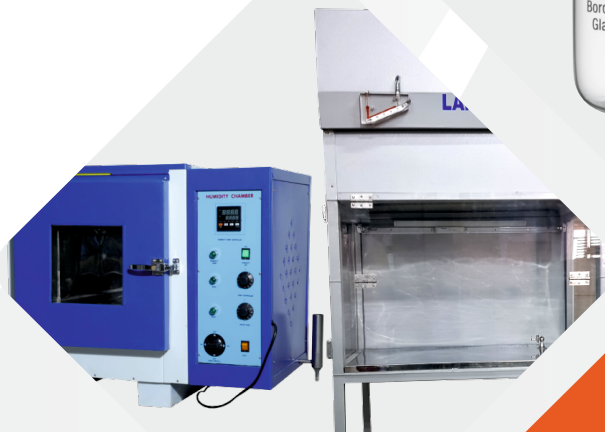




SOLITAIRE SCIENTIFIC

MANUFACTURER OF
SCIENTIFIC LAB EQUIPMENT
& GLASSWARE

PRODUCT GUIDE

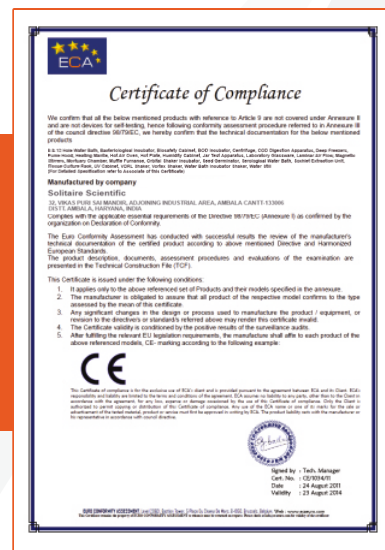


SOLITAIRE SCIENTIFIC is one of a leading manufacturers of laboratory and glassware products, catering to the Indian scientific dealer market. With 15 years of experience, we are known for producing high-quality equipment like hot air ovens, incubators, fume hoods, and glassware items such as beakers and measuring cylinders.

Our products undergo rigorous quality control procedures, and we are proud to hold **ISO 9001** certification. Additionally, all our products are **CE-approved**, ensuring their safety and performance standards compliance. Equipped with a world-class manufacturing unit, we leverage advanced technology to deliver durable and precise products.

Our team of skilled professionals is dedicated to meeting the specific needs of our customers. We value our clients and are committed to providing exceptional service and support. As trusted partners, we work closely with scientific dealers across India to offer tailored solutions. Choose us for reliable and innovative laboratory equipment.

Contact us today to learn how we can contribute to your scientific endeavours.



CONTENTS

SR.NO.	PRODUCT	PAGE NO.
1	Hot Air Oven	1-2
2	Bacteriological Incubator	3-4
3	BOD Incubator	5-6
4	Orbital Shaker Incubator	7
5	Seed Germinator	8
6	Serological Water Bath	9
7	6 & 12 Hole Water Bath	10
8	Water Bath Incubator Shaker	11
9	Muffle Furnance	12
10	Mortuary Chamber	13
11	Deep Freezers	14
12	Hot Plate	15
13	Humidity Cabinet	16
14	Magnetic Stirrers	17
15	Water Still	17
16	Centrifuge	18
17	Vortex Shaker	18
18	VDRL Shaker	19
19	UV Cabinet	19
20	Heating Mantle	20
21	Jar Test Apparatus	21
22	COD Digestion Apparatus	22
23	Laminar Air Flow	23
24	Fume Hood	24
25	Biosafety Cabinet	25-26
26	Tissue Culture Rack	27
27	Soxhlet Extraction Unit	28
28	Laboratory Glassware	29-31

HOT AIR OVEN



SHAO-DA



SHAO-D



SHAO-D

Solitaire Scientific manufacturer complete range of Hot Air Oven with different sizes, trays or shelves and temperature control digital/analog PID to suit customer requirements

Hot Air Oven At a Glance

- Sturdy double wall construction with glass wool insulation
- Uniform precise temperature control with thermometer in analog mode and digital/PID control in digital mode
- Inbuilt ventilation
- Removable trays
- Powder coated paint which makes exterior corrosion resistant
- Best in class heating elements for better heating & minimum power consumption

Technical Specification	Hot Air Oven
Outer Body Construction	Mild Steel Powder Coated/Stainless Steel
Inner Construction	Stainless Steel/Aluminium
Temperature Controller	Analog/Digital/PID
Temperature Range	Ambient to 250°C
No. of Shelf	2/3
Type of Shelf	Sheet/Wire Mesh
Power Supply	220V/50Hz

Optional Accessories

- Air Circulating Fan
- Timer 0-24 hours
- Digital temp. Indicator-cum-Controller
- Microprocessor PID digital temp. Indicator-cum controller with timer
- Digital temp. indicator

HOT AIR OVEN



SHAO-A



SHAO-DA



SHAO-A

Solitaire Scientific manufacturer complete range of Hot Air Oven with different sizes, trays or shelves and temperature control digital/analog PID to suit customer requirements

Hot Air Oven Sizes

Chamber Size mm	(HxWxD) Inches	Capacity(approx.) Litres	No. of Shelves
300x300x300	12"x12"x12"	28	2
350x350x350	14"x14"x14"	45	2
400x400x400	16"x16"x16"	65	2
450x450x450	18"x18"x18"	95	2
600x450x450	24"x18"x18"	125	2
600x600x600	24"x24"x24"	224	2
900x600x450	36"x24"x18"	252	2/3
900x600x600	36"x24"x24"	336	2/3
900x900x900	36"x36"x36"	720	2/3

Customization

- At solitaire scientific we believe in manufacturing the product as per customer need so if need any modification in construction, sizes or temperature control or adding any other accessory feel free to contact us.

INCUBATOR



SBIC-D



SBIC-AD



SBIC-D

Solitaire Scientific manufacturer complete range of Bacteriological incubator with different sizes, trays or shelves and temperature control digital/analog PID to suit customer requirements

Bacteriological incubator At a Glance

- Uniform precise temperature control with thermometer in analog made and digital/PID control in digital mode
- Sturdy and rigid construction with glass wool insulation
- Removable trays.
- Conveniently located glass window
- Powder coated which make exterior corrosion resistance
- Inbuilt ventilation

Technical Specification	Incubator
Outer Body Construction	Mild Steel Powder Coated/Stainless Steel
Inner Construction	Stainless Steel/Aluminium
Temperature Controller	Analog/Digital/PID
Temperature Range	Ambient to 60°C
No. of Shelf	2/3
Type of Shelf	Sheet/Wire Mesh
Power Supply	220V/50Hz

Optional Accessories

- Air Circulating Fan
- Timer 0-24 hours
- Digital temp. Indicator-cum-Controller
- Microprocessor PID digital temp. Indicator-cum controller with timer
- Digital temp. indicator

INCUBATOR



SBIC-A



SBIC-D



SBIC-A

Solitaire Scientific manufacturer complete range of Bacteriological incubator with different sizes, trays or shelves and temperature control digital/analog PID to suit customer requirements

Bacteriological incubator Sizes

Chamber Size mm	(HxWxD) Inches	Capacity(approx.) Litres	No. of Shelves
300x300x300	12"x12"x12"	28	2
350x350x350	14"x14"x14"	45	2
400x400x400	16"x16"x16"	65	2
450x450x450	18"x18"x18"	95	2
600x450x450	24"x18"x18"	125	2
600x600x600	24"x24"x24"	224	2
900x600x450	36"x24"x18"	252	2/3
900x600x600	36"x24"x24"	336	2/3
900x900x900	36"x36"x36"	720	2/3

Customization

- At solitaire scientific we believe in manufacturing the product as per customer need so if need any modification in construction, sizes or temperature control or adding any other accessory feel free to contact us.

BOD INCUBATORS



SBOD-D



SBOD-AD



SBOD-D

Solitaire Scientific manufacture complete range of BOD Incubator (Biological oxygen demand) are used in microbiology laboratories for applications all culture, fungal growth etc.

BOD Incubators At a Glance

- Toughened glass window
- Uniform and precise temperature control
- Environmental friendly refrigeration
- Illumination with fluorescent light
- Air Circulation fan to maintain uniform temperature
- Sturdy and durable double wall construction with insulation

Technical Specification	BOD Incubators
Temperature Range	5 to 60°C
Temperature Control	Digital/P.I.D
Construction	Double Wall Outer M.S Powder Coated Inner Stainless Steel
Air Circulation	Yes
Refrigeration System	Yes
Caster wheel	Yes
Glass Window	Yes
Trays	Yes (removable)
Power Supply	220V, 50Hz

BOD INCUBATORS



SBOD-A



SBOD-B



SBOD-B (Back Side)

Solitaire Scientific manufacture complete range of BOD Incubator (Biological oxygen demand) are used in microbiology laboratories for applications all culture, fungal growth etc.

BOD Incubators At a Glance

BOD Incubators Size in mm(WxDxH)	Size (Cu.ft.)	Litres
455x410x610	4 Cu.ft.	112
505x415x830	6 Cu.ft.	171
565x565x865	10 Cu.ft.	280
650x580x900	12 Cu.ft.	336
700x650x900	15 Cu.ft.	420

Optional Accessories

- Timer 0-24 hours day night cycle
- Internal illumination with 3 fluorescent tubes
- Digital Temp. Indicator -cum-Controller
- Microprocessor PID digital temp. indicator-cum-controller with digital
- Automatic Voltage stabilizer 3-5 KVA (recommended must.)

Customization

- At solitaire scientific we believe in manufacturing the product as per customer need so if need any modification in construction, sizes or temperature control or adding any other accessory feel free to contact us.

ORBITAL SHAKER INCUBATOR



SOBI



SOBI

Solitaire Scientific manufacture complete range of orbital shaker incubator used in variety of lab applications fermentation, hybridization, biochemistry, enzyme research.

Orbital Shaker Incubator At a Glance

- Uniform & Precised Temperature control (Digital)
- Smooth Shaking
- Inner high grade SS Steel Construction
- Outer M.S Powder Coated.
- Digital R.P.M Indicator
- Easy to use & maintaince free

Technical Specification	Orbital Shaker Incubator
Temperature	Ambient to 80° C
Temperature Control	Analog/Digital
Construction	Double Walled
Outer Body	Mild Steel Powder Coated/Stainless Steel
Inner Body	Stainless Steel
Flask	9 Flask 250ml or 500ml/ 16 Flask 250ml or 500ml
Power Supply	220V/50Hz

Orbital Shaker Incubator Size in mm(WxDxH)	Size (Cu.ft.)	Litres
455x410x610	4 Cu.ft.	112
505x415x830	6 Cu.ft.	171
565x565x865	10 Cu.ft.	280
650x580x900	12 Cu.ft.	336
700x650x900	15 Cu.ft.	420

Optional Accessories

- Orbital Shaker Incubator for 25ml, 50ml, 100ml, 250ml, 500ml & 25mm dia. test tubes or conical flasks
- Digital RPM meter
- Microprocessor PID digital temp. Indicator-cum controller with timer
- Digital temp. indicator

SEED GERMINATOR



SSG



SSG

Solitaire Scientific manufacturer complete range of Seed Germinators are an ideal solution for all your seed germination requirement in laboratory.

Seed Germinator At a Glance

- Sturdy heavy duty construction inner stainless steel outer M.S powder coated or complete inner outer stainless steel
- Uniform and Precise temperature control with PT-100 temperature sensor
- Illumination with fluorescent light
- Micro controller based control panel for easy operation
- Uniform and precise heating.
- CFC free hermetically sealed compressor

Technical Specification	SSG (Model)
Temperature Range	5°C to 50°C
Temperature Tolerance	±1°C
Construction	Double Wall Outer M.S Powder Coated Inner Stainless Steel
Humidity Range	50% to 90% RH
Accuracy	±3%
Timer (light)	Inbuilt 24 x 7
Caster wheel	Yes
Power Supply	220V/50Hz

Model	Dimensions (mm)	Volume (Cu. Ft.)	Volume (Liters)
SSG Series	505x415x830	6	171
SSG Series	570x550x900	10	280
SSG Series	650x580x900	12	340
SSG Series	700x640x900	14	400
SSG Series	775x775x970	20	580
SSG Series	825x825x1200	30	840

WATER BATH

SEROLOGICAL WATER BATH



SSWB-AA



SSWB-A

Solitaire Scientific are manufacturers of complete range of Serological water baths.

Serological Water Bath At a Glance

- Sturdy and durable Construction
- Uniform and precise temperature control.
- Uniform glass wool insulation to avoid heat loss
- High grade stainless steel inner construction

Technical Specification	Serological Water Bath
Temperature	Ambient to 80° C
Temperature Control	Analog/Digital
Construction	Double Walled
Outer Body	Mild Steel Powder Coated/Stainless Steel
Inner Body	Stainless Steel
Power Supply	220V/50Hz

Chamber Size mm (Inside Stainless Steel)	Litres	Racks
300x175x175	12	1
300x250x175	14	2
375x300x175	18	4
455x300x175	25	6
605x300x175	32	8

Optional Accessories

- Stirrer with 1/20 H.P. high speed motor with stainless stirring rod & blades.
- Timer 0-24 hours
- Digital temp. Indicator-cum-Controller
- Microprocessor PID digital temp. Indicator-cum controller with timer

WATER BATH

6&12 HOLE WATER BATH



SHWB-6



SHWB-6

Solitaire Scientific are manufacturer of complete range of 6 & 12 Hole Water Bath.

6&12 Hole Water Bath At a Glance

- Sturdy and durable Construction
- Uniform and precise temperature control.
- Uniform glass wool insulation to avoid heat loss
- High grade Stainless Steel inner construction

Technical Specification	6&12 Hole Water Bath
Temperature	Ambient to 90° C
Temperature Control	Analog/Digital
Construction	Double Walled
Outer Body	Mild Steel Powder Coated/Stainless Steel
Inner Body	Stainless Steel
Power Supply	220V/50Hz

Size mm	Litres	No. of Holes
250x250x100	4	4 holes of 75 mm dia
300x250x100	8	6 holes of 75 mm dia
355x405x100	15	12 holes of 75 mm dia

Optional Accessories

- Stirrer with 1/20 H.P. high speed motor with stainless stirring rod & blades.
- Timer 0-24 hours
- Digital temp. Indicator-cum-Controller
- Microprocessor PID digital temp. Indicator-cum controller with timer

WATER BATH

WATER BATH INCUBATOR SHAKER



SWBIS

Solitaire Scientific are manufacturer of complete range of Water Bath Incubator Shaker.

Water Bath Incubator Shaker At a Glance

- Sturdy and durable Construction
- Uniform and precise temperature control.
- Uniform glass wool insulation to avoid heat loss
- High grade S.S inner construction

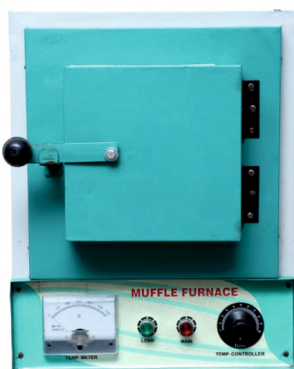
Technical Specification	Water Bath Incubator Shaker
Temperature	Ambient to 80° C
Temperature Control	Analog/Digital
Construction	Double Walled
Outer Body	Mild Steel Powder Coated/Stainless Steel
Inner Body	Stainless Steel
Flask	5 Flask 250ml/ 9 Flask 250ml
Power Supply	220V/50Hz

Shaking Tray Size (mm)	Litres
275x275x150	12
405x300x150	18

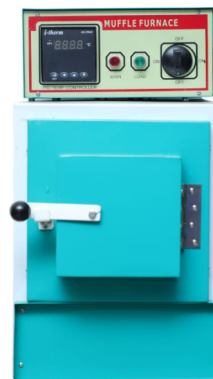
Optional Accessories

- Shaking tray for 25ml, 50ml, 100ml, 250ml, 500ml & 25mm dia. test tubes or conical flasks
- Digital RPM meter
- Microprocessor PID digital temp. Indicator-cum controller with timer
- Digital temp. indicator

MUFFLE FURNANCE



SMF-A



SMF-D

Solitaire Scientific muffle furnances from temperature of up range from 900°C to 1200°C. These are used in laboratories where high temperature is required to change properties of samples.

Muffle Furnance At a Glance

- Microprocessor based PID temperature control
- Sturdy Construction for use at high temperature
- Easy to use
- Design with advance safety feature
- Outer Body Mild Steel Powder Coated/Stainless Steel
- Insulated body with blanket to maintain outer body temperature
- Ceramic Inner Body

Chamber Size mm	(HxWxD) Inches
225x100x100	9"x4"x4"
250x125x125	10"x5"x5"
300x125x125	12"x5"x5"
300x150x150	12"x6"x6"
300x200x200	12"x8"x8"
350x175x125	14"x7"x5"
475x175x125	19"x7"x5"
450x225x225	18"x9"x9"

MORTUARY CHAMBER



SMC



SMC

Solitaire Scientific manufacturer complete range of Mortuary Chambers are used to keep dead bodies in low temperature for short or long duration

Mortuary Chamber At a Glance

- Easy to operate
- Mild Steel powder coated inner S.S / outer & inner S.S
- Separate doors and handles for each chamber
- High Quality Stainless steel 304 Construction
- Reliable and stable refrigeration unit for uniform & precise temperature in the chamber
- Easy moving stretcher trays
- Microprocessor based controller system
- Easily movable on roller

Technical Specification		Mortuary Chamber		
Temp Range	Ambient to -15°C			
Construction	High Grade Stainless Steel 304/M.S. Powder Coated			
Configuration	Single Body	Double Bodies	Four Bodies	
Power Supply	220V/50Hz			

Model	External Dimensions (mm)	Compressor Units	Bodies
SMC-1	2520x820x620	1	1
SMC-2	2520x850x1320	2	2
SMC-3	2520x850x1850	3	3
SMC-4	2520x1580x1300	4	4
SMC-6	2520x1580x1850	6	6
SMC-8	2520x1580x2200	8	8

Customization

- At solitaire scientific we believe in manufacturing the product as per customer need so if need any modification in construction, sizes or temperature control or adding any other accessory we will be happy to do it.

DEEP FREEZERS



SDF-V

Solitaire Scientific manufacture complete range of Deep Freezers and are available in both Vertical & Horizontal configuration. These freezer are ideal solution for storage of specimen in pharmaceutical and biomedical laboratories.

Deep Freezers At a Glance

- Uniform & precise temperature control
- CFC Free environmental friendly refrigerant
- Easy to use micro controller based interface
- Heavy M.S. Door with lock
- Insulated body to prevent cooling loss
- Inner S.S Outer M.S Powder Coated

Technical Specification	Deep Freezers SDFV	Deep Freezers SDFH
Temperature	Ambient -20°C/-40°C	Ambient -20°C/-40°C
Construction		
- Inner	Stainless Steel	Stainless Steel
- Outer	M.S Powder Coated	M.S Powder Coated
Shelf	Optional	Optional
Caster Wheels	Yes	Yes
Temperature Control	Digital	Digital
Power Supply	220V/50Hz	220V/50Hz

Size in mm	Deep Freezers Size (Cu.Ft.)	Litres
375x500x605	4 Cu.ft.	112
505x410x830	6 Cu.ft.	171
570x550x875	10 Cu.ft.	280
650x580x900	12 Cu.ft.	336

Optional Accessories

- Supplied with Automatic voltage stabilizer

HOT PLATE



SHP

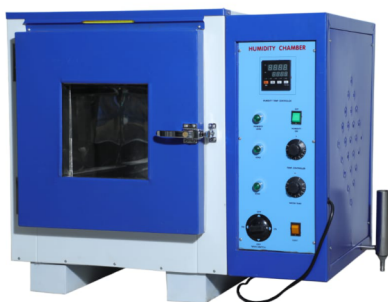
Solitaire Scientific manufacturer complete range of hot plate have precise temperature control mechanism and available in different size according to laboratory requirement

Hot Plate At a Glance

Technical Specification	SHP-A	SHP-D
Temperature control	Thermostat	Digital PID Control
Heating top plate	Cast Iron/Mild Steel	Cast Iron/Mild Steel
Temperature Range	Upto 250°C	Upto 250°C
Construction	Mild Steel Powder Coated	Mild Steel Powder Coated
Power Supply	220V 50Hz	220V/50Hz

MODEL	Size cm	(HxWxD) Inches
Round Single Plate	20 Dia	8"
Round Double Plate	20 Dia	8"
Rectangular Plate	30x25	12"x10"
Rectangular Plate	40x25	16"x10"
Rectangular Plate	45x30	18"x12"
Rectangular Plate	60x45	24"x18"

HUMIDITY CABINET



SHC-H



SHC-HC

Solitaire Scientific manufacture complete range of Humidity Cabinet is used to create suitable environmental condition for test sample in laboratory.

Humidity Cabinet At a Glance

- Double Wall Construction
- Uniform precise temperature control
- Glass window for easy observation
- Inbuilt air circulation
- S.S. Water reservoir tank.
- Silicon Gasket for effective designing

Technical Specification	Humidity Cabinet SHCV	Humidity Cabinet SHCH
Temperature Range	5°C to 50°C	5°C to 50°C
Construction		
- Inner	Stainless Steel	Stainless Steel
- Outer	M.S Powder Coated	M.S Powder Coated
Humidity Range	50% to 90% R.H.	50% to 90% R.H.
Accuracy	± 3%	± 3%
Time (light)	Inbuilt 24X7	Inbuilt 24X7
Caster Wheel	Yes	Yes
Power Supply	220V /50Hz	220V/50Hz

Size in mm	Size (Cu.Ft.)	Litres
455x410x610	4 Cu.ft.	112
505x415x830	6 Cu.ft.	171
565x565x865	10 Cu.ft.	280
650x580x900	12 Cu.ft.	336

Optional Accessories

- Supplied with Automatic voltage stabilizer

MAGNETIC STIRRERS (WITH HOT PLATE)



SMS-HP

Solitaire Scientific manufacturer complete range of Magnetic Stirrers are widely used in laboratory where stirring of fluid or reagent is required. These are provided with heated platform.

Magnetic Stirrers At a Glance

- Precise heating element
- Stainless Steel Top
- Sturdy & Rigid Construction

Technical Specifications	SMS-1	SMS-2	SMS-5
Capacity	1 Litre	2 Litres	5 Litres
Speed Adjustable	Yes	Yes	Yes
Heating Available	Yes	Yes	Yes

WATER STILL



SWS

Solitaire Scientific manufacture complete range of Water Still are wall mounted distillation unit. These are made up of S.S 304 grade/202 grade S.S still fitted with wire heating elements.

Water Still At a Glance

- Wall mounted distillation
- Stainless Steel wall fitted

Capacity (Size)	2	4	6	8 to 10

CENTRIFUGE



SC-D



SC-H

Solitaire Scientific manufacture complete range of Centrifuge machines.

Centrifuge At a Glance

- Stable Construction
- Vibration free performance
- Built Speed Regulator (5 Speed)
- Flexible and efficient.
- Small samples, fast processing.
- Quality and repeatability.

Technical Specification	Centrifuge
Timing Range	0~60 min
Voltage	220V
Frequency	50Hz

Capacity (Size)		
4x15 ml	6x15 ml	8x15 ml

VORTEX SHAKER



Solitaire Scientific Vortex shaker used for agitating/mixing solution in test tubes.
Supplied complete with speed control, power chord , and ON/OFF switch and inbuilt indicator.

VDRL SHAKER



Solitaire Scientific VDRL Shaker is used for VDRL test and various agglutination tests

VDRL Shaker At a Glance

- Adjustable shaking/rotation
- Auto agglutination test in hematology and microbiology
- Used in microbiology lab, virology lab, blood banks and various diagnostic labs.
- Platform with spring holder that can accommodate slides.
- The shaking or rotation is adjustable in rpm using a speed regulator.
- Inbuilt mechanical timer
- A mechanical timer of up to 60 minutes is also inbuilt
- Digital RPM display and digital timer for precise measurement.

Technical Specification	VDRL-M	VDRL-D
Platform size	13 x 13 inch with spring holder	13 x 13 inch with spring holder
RPM	150 to 200 rpm	150 to 200 rpm
RPM display	NO	LED Display
Timer	Mechanical Timer 0-60 minutes	Digital Timer 0-60 minutes
Power supply	220V/50Hz	220V/50Hz

UV CABINET



Solitaire Scientific UV Cabinet is used for Contoured viewing hood with safety filter to protect eyes. Special filter for high detection and sensitivity. Made up of metal body with powder coated finish.

UV Cabinet At a Glance

- Contoured Viewing hood with safety filter
- High detection and Sensitivity

HEATING MANTLE



SHM

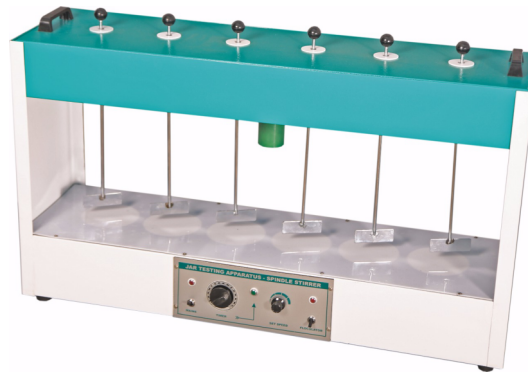
Solitaire Scientific manufacture complete range of Heating Mantle are used in various laboratory application to heat different chemical in the laboratory Chemicals are paired in the flask and placed in ricocheted net inside.

Heating Mantle At a Glance

- Maximum Surface Temperature
- Body made out of thick Aluminium sheet/Mild Steel
- Thick hand knotted fiber glass heating.
- Easy replacement of spares

Heating Mantle Size (ml)	Wattage
50	60
100	60
250	150
500	200
1	300
2	450
3	450
5	600
10	2x500
20	4x500

JAR TEST APPARATUS



SJTA

Solitaire Scientific manufacture complete range of Jar Test (flocculation) It is used for uniform stirring of sample in water testing laboratory.

Jar Test Apparatus At a Glance

- S.S Stirring shaft with adjustable height
- Illumination
- Speed Regulator for variable speed
- Sturdy construction with powder coated finish
- Digital Construction

Technical Specification	SJTA
Temperature	Ambient to 90° C
Temperature Control	Analog/Digital
Construction	Double Walled
Outer Body	Mild Steel Powder Coated/Stainless Steel
Power Supply	220V/50Hz

Jars (Qty)			
2	3	4	6

COD DIGESTION APPARATUS



SCOD



SCOD

Solitaire Scientific manufacture complete range of COD Digestion are used for monitoring waste water Industrial process water etc

COD Digestion Apparatus At a Glance

- Sturdy Double wall constructions with inner aluminum blocks with holes
- Uniform and precise temperature controller
- Powder coated paint which make exterior corrosion resistant
- Best in class heating elements for better heating & minimum power consumption
- Glass parts are also provided

Technical Specification	COD Digestion Apparatus
Temperature Range	Ambient to 180°C
Controller	Digital electronic Temperature Controller
Timer	Digital Timer with alarm
No. of Holes	6/9/15
Power Supply	220V, 150Hz
Construction	Double wall construction with insulation to minimize heat losses

Sizes (No. of Holes)		
6	9	15

LAMINAR AIR FLOW



SLAF-H



SLAF-V



SLAF-H

Solitaire Scientific laminar air flow are designed to provide dust & bacteria free environment for laboratory application available both in horizontal and Vertical manner

Laminar Air Flow At a Glance

- Micro-based control panel for easy working.
- UV lamp for sterilization for the work area.
- Ergonomically designed work space for easy working with inbuilt illumination
- HEPA filter: 99.97 – 99.99 down to 0.3 micron
- Foldable acrylic transparent front door
- High speed warmer
- Pre filter: 99.00% down to 5 micron

Technical Specifications:	LAF H	LAF V
Construction	Wooden	Wooden
	Mild Stainless Steel	Mild Stainless Steel
	Stainless Steel	Stainless Steel
Air flow direction	Horizontal	Vertical
Noise level	60 decibal ± 5%	60 Decibal ± 5%
Velocity	Upto 50m/sec	Upto 0.5m/sec
Power Supply	220V ± 10V/50Hz	220V ± 10V/50Hz

Inches	Laminar Air Flow Size (Feet)
24"x24"x24"	2x2'x2'
36"x24"x24"	3'x2'x2'
48"x24"x24"	4x2'x2'
60"x24"x24"	6'x2'x2'

FUME HOOD



SFH

Solitaire Scientific manufacture complete range of fume hoods available in Mild Steel Powder Coated, Stainless Steel and Wooden Construction.

Fume Hood At a Glance

- Sturdy Construction made up of mild steel with powder coated.
- Bright illuminated work surface.
- High Speed centrifugal fan for effective suction in fume hood.
- Large storage space beneath the work table.
- Easily adjustable front sash with counter weight user can adjust the sash position as per his requirement
- Large working platform made of granite

Technical Specification	SFH: SS	SFH: MS	SFH: W
Construction	Stainless Steel (304)	Mild steel with Powder Coated	Wooden with MIC
Gas & Air Connection	✓	✓	✓
Water Tab & Sink	✓	✓	✓
Inbuilt Electrical Socket	✓	✓	✓
Chemical Storage Cabinet	✓	✓	✓
Power Supply	220V/50Hz	220V/50Hz	220V/50Hz

Inches	Size (Feet)
24"x24"x24"	2x2'x2'
36"x24"x24"	3'x2'x2'
48"x24"x24"	4x2'x2'
60"x24"x24"	6'x2'x2'

BIOSAFETY CABINET (CLASS II, A2)



SBC - CLASS II, A2

Solitaire Scientific manufacture complete range of Biosafety cabinet available in M.S, S.S and Wooden Construction.

Biosafety Cabinet At a Glance

- Microprocessor controlled
- Work table made up of stainless steel 304 grade
- Inbuilt heavy duty blower
- Low noise level
- Convenient worktable with electrical sockets, service fixture for air gas & water
- Sturdy and durable constructions

Technical Specification	SBC - CLASS II, A2: SS	SBC - CLASS II, A2: MS	SBC - CLASS II, A2: W
Construction	Stainless Steel (304)	Mild steel with Powder Coated	Wooden with MIC
Gas & Air Connection	✓	✓	✓
Work Table	Stainless Steel (304)	Stainless Steel (304)	Stainless Steel (304)
Inbuilt Electrical Socket	✓	✓	✓
Air Filtration	HEPA Filter with 99.99%	HEPA Filter with 99.99%	HEPA Filter with 99.99%
Air Flow Recirculated	70%	70%	70%
Air Flow Exhausted	30%	30%	30%
Power Supply	220V/50Hz	220V/50Hz	220V/50Hz

Inches	Size (Feet)
24"x24"x24"	2x2'x2'
36"x24"x24"	3'x2'x2'
48"x24"x24"	4x2'x2'
60"x24"x24"	6'x2'x2'

BIOSAFETY CABINET (CLASS II, B2)



SBC - CLASS II, B2

Solitaire Scientific manufacture complete range of Biosafety cabinet available in M.S, S.S and Wooden Construction.

Biosafety Cabinet At a Glance

- Microprocessor controlled
- Work table made up of stainless steel 304 grade
- Inbuilt heavy duty blower
- Low noise level
- Convenient worktable with electrical sockets, service fixture for air gas & water
- Sturdy and durable constructions

Technical Specification	SBC - CLASS II, B2: SS	SBC - CLASS II, B2: MS	SBC - CLASS II, B2: W
Construction	Stainless Steel (304)	Mild steel with Powder Coated	Wooden with MIC
Gas & Air Connection	✓	✓	✓
Work Table	Stainless Steel (304)	Stainless Steel (304)	Stainless Steel (304)
Inbuilt Electrical Socket	✓	✓	✓
Air Filtration	HEPA Filter with 99.99%	HEPA Filter with 99.99%	HEPA Filter with 99.99%
Air Flow Exhausted	100%	100%	100%
Power Supply	220V/50Hz	220V/50Hz	220V/50Hz

Inches	Size (Feet)
24"x24"x24"	2x2'x2'
36"x24"x24"	3'x2'x2'
48"x24"x24"	4x2'x2'
60"x24"x24"	6'x2'x2'

TISSUE CULTURE RACK



STCR

Solitaire Scientific manufacture complete range of different model of tissue culture rack suitable for various agriculture research labs and other tissue culture work

Tissue Culture Rack At a Glance

- UV Germicidal lamp
- Inbuilt digital timer
- Caster wheels at bottom for easy mobility
- Sturdy and durable constructions

Technical Specification	Tissue Culture Racks		
Model No.	TCR-4	TCR-5	TCR-6
No. Shelves	4	5	6
Lighting Facility in Shelves	3	4	5
Total No. of Fluorescent Tube	12	16	20
Distance Between Shelves	16"		
Platform Size	48" x 21"		
Power Supply	AC 230V, 50/60Hz		

Sizes (No. of Rack)		
4	5	6

SOXHLET EXTRACTION UNIT



SSEU-S & SSEU-B

Solitaire Scientific manufacture complete range of Soxhlet Extraction Unit with 3 or 6 heating mantles in small, medium and large capacities

Soxhlet Extraction Unit At a Glance

- Mild Steel Powder Coated
- The flask is placed on the heating element.
- Inbuilt Individual controller
- Sturdy and durable constructions

Technical Specification	Soxhlet Extraction Unit	
Model No	SSEU-S	SSEU-B
Heating Mantle	3	6
Flask	250ml, 500ml, 100ml	250ml, 500ml, 100ml
Construction	Mild Steel Powder Coated	Mild Steel Powder Coated
Temperature Controller	Individual controller	Individual controller
Power Supply	220V/50Hz	220V, 50Hz

Sizes (No. of Soxhlet Extraction Unit)	4	5	6

LABORATORY GLASSWARE



Round Bottom Flask with Joint

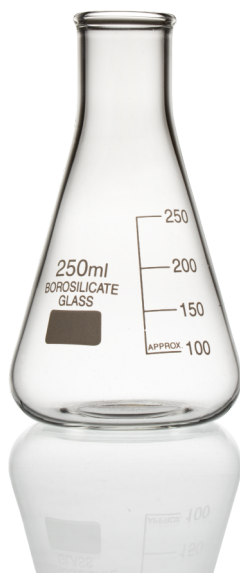
Socket Size	Capacity of Flask (ml.)	Socket Size	Capacity of Flask(ml.)
B 14	25	B 14	50
B 14	100	B 19	50
B 24	50	B 19	100
B 19	150	B 19	250
B 24	100	B 24	150
B 24	250	B 29	250
B 34	250	B 24	500
B 29	500	B 34	500
B 24	1000	B 24	2000
B 29	1000	B 34	1000
B 34	2000		



Screw Cap Bottle

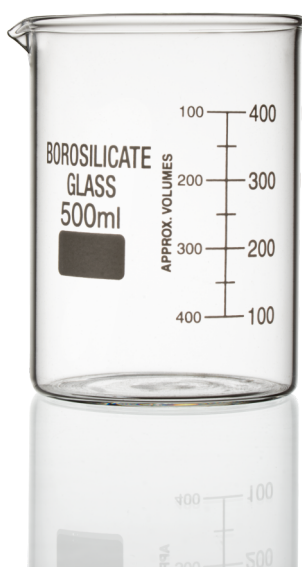
Capacity of Beakers (ml.)	Capacity of Beakers (ml.)
60	125
250	500
1000	2000
3000	5000

LABORATORY GLASSWARE



Conical Flask

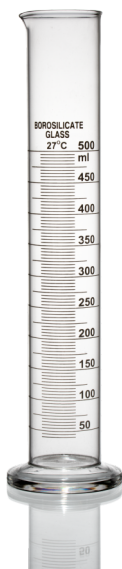
Capacity of Beakers (ml.)	Capacity of Beakers (ml.)
25	50
100	250
500	1000
2000	3000
5000	



Beaker

Capacity of Beakers (ml.)	Capacity of Beakers (ml.)
5	10
25	50
100	150
250	400
500	1000
2000	3000
5000	

LABORATORY GLASSWARE



Measuring Cylinder

Capacity of Beakers (ml.)	Capacity of Beakers (ml.)
5	10
25	50
100	150
250	400
500	1000



SOLITAIRE SCIENTIFIC

SCIENTIFIC LAB EQUIPMENT & GLASSWARE

32, Vikas Puri, Adjoining HSIDC Industrial Area, Ambala Cantt-133006

Contact : +91 98963 39968, +91 78762 68172,

Website : www.solitairescientific.com, E-mail : solitairescientific@gmail.com