment also feature dynamic brake, zero start inter lock, safety cut off in case of imbalance and lid open.



### Specifications

Max. Speed	RPM	18000	Max.Tube Size	ml	200
Max. RCF	x g	28600	Max. Capacity	ml	800

## High Speed Centrifuge(SDS0066)

This range of centrifuges are environment friendly equipment provided with CFC free cooling system, brush less induction motor, programmable microprocessor control for pre-setting speed in the range of 100 to 20000 RPM, RCF Display, temperature ranging from -10°C to 40°C, timer with a range of 1 minute to 120 minutes and acceleration/deceleration time. Functional displays on the LCD while in running mode include RPM indication by default, RCF by selection, remaining time, working chamber temperature and lid lock status.



### Specifications

Max. Speed	RPM	18000	Max.Tube Size	ml	100
Max. RCF	x g	25200	Max. Capacity	c	-10

**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# General Purpose Equipments

Circulatory water bath is required in laboratories where a uniform temperature has to be maintained for indirectly heating the masses. Metabolic shaker is required in applications where constant indirect heating of a mass has to accompany with the shaking at uniform speed. Oil baths are required for indirect heating of mass through oil.

## Circulatory Water Bath (SDS0067)

Three models according to bath volume (5L, 10L, 20L) and temperature range from ambient +5°C above ambient to 100°C PID microprocessor controller (touch pad type) achieves accurate temperature control. Memory to store three temperature setting and single button to activate required set temperature. moreover it has temperature unit display readout.



## Metabolic Shaker Water Bath(SDS0068)

It is a double walled unit with stainless steel interior and exterior sheet duly enamel painted. The pyramidal lid made of S.S. prevents falling of condensed water droplets on the specimens. Heating is achieved through an immersion type heater and the temperature is controlled by "IMPORTED THERMOSTAT" hydraulic type thermostat with an accuracy of  $\pm 0.5^{\circ}\text{C}$ . The bath has an oscillating tray riding on ball rollers oscillated through a geared variable speed motor. Shaking speed range is between 40 to 140 cycles per minute and shaking tray can hold test tubes or Erlenmeyer flasks of 25 ml or 50 ml or 100 ml or 250 ml or 500 ml.



## Oil Bath High Temperature(SDS0069)

They have double walled construction with stainless steel body. The gap between the two walls is filled with high-grade glass wool to minimize thermal loss. Temperature range from 50°C to 250°C  $\pm 2^{\circ}\text{C}$  is controlled by "IMPORTED THERMOSTAT" hydraulic capillary type thermostat. A variable speed stirring arrangement is fitted to the unit and it works on 220/230 volts A.C. supply



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225



# Water Bath

These are small laboratory indirect heating equipments. These equipments are used when there is inflammable liquid or mass to be heated indirectly. In this scenario that mass/liquid is heated through water bath. All the different water baths have different applications

## Water Bath (Double Walled)(SDS0070)

It is a double walled bath with inner chamber made of stainless steel and outer wall made of M.S. sheet duly enamel painted. The gap between outer and inner walls is filled with special grade glass wool insulation. The concentric rings can be removed to accommodate containers of various sizes.

Temperature from ambient to  $100^{\circ}\text{C} \pm 1^{\circ}\text{C}$  is controlled by imported thermostat of size: 300 x 250 x 100 mm (6 holes of 75 mm diameter) 355x405x100 mm (12 holes of 75mm).



## Serological Water Bath(SDS0071)

These units are double walled with inner chamber made up of S.S. sheet and outside of M.S. duly enamel painted. The gap between the walls is filled with special grade glass wool in order to avoid thermal losses 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. The cover is provided with the unit as a standard accessory. Temperature range is from ambient to  $100^{\circ}\text{C}$  and is controlled by imported thermostat with an accuracy of  $\pm 1^{\circ}\text{C}$ . Cap: 2racks/4 racks/6 racks/8 racks.



## High Precision Water Bath (With Stirring Arrangement)(SDS0072)

Double walled chamber has inner cubicle of thick S.S. and outer of thick PCRC sheets duly painted. A glass window is provided on the front side for an easy inside view. A high-speed stirrer with a motor of 1/20 unit for continuous stirring for maintaining uniform temperature throughout. A speed regulator is provided on the front panel to control speed of the stirrer. The heating mechanism comprises of set of heaters a sensitivity of  $\pm 0.2^{\circ}\text{C}$  digit and are available in different standard capacity & models.



**SDSi**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**

(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Laboratory Balances

Sdsi offer a complete range of laboratory balance like electronic digital balances, Infrared moisture balances and Platform scale. These models have vast applications

## Electronic Digital Balances(SDS0073)

Features: Large LCD display for easy view, standard RS 232 interface, parts counting & percent weighing and below balance weighty facility. Die cast aluminum design for long term stability & accurate result. Various weighing units like ct, gm, oz, dwt, mom, and GN.ISO-GLP compliance printouts (optional) and are available in various models and capacity



## Infrared Moisture Balance Automatic(SDS0074)

For rapid laboratory quality moisture determinations at a touch of a button, the halogen moisture balances set the standard. Using controllable halogen heaters, moisture is gently but rapidly driven off from the sample. The integral quality balance and onboard computer calculate the weight loss giving accurate measurements within minutes. Using intelligent design and high quality parts; repeatability of 0.01% is achieved. The range offers three instruments, with varying degrees of sophistication.



## Platform Scales(SDS0075)

These scales feature a configuration where the platform is separated from the weighing indicator via or more in length. The weighing capacities range from 6 lbs to 2000 lbs. Some models feature a platform, while others or wash down scales perfect for the restaurant marketplace. Applications include general shipping. They are also available in different models and capacity.



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**  
(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTHA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225

# Pharmaceutical Application Equipments

Pharmaceutical industry develops drugs licensed for the use of medications. These equipments are used in the manufacturing of medications and pharmaceuticals. These equipments almost have endless possibilities for use.

## Clean Room Storage Cabinet(SDS0076)

These equipments are widely used in pharmaceutical and electronic industry for storing components and media in a clean sterile environment. Moreover they have unidirectional clean air flow, adjustable wind speed and three point door latching system



## Clean Room Oven(SDS0077)

These equipments are designed specifically for clean room operation and are available in many different sizes and configurations to meet specific temperature and cycle requirements. Moreover they have wide range of applications in genetic engineering, biotechnology, microstructure etc.



## Air Curtain(SDS0078)

SDSI air curtains provide a barrier of high velocity air that helps block incoming winds and stops warm air escaping. They achieve this by delivering a powerful barrier of heated air across the entire width of the doorway. Units can be easily fitted within existing or new buildings and are ideal for open doorways. The open door not only causes discomfort but greatly increases energy loss and the running costs of the building. Airbloc units offer a cost-effective, energy efficient solution to these problems. Units are best mounted horizontally above the door to enable high-level warm air to be re-circulated to working level. Where over-door mounting is not possible, alternative units are available which may be mounted vertically at one or both sides of the door.



**SDSI**<sup>®</sup>  
Since 2010

**SHRI DURGA SCIENTIFIC INDUSTRIES**  
(AN ISO 9001:2008 CERTIFIED CO.)

ADDRESS: - MEHTABGARH P.O MEHMOODPUR, NEAR DANG BHATTA, SAHA,  
AMBALA, HARYANA-133104

EMAIL: [shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com) , CONTACT: 9466229225



*AN ISO 9001:2008 CERTIFIED CO.*

**SHRI DURGA SCIENTIFIC INDUSTRIES**

MEHTABGARH MEHMOODPUR ROAD, SAHA AMBALA

HARYANA 133104

CONTACT: 9466229225

EMAIL:

[shridurgascientific@gmail.com](mailto:shridurgascientific@gmail.com)

SDSI