

Abbe Refractometer

Abbe Refractometer Is Used For Measurement Of Dispersion And Also For Measurement Of Percentage Of Sugar In Sugar Solutions. Measurement Range: Nd 1.3000 To 1.7000 Abbe Refractometer Is A Reliable Instrument For Accurate Measurement Of Indices Of Refraction Of Transparent Liquids, Solutions And Solids. It Can Also Be Used For Measurement Of Dispersion And Measurement Of Percentage Of Sugar In Sugar Solutions. From Standard Tablets The Values Of Refractive Indices Can Be Converted In To Percentage Of Sugar. Water Jacketed Prism Box, Allows Measurement Of Index Of Refraction At The Desired Temperature.

Fumigator

Based On The Rotating Disc-Splash Plate Principal. Unit Produces Only Super Fine Particles Of Micron Size, Which Become Part Of The Atmosphere. Produced Particles Thereby Reaching Every Corner Of The Room, Resulting In Uniform Humidity. Due To The Upward Thrust Imparted To The Micron Sized Water Droplets, By High Speed Motorized Unit, They Remain Suspended In The Atmosphere For Longer Duration Of Time. Unit Is Capable Of Atomizing Upto 3 Liters Of Water In An Hour At Full Evaporation In The Driest Possible Ambient Conditions. Unit Has Body Made Up Of Stainless Steel. Provided With High Speed 2800 Rpm, Motor To Run Longer Period, And The Blades Are Aerodynamically Balanced To Ensure Dropleless Fumigation. Electric Supply 220/230v Ac, 50/ 60hz

Accelerated Curing Tank

The Strength Of Concrete Is Generally Estimated After 28 Days By Crushing Field Test Cubes Or Cylinders Made From The Representative Concrete Used For The Structure. The Utility Of Ascertaining Strength After 28 Days Is Often Questioned Since By This Time Considerable Concrete Would Have Been Placed And Work May Have Progressed. It Is Then Rather Too Late For Remedial Measures. It Is Therefore Of Tremendous Advantage To Predict 28 Days Strength Within A Few Hours Of Casting The Concrete So That, We Have A Good Idea About The Strength Of The Concrete. The Rate Of Gain Of Strength Of Concrete Depends On The Reaction Rate Of Cement And Additions With Water (Hydration). In Common With All Chemical Reactions, The Rate Of Reaction Depends On Reaction Of Temp. Higher Reaction Temperature Gives Higher Rate Of Reaction E.G. The Concrete Gains Strength More Rapidly When Its Temp. Is Higher. Accelerated Curing Is The Process By Which The Temperature Of The Concrete Is Raised Artificially By Applying External Heat To Speed Up The Rate Of Gain In Strength. The Test Method Covers Procedures For Curing Test Specimens Of Concrete Stored Under Conditions Intended To Accelerate The Development Of Strength. The Procedures Are: Procedure A- Warm Water Method, Procedure B-Boiling Water Method.

Technical Specifications

Accelerated Curing Tank Having Capacity To Accommodate Concrete Cubes Of 150mm Size With A Facility For Accelerated Curing By Boiling Water Method Up To Temperature Range : 100 +/- 2 Deg.C As Per Is Standard Is : 9013. Also It Will Have Capacity For Curing By Warm Water Method At Temperature 55 +/- 2 Deg.C. Tank Will Consist Of A Rectangular Double Walled Metal Cabinet, Inside Lined With Stainless Steel, Outer Powder Coated. Easily Replaceable High Wattage Heaters Are Mounted In Side The Chamber. A Motor Pump Is Provided To Circulate Water Inside The Chamber To Maintain The Uniform Temperature Of Water. A Strong Stainless Steel Perforated Platform Is Provided For Keeping The Cubes And Also Have A Stainless Steel Lid With Lifting Handle To Cover The Chamber. The Temperature Is Indicated And Controlled By A Digital Temp. Controller . The Duration Of Heating And Then To Shut Down The System Without Manual Attendance. The Front Panel Will Have Power Supply Indicating Lamp, Control Action Indication Lamp And One Main Switch. Electric Supply 220 V AC, 50/HZ Hz.

Size Inside :

L 800 x B 250 x D 425 mm

Air Shower

A Self Contained Well Built Factory Assembled Designed To Deliver A Spray Of Moving Air From Nozzles Transported /Down To 99.97% Efficiency On 0.3 Micron. The Clean Air Inside The Shower Will Support A Very High Degree Of Sterility And Clean Air Condition. The System Is Supplied With Optionally Aluminum Grated Floor Located Approximately 6 Inches Above Datum Level. Duct Air Chassis Are Installed Within The Walls Of The Units. While The System Is In Operation, Both Doors Will Be Automatically Locked. In The Event Of Power Failure Or An Emergency, The Doors Get Unlocked. Construction Is Of Mild Steel Powder Coated / Stainless Steel 304 Grade. Provided With Doors GI Powder Coated/Stainless Steel, Interlocking Facility, Half Toughened Glass, Statically/Dynamically Balanced, Blower Draws The Air Through Pre-Filters And Throws It Through Hepa Filter Into The Chamber. Suitable To Work On 220v, 1 Phase 50 Hz, Ac Supply.

1	Inner Area	L x W x H :- 1000 x 1000 x 2000 mm / Customized
2	MOC	GI 20 SWG Powder Coated / Stainless Steel
3	Blower Assembly	Dynamically And Statically Balanced Motors And Blowers Of Standard Make
4	Blower CFM	25-30 Mtrs/Sec, Motor Of GE/Crompton/ABB/Godrej
5	No Of Nozzles	Made Of Stainless Steel Rotating And Adjustable Fixed Either Side Of Wall And Top Ceiling Velocity 70 Meters/Sec
6	Blower Cfm	25-30 Meters/Sec
7	Face Velocity	20-22 M/S(3937-4330 FPM)
8	Air Flow	Multi Directional
9	Class	10000
10	Interlocking Of Doors	Interlocking Facility Of Doors, One Door Lock Automatically When Other Is Opened With Electromagnetic Lock, With Timer Setting
1	Flooring	Aluminium Checker Sheet Anti Skid

1		
1 2	Door	Frame Made Of GI Powder Coated/Stainless Steel, Interlocking Facility, Half Toughened Glass
1 3	Hinge & Handle	Make Godrej Or Equivalent
1 4	LED Light	Make Wipro, Insta Power, Philips
1 5	Prefilter	Washable Prefilter Down To 10 Microns, Particulate At An Efficiency Of 90% Duly Tested
1 6	Hepa Filters	With 0.3 Microns Particulate Of 99.978% Efficiency And DOP Tested, Frame Of Aluminium, Microfiber Glass Media Epoxy Sealed, Non Washable
1 7	Operations	Automatic Actuation Operation And Adjustable Timer Trough Microprocessor Based Controller
1 8	Noise Level	Less Than 75 Db
1 9	Safety	Emergency Switch In Chamber
2 0	Power	1 Phase, 220v AC 50/60 HZ

Autoclave Vertical

Double Walled, Outer Construction, Inner Chamber, Lid Made Of Stainless Steel 304 Grade, Radial Arms Locking, Fitted With Pressure Gauge, Safety Valve, Exhaust Valve, Perforated Basket, Stand, Vacuum Breaker As A Safety Device And Water Level Indicator, Piezostat (Pressure Control Device) And Low Water Level Cut-Off System For General Safety Of The Element. Digital Temperature Indicator, Drain Valve, Silicone Gasket. Internal Joints Are Argon Arc Welded,

Technical Specifications & Ordering Informations

Inner Size(Diaxht)	250x450mm	300x500mm	350x550mm	400x600mm	450x600m	550x750mm
Capacity	22 L	40 L	50 L	78 L	98 L	186 L
Heater Load	2.0 KW	2.0 KW	3.0 KW	4.0 KW	4.0 KW	4.0 KW
Gasket	Silicon Rubber					
Sterilizing Pressure	1.2 Kgf/Cm (15psi) At 121°C					
Pressure Gauge	0-2.1 Kgf /Cm ² (30 psi)					
Operating Pressure	From 10 - 20psi					
MOC Pressure Vessel	Stainless Steel Sheet					
MOC External Wall	Stainless Steel Sheet					
MOC Lid	Stainless Steel Plate					
Basket	Stainless Steel Sheet					
Accessory	Pressure Control Switch, Low Water Level Cut Off Device, Vacuum Breaker, Temperature Indicator					
Electrical Supply	220/230v Ac, 50/60Hz					

Autoclave Vertical Triple Walled

Triple Walled, Outer Construction, Inner Chamber And Middle Wall (**Boiler**), Lid Made Of Stainless Steel 304 Grade. Radial Arms Locking, Fitted With Pressure Gauge, Safety Valve, Exhaust Valve, Perforated Basket, Stand, Vacuum Breaker As A Safety Device And Water Level Indicator, Piezostat (Pressure Control Device) And Low Water Level Cut-Off System For General Safety Of The Element. Digital Temperature Indicator, Drain Valve, Silicone Gasket. Internal Joints Are Argon Arc Welded,

Technical Specifications & Ordering Informations

Inner Size(Diaxht)	250x450mm	300x500mm	350x550mm	400x600mm	450x600m	550x750mm
Capacity	22 L	40 L	50 L	78 L	98 L	186 L
Heater Load	2.0 KW	2.0 KW	3.0 KW	4.0 KW	4.0 KW	4.0 KW
Gasket	Silicon Rubber					
Sterilizing Pressure	1.2 Kgf/Cm (15psi) At 121°C					
Pressure Gauge	0-2.1 Kgf /Cm ² (30 psi)					
Operating Pressure	From 10 - 20psi					
MOC Pressure Vessel	Stainless Steel Sheet					
MOC Middle Wall	Stainless Steel Sheet					
MOC External Wall	Stainless Steel Sheet					
MOC Lid	Stainless Steel Plate					
Basket	Stainless Steel Sheet					
Accessory	Pressure Control Switch, Low Water Level Cut Off Device, Vacuum Breaker, Temperature Indicator					
Electrical Supply	220/230v Ac, 50/60hz					

Autoclave Horizontal Cylindrical

Horizontal Autoclave Triple Walled Are Widely Used For Day To Day Mass Scale Sterilization Procedures And In Various Bulk Laboratory Applications, Where Dryness Of The Sterilized Medium Is Of Paramount Importance, Given The Fact That Semi Dry Sterilized Media Is Prone To Various Micro-Bacterial And Viral Infections. We Specialize In Both Standard And Customized Models, Specifically Designed To Meet The Challenging Demands Of Various Scientists For Individual And Specialized Research Applications.

Salient Features

Steam Stock Provision
 Versatile Usage
 Stainless Steel Construction
 Ergonomic Design
 Energy Efficient
 Double Safety Radial Locking Arrangement
 Double Safety Valve Protection

Construction:

Our Horizontal Cylindrical Autoclave Are Triple Walled Units. Outer Body Of Our Autoclave Is Constructed Out Of Thick Gauge Stainless Steel Sheet Of Ss-304 Grade. The Inner Chamber Is Also Made Of Heavy Gauge Stainless Steel Sheet Of SS-304 Grade. The Middle Wall Is Also Constructed From The Strong And Sturdy Stainless Steel Sheet Of Ss-304 Grade S Stainless Steel Sheet. These Are Steam Stocking Models Connected With A Three Way Valve To Control The Sterilization Cycle Inside The Autoclave. Our Autoclaves Are Insulated By Generous Mineral Glass As Wool Insulation. The Strong Lid Constructed Out Of Thick Stainless Steel Plate Has A Double Safety Radial Locking Arrangement, Which Ensures An Easy And Smooth Opening And Closing Operation For All Our Autoclaves. The Steam Generator Of The Autoclave Is Also Constructed From Stainless Steel Sheet Of Grade Ss-304. Our Horizontal Autoclaves Are Ideally Suited For Hospitals And Research Labs Where Safety Is The First Priority Of The Users, Since It Is Equipped With A Double Safety Steam Release Valve. At The Same Time We Test All Our Autoclaves For Up To 2.5 Times The Standard Working Pressure To Ensure Maximum Safety And Protection From Any Unfortunate Incident. All Our Horizontal Autoclaves Are Supplied Complete With Pressure Gauge, Pressure Release Valve Automatic Pressure Control Switch, Vacuum Breaker And Steam Trap As A Standard Feature. The Unit Is Mounted On A Tube Stand Constructed Of High Grade Steel, Which Is Duly Pre Treated With Primers For Rust Proofing And Painted With Stove Enamel.

Heating:

The Heating Process In Our Triple Walled Vertical Autoclave Is Done Through Specially Designed Water Heaters Of Suitable Wattage To Ensure Optimum Sterilization Time In Every Sterilization Cycle.

Working Temperature:

As Per The International Standards And Guidelines Our Triple Walled Cylindrical Autoclave Have A Working Temperature Of 121 Deg.C.

Working Pressure:

Working Pressure For Our Standard Dry Sterilization Model Cylindrical Autoclave Is 15 psi.

Pressure Range:

The Normal Pressure Range Of Our Autoclave Is 5 psi To 20 psi

Pressure Control:

The Pressure Inside Our Cylindrical Autoclave Is Controlled Through A Semi Automatic Electro Mechanical Device Called Piezostat, Which Controls The Pressure Inside The Chamber And Cuts Of The Current From The Heater Whenever The Pressure Exceeds The Set Pressure Value Of The Autoclave, Thus Making It Very Safe And Energy Efficient.

Size Inside Chamber : (Dia x Depth)

	400×600mm
	450×600mm
	400×1100mm
500 × 900 mm	
500 × 1200 mm	
600 × 1200 mm	

Autoclave Horizontal Rectangular

Horizontal Rectangular Autoclave Triple Walled Are Widely Used For Day To Day Mass Scale Sterilization Procedures And In Various Bulk Laboratory Applications, Where Dryness Of The Sterilized Medium Is Of Paramount Importance, Given The Fact That Semi Dry Sterilized Media Is Prone To Various Micro-Bacterial And Viral Infections. We Specialize In Both Standard And Customized Models, Specifically Designed To Meet The Challenging Demands Of Various Scientists For Individual And Specialized Research Applications.

Salient Features

Steam Stock Provision
 Versatile Usage
 Stainless Steel Construction
 Ergonomic Design
 Energy Efficient
 Double Safety Radial Locking Arrangement
 Double Safety Valve Protection
 Hydraulic Testing Up To 2.5 Times The Working Pressure

Construction:

Our Horizontal Rectangular Autoclave Are Triple Walled Units. Outer Body Of Our Autoclave Is Constructed Out Of Thick Gauge Stainless Steel Sheet Of Ss-304 Grade. The Inner Chamber Is Also Made Of Heavy Gauge Stainless Steel Sheet Of Ss-304 Grade. The Middle Wall Is Also Constructed From The Strong And Sturdy Stainless Steel Sheet Of Ss-304 Grade S Stainless Steel Sheet. These Are Steam Stocking Models Connected With A Three Way Valve To Control The Sterilization Cycle Inside The Autoclave. Our Autoclaves Are Insulated By Generous Mineral Glass As Wool Insulation. The Strong Lid Constructed Out Of Thick Stainless Steel Plate Has A Double Safety Radial Locking Arrangement, Which Ensures An Easy And Smooth Opening And Closing Operation For All Our Autoclaves. The Steam Generator Of The Autoclave Is Also Constructed From Stainless Steel Sheet Of Grade SS-304. Our Horizontal Autoclaves Are Ideally Suited For Hospitals And Research Labs Where Safety Is The First Priority Of The Users, Since It Is Equipped With A

Double Safety Steam Release Valve. At The Same Time We Test All Our Autoclaves For Up To 2.5 Times The Standard Working Pressure To Ensure Maximum Safety And Protection From Any Unfortunate Incident. All Our Horizontal Autoclaves Are Supplied Complete With Pressure Gauge, Pressure Release Valve Automatic Pressure Control Switch, Vacuum Breaker And Steam Trap As A Standard Feature. The Unit Is Mounted On A Tube Stand Constructed Of High Grade Steel, Which Is Duly Pre Treated With Primers For Rust Proofing And Painted With Stove Enamel.

Heating:

The Heating Process In Our Triple Walled Vertical Autoclave Is Done Through Specially Designed Water Heaters Of Suitable Wattage To Ensure Optimum Sterilization Time In Every Sterilization Cycle.

Working Temperature:

As Per The International Standards And Guidelines Our Triple Walled Horizontal Autoclave Have A Working Temperature Of 121 Deg.C.

Working Pressure:

Working Pressure For Our Standard Dry Sterilization Model Horizontal Autoclave Is 15 psi.

Pressure Range:

The Normal Pressure Range Of Our Autoclave Is 5 psi To 20 psi

Pressure Control:

The Pressure Inside Our Horizontal Autoclave Is Controlled Through A Semi Automatic Electro Mechanical Device Called Piezostat, Which Controls The Pressure Inside The Chamber And Cuts Of The Current From The Heater Whenever The Pressure Exceeds The Set Pressure Value Of The Autoclave, Thus Making It Very Safe And Energy Efficient.

Size Inside Chamber : (Dia x Depth)

600×600×1200mm
 600×900×1200mm
 900×900×1500mm

Autoclave Portable

Seamless Construction From Extra Thick Aluminium Sheet Body & Lid For More Safety And Life Long Performance, Anti-Bulging & Fuel Saver Base For Additional Strength, Fuel Saving And Time Saving Depression At Centre Of Lid For Additional Strength, Gasket Isi Marked Food Grade Synthetic Rubber Gasket For Better Reliability, Hygiene & Longer Life, Gasket Release System For Extra-Safety, Colour-Coded Pressure Gauge To Indicate The Safe And Danger Zones, Safety Valve For Longer And Error-Free Performance, Vacuum Release & Steam Release Valves Made Of Stainless Steel For Longer Life And Avoid Toxic Deposits On Valves Due To Oxidation. Heating Element Isi Marked Element Made Of Thick And Heavy Copper Pipe With Chrome Plating, Electric Cable Specially Designed Rubber Cable To Comfortably Bear The Heating Load. Handles Made From Heat Resistant, Impact Tolerant, Finest Quality Bakelite Fitted With Stainless Steel Screws And Spring Washers To Avoid Loosening Of Handles.

Technical Specifications & Ordering Informations

MOC	Anodized Aluminum			
Internal Size	300x300mm	300x350mm	300x400mm	300x450mm
Capacity	22 L	25 L	30 L	33 L
Heater Load	2.0 KW	2.0 KW	2.0 KW	2.0 KW
Gasket	Silicon			
Pressure Gauge	0-2.1 Kgf/Cm ² (30 psi)			
Sterilizing Pressure	0-2.1 Kgf/Cm ² (15 psi) At 121°C.			
Electrical Supply	220/230v Ac, 50/60hz			

Ball Mill

Ball Mill Offered By Us Is Used For Any Type Of Grinding, Milling And Pulverizing. Its Versatile And Multi Functional Design Allows Us To Handle Fibrous, Brittle, Dry Or Wet Materials. The Ball Mills Are Available With The Geared Motor.1kg, 2kg, 5kg Of Capacity And 80 RPM Speed. Mill Jar Is Made Of Stainless Steel.

Roller Mixer

This Is An Equipment To Make Blood Homogeneous. This Is Shack-Less And Gentle Mixing Process. It Is Essential Pre-Process For Perfect Result Of Rbc, Wbc And Platelets Counting On Hematology Analyzer.

Roller Size	4 Nos. x 230 mm Long/4 Nos. x 340 mm Long
RPM	30 RPM/ 36 RPM
Mixing Time	15 To 20 Minutes
Weight	2.0 Kg. Net
Capacity	Vaccutainer 6 Nos.(4ml) Or 5ml x 15 Nos
Electric Supply	220/230v Ac, 50/60hz

B.O.D. Incubator Export Model

Double Walled Outer Construction Of Mild Steel Epoxy Coated Paint, Inner Chamber Of Highly Polished Stainless Steel Sheet, Inner Chamber Has Door Operated Illumination, 2 Compartments With Stainless Steel Removable And Adjustable Shelves, Forced Air Circulation Is Equipped With Best Quality Motor Blower With Air Ducting System For Positive Air Flow For Constant Room Temperature In The Chamber. Puff Insulation Is Given Between The Inner And Outer Walls To Prevent Thermal Loss. Equipment Is Fitted With Hermetically Sealed Compressor With Relay Guard, Heat Exchanger, Filled With Eco-Friendly Cfc Free Refrigerant. It Is Provided With 2 Doors With Inner Full Length Transparent Door. Main Door Is Double Walled Puff Insulated Inner Stainless Steel And Fitted With Heavy Sturdy Hinge And Magnetic Gasket, Lock & Key. Automatic Temperature Control By Digital Temperature Controller Cum Indicator With Pt.100 Sensor. The Equipment Has Wheels For Easy Mobility. Temperature Range Is 5°C To 50°C +/- 0.5°C.

Technical Specifications & Ordering Informations

Type	Forced Convection Type
Freezer Compressor	Hermetically Sealed Air Cooling Compressor System

Temperature Range	5°C-60°C +/-0.5°C			
MOC Outer	Mild Steel			
MOC Inner	Stainless Steel			
Insulation	PUF			
Temperature Controller	Digital Temperature Controller Cum Indicator			
Size Inner (WxDxH)	455x410x610mm	505x415x830mm	570x550x875mm	650x580x900mm
Capacity	112 L	171 L	280 L	340 L
Volume	4 Cft	6.1 Cft	10 Cft	12 Cft
No. Of Shelves	2	2	2	3
Electric Supply	220/230v Ac, 50/60Hz			

B.O.D. Incubator

Double Walled Outer Construction Of Mild Steel Epoxy Coated Paint, Inner Chamber Of Highly Polished Stainless Steel Sheet, Inner Chamber Has Door Operated Illumination, 2 Compartments With Stainless Steel Removable And Adjustable Shelves, Forced Air Circulation Is Equipped With Best Quality Motor Blower With Air Ducting System For Positive Air Flow For Constant Room Temperature In The Chamber. Puff Insulation Is Given Between The Inner And Outer Walls To Prevent Thermal Loss. Equipment Is Fitted With Hermetically Sealed Compressor With Relay Guard, Heat Exchanger, Filled With Eco-Friendly Cfc Free Refrigerant. It Is Provided With 2 Doors With Inner Full Length Transparent Door. Main Door Is Double Walled Puff Insulated Inner Stainless Steel And Fitted With Heavy Sturdy Hinge And Magnetic Gasket, Lock & Key. Automatic Temperature Control By Digital Temperature Controller Cum Indicator With Pt.100 Sensor. The Equipment Has Wheels For Easy Mobility. Temperature Range Is 5°C To 50°C +/- 0.5°C.

Technical Specifications & Ordering Informations

Type	Forced Convection Type			
Freezer Compressor	Hermetically Sealed Air Cooling Compressor System			
Temperature Range	5°C-60°C +/-0.5°C			
MOC Outer	Mild Steel			
MOC Inner	Stainless Steel			
Insulation	PUF			
Temperature Controller	Digital Temperature Controller Cum Indicator			
Size Inner (WxDxH)	455x410x610mm	505x415x830mm	570x550x875mm	650x580x900mm
Capacity	112 L	171 L	280 L	340 L
Volume	4 Cft	6.1 Cft	10 Cft	12 Cft
No. Of Shelves	2	2	2	3
Electric Supply	220/230v AC, 50/60hz			

Bomb Calorimeter

Bomb Calorimeter Outfit Provide A Simple And Inexpensive Method For Determination Of Heat Of Combustion Of Organic Matter And The Calorific Value Sulphur Content Of Solid & Liquid Fuel. The Outfit Supplied Is Complete For Analysis As Per The Method Recommended By British Standard Institution Bs 1016. All Parts Of The Outfit Have Been Finished And Tested According To The Specification Laid Down By Institute Of Petroleum And British Standard Institute. It Is Supplied With Digital Firing Unit, With Digital Differential Thermometer, Calorimeter Vessel With Bomb Support, Water Jacket, Combined Lid For Calorimeter Vessel And Water Jacket, Stirrer, Connecting Leads, Connecting Tube To Connect Bomb And Pressure Gauge, Connecting Tube With Fine Adjustment Valve To Connect Pressure Gauge, Pressure Gauge On Stand, Spanner For Oxygen Tube Connection. Ignition Wire (2 Meters Nichrome Wire), Cotton Reel, Stand For Bomb Lid. Hook For Lifting Bomb, Stainless Steel Crucible, Gas Release Valve, Vibrator, Benzoic Acids. 'O' Ring Big, 'O' Ring Small, 'O' Ring For Stirrer Valve For Bomb, Valve Key & Gelatin Capsule. Instruction Manual. Electric Supply 220/230v AC, 50/60Hz

Testing Of Bomb

Bomb Is Made Of Ss 316. Each Bomb Is Tested Before It Leaves The Factory In Accordance With The Requirement Of The Institute Of Petroleum (I.P. 12/63 T. Appendix 1)

Calorimeter Vessel :

The Vessel Is Made Of Copper And Is Chromium Plated Or S.S. It Includes A Bomb Support That Ensures Proper Positioning Of Bomb In The Vessel.

Water Jacket :

The Outer Container Of Jacket Is Made Of Copper And Is Chromium Plated Both Inside And Outside Or S.S. The Is Closed By An Ebonite Cover. A Terminal Block Is Fitted To The Of The Container So That Connection Can Be Made From The Firing Control.

Off Set Stirrer :

The Stirring Mechanism Supplied Gives Sufficient Turbulence For Effective Stirring Whilst No Heat Is Imparted To The Calorimeter Water. It Consists Of An Impeller Stirrer Driven At A Constant Speed Of Approximately 800 R.P.M. The Offset Arrangement Whereby The Motor Drives The Impeller Via A Belt Precludes Any Possibility Of Heat Transference Between Motor And Calorimeter Vessel Contents.

Temperature Indication	3½ Digit Digital Display
Differential Temperature	Range 0 - 10° C

Reading Accuracy Of Temperature 0.01° C
 LED Indication For Filament Continuity And Bomb Combustion

Crucible :

Various Types Of Crucible Are Available The Standard Supplied With The Outfit Being A Stainless Steel Crucible Of 8 Ml Capacity Which Fits In The Standard Support Ring Provided With The Outfit.

C.O.D. Digestor

C.O.D. Is Compact Instrument, Can Accommodate 6/15 Samples Test At A Time And It Saves Your Precious Space Of Laboratory. Need No Water Circulation. Fitted With Timer And Buzzer. Temp. Range Ambient + To 180 Deg C. Microprocessor Based Digital Temperature Controller Cum Indicator, Digital Timer, Supplied With 6/15 Bottles Of 40mm, Dia. And Air Condensers, Racks, Electric Supply 220/230v AC, 50Hz.

Block Digestor

Block Digestor Is Compact Instrument, Can Accommodate 6/15 Samples Test At A Time And It Saves Your Precious Space Of Laboratory. Need No Water Circulation. Fitted With Timer And Buzzer. Temp. Range Ambient + To 180 Deg C. Microprocessor Based Digital Temperature Controller Cum Indicator, Digital Timer, Supplied With 6/15 Bottles Of 40mm, Dia. And Air Condensers, Racks, Electric Supply 220/230v AC, 50Hz.

Centrifuge Machine

Dome Type, Max. Speed 3500 Rpm, Max Rcf 1900, 15ml Tube Size, 8x15ml Swing Out Rotor Head, 5 Step Speed Regulator, Electric Supply 220/230v AC, 50Hz.

Circulating Cooling Water Bath

Outer Body Made Of Mild Steel Sheet Powder Coated. Inner Bath Chamber & Lid Made Of Stainless Steel. Space Between Inner And Outer Chamber Filled With Puf Insulation. Microprocessor Based Pid Digital Temperature Indicator-Cum-Controller, Circulation Pump With 15 LPM Capacity, Use Absolute Alcohol For Temperature Ranged Below +5°C. Electric Supply 220/230v AC, 50Hz.

Technical Specifications & Ordering Informations

Temperature Range	Cooling Bath Volume	Cooling Medium	Cooling Medium
Ambient To 0°C	13 L	Above +5 °C Water	Below + 5 °C Absolute Alcohol
Ambient To -10°C	13 L	Water	Absolute Alcohol
Ambient To -20°C	13 L	Water	Absolute Alcohol
Ambient To -30°C	13 L	Water	Absolute Alcohol
Ambient To 0°C	23 L	Water	Absolute Alcohol
Ambient To -10°C	23 L	Water	Absolute Alcohol
Ambient To -20°C	23 L	Water	Absolute Alcohol

Circulating Heating Water Bath

Double Walled Construction, Outer Chamber Is Made Of Mild Steel Duly Powder Coated, Inner Bath Chamber & Lid Made Of Stainless Steel Space Between The Wall Is Fitted With Mineral Wool In Order To Avoid Thermal Losses, Drain Plug Is Also Fitted To The Unit, Controls Temperature Within An Accuracy Of ±0.5°C, The Unit Is Supplied With Stirring Arrangement, The Stirring Arrangement Consists Of A Fhp Motor With S.S. Stirring Shaft.

Technical Specifications & Ordering Informations

Inner Size (LxWxD)	300x250x175mm	330x300x175mm	455x300x175mm	605x300x175mm
No. Of Racks To Hold	2	4	6	8
Capacity	14 Ltrs	18 Ltrs	25 Ltrs	32 Ltrs
Heating Load	1.5 KW	2.0 KW	2.0 KW	4.0 KW
Temperature Controller	Microprocessor Based Pid Digital Temperature Indicator-Cum-Controller			
Stirring Device	With Stirring Arrangement With The Help Of Fhp Stirrer			
Temperature Range	Ambient +5°C - 97°C ±0.5°C.			
Insulation	Mineral Wool			
Diffuser Shelf	Perforated Cover Of Stainless Steel			
Electrical Supply	220/230v Ac, 50/60hz			

Colony Counter

Mild Steel Construction Powder Coated Suitable Magnifying Lens Along With Counting Plate, Writing Pen, Glare Free Lighting System, Counting Plate Illuminated Standard Wolfhugel Ruling Ensures Clearly Differentiated And Sharply Defined Colonies. Each Touch Of Marking Pencil In The Petri Dish Increments The Colony Count By '1' And The Flowing Led Digital Depicts The Total Colony Count. Maximum [Colony Count](#) Possible Upto 9999 (4 Digital Display). Provided With A Manual Reset Of Digital Display. Electric Supply 220/230 Volts, 50/60 Hz Ac

Ultra Low Temperature Deep Freezer 400 Liter Horizontal – 20 Deg.C

Cooling Coils Are Placed Between Foamed-In-Place Puf Insulation And Inner Side Of Stainless Steel Chamber Eliminating Any Chances Of Frost Formation On The Evaporator Which Leads To Choking Of Compressor/Condensing Unit. High Density Foamed-In-Place Polyurethane Foam (Puf) Insulation For Minimal Cooling Losses. Evenly Spread Evaporator Accounts For Higher Temperature Uniformities Throughout The Cooling Chamber. Specially Designed Deep Freezer Horizontal Latches To Keep The Door Tightly Locked Eliminating Chances Of Any Cooling Loss. Outer Made Of Powder Coated Crc Steel Sheet. Inner Chamber And Trays Made Of Stainless Steel (SS-304).Caster Wheel Mounted For

Easy Mobility. Eco Friendly Compressor With Cfc-Free Refrigerant. Fitted With Microprocessor Based Digital Temperature Indicator-Cum-Controller With In-Built Hi/Low Temperature Deviation Alarm. Temperature Up -20 Deg.C. Electric Supply 220/230 Volts, 50/60 Hz Ac

Dry Bath Incubator

Temperature Range Ambient To 100° C.
 Temperature Can Be Set In The Increments Of 0.1° C.
 Microprocessor Control With Digital Performance For Precise, Accurate Control.
 Block Holder With 24 Wells For 1.5ml Vials.
 Accuracy +/- 0.5° C.
 Electric Supply 220/230 Volts, 50/60 Hz Ac

Environmental Test Chamber

Double Walled Door And A Full View Inner Plexi-Glass Door Enables Inspection And Monitoring Of Inner Chamber Specimens Without Disturbing The Process Temperature. Magnetic Door Gasket For External Door, Perforated Adjustable Shelves. Forced Air Circulation At Back By Coaxial Blower, Maintains Optimum Temperature Uniformity And Homogeneity. Puf Insulation Ensures Thermal Stability And Reduces Electrical Energy Consumption. Caster Wheel Mounted For Easy Mobility. Front Double Walled Door Is Provided With Lock And Key Arrangement. Door Operated Illumination Lamp Is Fitted Inside The Chamber For Easy Visibility. Finned Tube Evaporator Facilitates Uniform And Faster Cooling Effects. Safety Thermostat To Prevent Over Heating. Exterior Illumination With The Help Of Fluorescent Lamps Tubes Accounts For Artificial Daylight Conditions.

Technical Specifications & Ordering Informations

Type	Forced Convection Type			
Compressor	Hermetically Sealed			
Temperature Range	Ambient 5°C - 60°C ±1°C			
Humidity	By Steam Process			
Humidity Range	5% Above Ambient From 55% To 95% Rh+5%Rh At Cool Temperatures.			
MOC Outer	Mild Steel Sheet Powder Coated			
MOC Inner	Stainless Steel			
Safety	Thermostat			
Illumination	Exterior Illumination With Fluorescent Tubes			
Controller	Microprocessor Based Temperature-Humidity Controller			
Timer	Programmable			
Illumination Exterior	Illumination With 5 Levels Light Control (0%,25%,50%,75% And 100%)			
Size Inner(Wxdxh)	455x410x610mm	505x415x830mm	570x550x875mm	650x580x900mm
Capacity	112 Liters	171 Liters	280 Liters	336 Liters
Volume	4 Cft	6.1 Cft	10 Cft	12 Cft
Electrical Supply	220/230v Ac, 50/60hz			

Fan Filter Unit

Fan Filter Unit Can Be Used By Connecting Module. It Is Widely Used At The Occasion Such As Clean Room, Clean Bench , Clean Production Line And Partial Class 100 Clean Room. The Fan Filter Unit Adopts Centrifugal Fan Which Is Durable, Low Vibration And Noise , Stable Capability And Air Velocity. It Is Suitable To Assemble The Production Line. The Material Is Stainless Steel/GI Power Coated, Anti-Corrosive And Prevent From Rust.

Technical Specification

Fan Run (R/Min)	1395
Air Velocity Of Fan	1260
Noise (Db)	Less Than 60db
Face Velocity	Average Velocity >=0.45m/S
External Dimension	1225x615x350mm
Internal Dimension	1220x610x70mm
Hepa Filter Efficiency	99.99 %@ 0.3um
Prefilter Efficiency	75%
Material	GI Power Coated/ Stainless Steel
Electric Supply	220/230 Volts, 50/60 Hz Ac

Flocculator

This Equipment Has Been Designed For Flock Formation Tests In Water. This Equipment Saves Expense By Putting An End To Unnecessary Chemical Waste. The Two Paddle Stirrer Helps You Determine The Exact Amount Of Input Required To Trigger Flocculation. The Stirrer Speed Can Be Easily Regulated Up To 200 Rpm Or Better. Stirrers Are Provided To Stir Samples Simultaneously. Stirring Paddles Are Attached To Steel Rods That Permit The Adjustment Of The Paddle Heights. The Housing Is Made Of Mild Steel Sheet Powder Coated / Stainless Steel. All The Paddles Are Controlled By Switch, Digital RPM Meter, Speed Regulator, And Digital Timer. Available In 2/4/6 Stirrers, Supplied With Glass Beakers, Electric Supply 220/230 Volts, 50/60 Hz Ac_

Jar Test Apparatus

This Equipment Has Been Designed For Flock Formation Tests In Water. This Equipment Saves Expense By Putting An End To Unnecessary Chemical Waste. The Two Paddle Stirrer Helps You Determine The Exact Amount Of Input Required To Trigger Flocculation. The Stirrer Speed Can Be Easily Regulated Up To 200 Rpm Or Better. Stirrers Are Provided To Stir Samples Simultaneously. Stirring Paddles Are Attached To Steel Rods That Permit The Adjustment Of

The Paddle Heights. The Housing Is Made Of Mild Steel Sheet Powder Coated / Stainless Steel. All The Paddles Are Controlled By Switch, Digital RPM Meter, Speed Regulator, And Digital Timer. Available In 2/4/6 Stirrers, Supplied With Glass Beakers, Electric Supply 220/230 Volts, 50/60 Hz Ac_

Freez Dryer

Stainless Steel Construction, With Perspex See Through Lid, Gasket And Microprocessor Based Digital Temperature Controller Cum Indicator For Measurement Of Temperature, Vacuum Indicator, Hermetically Sealed Compressor, Fitted With 100 Liters/ Min Rotary Vane Type Vacuum Pump Of Double Stage With Air Ballast Having Ultimate Vacuum Of 1x10-3 Torr On Pump Head, Puf Insulated, Between Outer And Inner Chamber For Minimal Thermal Losses. Condenser Trap All Non-Magnetic Stainless Steel Fabricated, Argon Arc Welded, Dished-Bottom For Complete Effluent Removal. Refrigeration Coils Made Of Copper Bonded To Outside Of Condenser Heavily Insulated. Temp. Up To (-) 40° C At Ambient Temperature Of 20° C Is Maintained Through A Microprocessor Based Digital Temperature Indicator Cum Controller. Vacuum Drum Has 6 Or 12 Port Manifold (Main Drying Chamber) Made Of Stainless Steel Non-Magnetic Grade With Perspex Top Cover.

Technical Specifications & Ordering Informations

Capacity	3.25 Ltrs	5.25 Ltrs
MOC	All Stainless Steel	
Vacuum Drum Size (Diaxheight)	22.5 cm X 25.5 cm	
Temperature Range	Upto -40°C (At Ambient Temperature Of 20°C)	
Temperature Control	Microprocessor Based Digital Temperature Controller Cum Indicator	
Vacuum Indicator	Electronic Piani Gauge	
Drying Ports	6/12	
Vacuum Pump	Double Stage With Air Balast Ultimate Vacuum 1 X 10-3 Torr	
Electrical Supply	220/230v Ac, 50/60hz	

Lypholizer

Stainless Steel Construction, With Perspex See Through Lid, Gasket And Microprocessor Based Digital Temperature Controller Cum Indicator For Measurement Of Temperature, Vacuum Indicator, Hermetically Sealed Compressor, Fitted With 100 Liters/ Min Rotary Vane Type Vacuum Pump Of Double Stage With Air Ballast Having Ultimate Vacuum Of 1x10-3 Torr On Pump Head, Puf Insulated, Between Outer And Inner Chamber For Minimal Thermal Losses. Condenser Trap All Non-Magnetic Stainless Steel Fabricated, Argon Arc Welded, Dished-Bottom For Complete Effluent Removal. Refrigeration Coils Made Of Copper Bonded To Outside Of Condenser Heavily Insulated. Temp. Up To (-) 40° C At Ambient Temperature Of 20° C Is Maintained Through A Microprocessor Based Digital Temperature Indicator Cum Controller. Vacuum Drum Has 6 Or 12 Port Manifold (Main Drying Chamber) Made Of Stainless Steel Non-Magnetic Grade With Perspex Top Cover.

Technical Specifications & Ordering Informations

Capacity	3.25 Ltrs	5.25 Ltrs
MOC	All Stainless Steel	
Vacuum Drum Size (Diaxheight)	22.5 cm X 25.5 cm	
Temperature Range	Upto -40°C (At Ambient Temperature Of 20°C)	
Temperature Control	Microprocessor Based Digital Temperature Controller Cum Indicator	
Vacuum Indicator	Electronic Piani Gauge	
Drying Ports	6/12	
Vacuum Pump	Double Stage With Air Balast Ultimate Vacuum 1 X 10-3 Torr	
Electrical Supply	220/230v Ac, 50/60hz	

Fume Hood Table Top Model

Fume Hood Is Developed To Be Used As Semi Closed Ventilated Enclosures So As To Protect The User From Harmful And Toxic Fumes And Vapors And To Eliminate The Possibility Of Accidental Fire, Which May Be Resulted Due To The Emission Of Inflammable Gases During The Course Of A Given Experiment. Hence The Material Of Construction Of All Our Fume Hoods Are Carefully Chosen Between Industrial Grade Commercial Wooden Board Covered With Laminated Sheets / Mild Steel Powder Coated / Stainless Steel. (Option) Lined Completely With FRP Lining. The Work Table Is Made Of Granite. Fume Hood Is Provided With Sliding Sash Made Out Of Glass Duly Framed With Sliding Motion And Counter Weight Balanced Mechanism. Our Units Ensure Minimum Illumination Level Of Approx 800 Lux On The Work Table. The Unit Is Equipped Very Diligent Heavy Duty Exhaust System, Comprising Of Dynamically Balanced Centrifugal Impeller With High Speed Motor Of Approx 1440 Rpm. Electrical Supply 220/230v Ac, 50/60hz

Technical Specification & Ordering Informations

Size Working (L x D x H)

600x600x600mm	00x600x600mm	1200x600x600mm	1500x600x600mm	1800x600x600mm
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Fume Hood

Fume Hood Is Developed To Be Used As Semi Closed Ventilated Enclosures So As To Protect The User From Harmful And Toxic Fumes And Vapors And To Eliminate The Possibility Of Accidental Fire, Which May Be Resulted Due To The Emission Of Inflammable Gases During The Course Of A Given Experiment. Hence The Material Of Construction Of All Our Fume Hoods Are Carefully Chosen Between Industrial Grade Fire Resistant Commercial Wooden Board Covered With Laminated Sheets. The Work Table Is Made Of Granite. The Work Bench Is Provided With A Small Sink. Fume Hood Is Provided With Sliding Sash Made Out Of Glass Duly Framed With Sliding Motion And Counter Weight Balanced Mechanism. Our Units Ensure Minimum Illumination Level Of Approx 800 Lux On The Work Table. The Unit Is Equipped Very Diligent Heavy Duty Exhaust System, Comprising Of Dynamically Balanced Centrifugal Impeller With High Speed Motor Of Approx 1440 Rpm. Electrical Supply 220/230v Ac, 50/60hz

Size Working (L x D x H)

600x600x600mm 900x600x600mm 1200x600x600mm 1500x600x600mm 1800x600x600mm

Garment Sterile Cabinet

Sterile Garment Cabinet Is Widely Used For Storage Of Clean Garments For Clean Rooms. These Are Equipped With Hepa Filters And Ultraviolet Germicidal Tubes. These Are Safe And Ensures That The Garments Are Free From Bacterial Contamination. Made GI Powder Coated/ Stainless Steel 304 Grade Fitted With Perforated Storage Shelves Of Wire Mesh, Equipped With UV Germicidal Tubes, Fluorescent Tube, Hepa Filter, Prefilter, Motor Blower Assembly, Manometer, Door With Glass View. Electrical Supply 220/230v Ac, 50/60hz.

Technical Specifications & Ordering Informations

Working Area: WxDxH

600x450x900mm	600x600x900mm	900x450x1350mm
900x600x1350mm	1200x450x1350mm	1200x600x1350mm

Heating Mantle

Made Of Mild Steel Powder Coated, Mantle Spun Out Of Glass Yarn Embedded With Heating Elements, Temperature Controlled By Energy Regulator, Available In 250ml, 500ml, 1000ml, 2000ml, 3000ml, 5000ml, 10000ml Capacity Electric Supply Work On 220/230 Volts, 50/60 Hz Ac

Hot Plate Rectangular

Body Is Made Of Mild Steel Powder Coated. Top Made Of Cast Iron With Heat Resistant Paint, Fitted With Energy Regulator.

Technical Specifications & Ordering Informations

Heating Plate Size	250x300mm	250x400mm	300x455mm	455x605mm	605x605mm	605x900mm
MOC Body	Mild Steel Sheet Duly Powder Coated					
Heating Elements	Placed Underneath Insulated					
Temperature Controller	Energy Regulator					
Temperature Range	Continues Heating Up To 350°C					
Electric Supply	220/230v Ac, 50/60hz					
Size	250x300mm	250x400mm	300x455mm	455x605mm	605x605mm	605x900mm
Option :	PID Digital Temperature Controller Cum Indicator					

Hot Plate Round

Body Is Made Of Mild Steel Powder Coated. Top Made Of Cast Iron With Heat Resistant Paint, Fitted With Energy Regulator.

Heating Plate Size	20cm
Rating	1.5 Kw
MOC Body	Mild Steel Sheet Powder Coated
MOC Top Platform	Round Cast Iron Heating Plate
Heating Elements	Placed Underneath Duly Insulated
Temperature Controller	Energy Regulator
Temperature Range	Continues Heating Up To 350°C
Electric Supply	220/230v Ac, 50/ 60hz
Option :	PID Digital Temperature Controller Cum Indicator

Humidifier

Based On The Rotating Disc-Splash Plate Principal. Unit Produces Only Super Fine Particles Of Micron Size, Which Become Part Of The Atmosphere. Produced Particles Thereby Reaching Every Corner Of The Room, Resulting In Uniform Humidity. Due To The Upward Thrust Imparted To The Micron Sized Water Droplets, By High Speed Motorized Unit, They Remain Suspended In The Atmosphere For Longer Duration Of Time. Unit Is Capable Of Atomizing Upto 3 Liters Of Water In An Hour At Full Evaporation In The Driest Possible Ambient Conditions. Unit Has Body Made Up Of Stainless Steel. Provided With High Speed 2800 Rpm, Motor To Run Longer Period, And The Blades Are Aerodynamically Balanced To Ensure Dropleess Fumigation. Electric Supply 220/230v Ac, 50/ 60hz

Incinerator

Portable Incinerator Is Most Effective Bio-Medical Waste Treatment Equipment For Every Small Nursing Home, Blood Bank, Veterinary Hospital, And Poultry Farms. The Unit Is Designed For Quick And Safe Disposal. Working Principle: Furnace Type Associated With Burning Refuse. Used Simple Brick -Lined Enclosures.

Construction:

Combustion Chamber Is Well Insulated And Has High Temperature Safe Dozing And Exhaust System. It Has Long And Safe Treatment Of Flue Gases For Safe Disposal Through Long Stack. Temperature Of Burning Chamber Upto 850°C And For Secondary Chamber 1000°C.

Technical Specifications:

Heaters/Elements : Made Of A-1 Kanthal Wire (14 Gauge) For Primary Chamber & (17 Gauge)ForSecondaryChamber.

Insulation : Strong Insulation Is Done With Combination Of Insulating Bricks & Silicon Fiber Insulating Blanket To AvoidAnyHeatLoss.

Front Loading Type : It Is Portable In Nature, Which Can Easily Placed In A Small Space In A Corner Of Building.

Consisting Of Dual Chamber: Works On Thermal Destruction Using Controlled Combustion Chamber; Combustion Is Controlled And Provides Enough Heat To Destroy The Waste Into Disposable State.

Door: Fitted With Hinges & Handle For Proper Sealing To Avoid Heat Loss.

Temperature: Temperature Of Primary/Burning Chamber Up To 850 Deg. C And For Secondary Chamber 1000 Deg. C.

Portable: Whole Unit Is Mounted On Sturdy Wheels

Control Panel

Control Panel Consists Of 2 Nos Of Micro Processor Controlled Electronic Digital Temperature Controller Cum Indicators, Main Line Indicator: "Red Color" Neon Light Will Glow 'On' Shows That The Current Is Coming To The Oven. Load Indicator: "Green Color" Neon Light Glows When Supply To Heaters Are 'On'. Rotary Switches: To Start The Machine. M.C.B For Safety.

Capacity KW
5/10 Kg 12/18 Kw

Supplied With 5 Ft Length Chimney Water Jacketed Chimney.

Incubator Export Model

Mild Steel Sheet Powder Coated. Inner Chamber And Perforated Trays Made Of Stainless Steel, Insulated With Mineral Wool. Door Fitted With Handle. Door Gasket Made Of Neoprene Rubber And Glass Viewing Window To Inspect Samples Without Disturbing Temperature. Air Ventilators Are Provided On The Sides Of The Unit.

Technical Specifications & Ordering Informations

Inner Size (WxDxH)	355x355x355mm	455x455x455mm	605x605x605mm	605x605x910mm
Capacity	45 L	95 L	224 L	336 L
Heat Load	0.50 Kw	1.00 Kw	1.50 Kw	1.50 Kw
No. Of Shelves	2	2	2	3
Insulation	Mineral Wool			
Temperature Range	Few Degrees Above Ambient - 70°C+/-1°C			
Temperature Control	Digital Temperature Controller Cum Indicator			
Air Circulation	By Blower Motor			
Electrical Supply	220/230v Ac, 50/60hz			

Incubator

Mild Steel Sheet Powder Coated. Inner Chamber And Perforated Trays Made Of Stainless Steel, Insulated With Mineral Wool. Door Fitted With Handle. Door Gasket Made Of Neoprene Rubber And Glass Viewing Window To Inspect Samples Without Disturbing Temperature. Air Ventilators Are Provided On The Sides Of The Unit.

Technical Specifications & Ordering Informations

Inner Size (WxDxH)	355x355x355mm	455x455x455mm	605x605x605mm	605x605x910mm
Capacity	45 L	95 L	224 L	336 L
Heat Load	0.50 Kw	1.00 Kw	1.50 Kw	1.50 Kw
No. Of Shelves	2	2	2	3
Insulation	Mineral Wool			
Temperature Range	Few Degrees Above Ambient - 70°C+/-1°C			
Temperature Control	Digital Temperature Controller Cum Indicator			
Air Circulation	By Blower Motor			
Electrical Supply	220/230v Ac, 50/60hz			

Industrial Drying Oven

Semi Triple Walled, Outer Body Made Of Mild Steel Sheet Duly Powder Coated. Inner Chamber And Perforated Trays Made Of Stainless Steel. Space Between Inner Chamber And Outer Wall Is Filled With High Grade Mineral Wool For Minimal Heat Dissipation. Air Ventilators Are Also Provided On Top Of The Unit. Bigger Sized Units Mounted On Caster Wheels For Easy Portability. Door Fitted With Heavy Duty Hinges And Door Handle Ensuring There Are No Leakages Through The Door Gasket. Fitted With Air Circulation Fan. Door Gasket Made Of Asbestos On The Door, Adjustable Shelves.

Technical Specifications & Ordering Informations

Inner Size (WxDxH)	605x605x605mm	605x605x910mm	910x910x910mm	1500x1500x1500mm
Capacity	224 L	336 L	795 L	3562 L
No. Of Shelves	2	3	4	6
Temp. Range	50°C - 300°C +/-3°C			
Moc Inner	Stainless Steel			
Moc Outer	Mild Steel Sheet Powder Coated			
Circulation	Forced Air Circulation By ¼ / ½ Hp Motor & Axial Flow Fan			
Insulation	Mineral Wool			
Type	Forced Convection System.			
Temperature Controller	Digital Temperature Controller Cum Indicator			
Electrical Supply	220/230v Ac, 50/60hz			

Industrial Drying Oven Trolley Model

Outer Body Made Of Mild Steel Sheet Duly Powder Coated. Inner Chamber And Perforated Trays Made Of Stainless Steel. Space Between Inner Chamber And Outer Wall Is Filled With High Grade Mineral Wool For Minimal Heat Dissipation. Air Ventilators Are Also Provided On The Top Of The Unit. Bigger Sized Units Mounted On Caster Wheels For Easy Portability. Door Fitted With Heavy Duty Hinges And Door Handle Ensuring There Are No Leakages Through The Door Gasket. Fitted With Air Circulation Fan. Door Gasket Made Of Neoprene Rubber/Asbestos On The Double Walled Door, Adjustable Shelves.

Technical Specification & Ordering Informations

Inner Size (WxDxH)	605x605x605mm	900x900x900mm	1200x1200x1200mm
Temp. Range	Ambient + 5 Deg.C To 250 Deg.C +/- 2 Deg.C.		
Temperature Controller	Microprocessor Based PID		

Temperature Regulation	1 Deg.C
Double Walled	Mild Steel
Trolley	Mild Steel Powder Coated
MOC Inner	Stainless Steel 304
MOC Outer	Mild Steel Sheet Powder Coated
Insulation	Mineral Wool
Air Circulation	Fan Motor Blower
Temp.Safety Device	Thermostat
Type	Forced Convection System.
Door	1/2 Doors
Door Gasket	Asbestos
Air Ventilation	At Top
Temperature Controller	Digital Temperature Controller Cum Indicator
Mobility	Wheels
Electrical Supply	1 Phase 220 V AC /3 Phase 440 V Ac

Infra Red Moisture Balance

Instrument For An Accurate Determination Of Moisture Contents Of Materials Which Do Not Under Go Chemical Change. When Exposed To Infrared Radiation, Drying And Weighing Of The Sample Is Done Simultaneously. Useful For Substance Which Quickly Reabsorb Moisture After Drying Observations Can Be Taken Quickly. The Instrument Is Utilized For Determination Of Moisture Contents Of Agricultural, Soils, Foods, Tobacco, Tea, Fiber, Seed, Chemicals, Plastics, Pharmaceuticals, Construction Soils, Liquid Soap, Paper, And Other Similar Materials. Directly Calibrated In Moisture Percentage. Accuracy 0.2% By Direct Reading & 0.1% By Estimation. Capacity 5gm,10gm, 25gm, 50gm. Electric Supply Work On 220/230 Volts, 50/60 Hz Ac__

Kjeldhal Digestion

Made Of Mild Steel Powder Coated, Mantle Type Heaters, With Energy Regulator, 3 Or 6 Tests With Glass Parts And Duct. It Is Very Useful For Estimation Of Nitrogen Content In The Substance By Digestion For 300 & 500ml Capacity Flasks. Electric Supply Work On 220/230 Volts, 50/60 Hz Ac

Kjeldhal Distillation

Made Of Mild Steel Powder Coated, Mantle Type Heaters, With Energy Regulator, 6 Tests With Glass Parts And Metal Condenser, 300 & 500ml Capacity Flasks. Supplied With Clamps And Rubber Tubing. Electric Supply Work On 220 Volts AC , 50/60 Hz __

Laboratory Oven Export Model

Outer Body Made Of Mild Steel Sheet Duly Powder Coated. Inner Chamber And Perforated Trays Made Of Stainless Steel. Space Between Inner Chamber And Outer Wall Is Filled With High Grade Mineral Wool. Air Ventilators Are Also Provided On The Sides Of The Unit. Door Fitted With Heavy Duty Hinges And Door Handle Ensuring There Are No Leakages Through The Door Gasket. Fitted With Air Circulation Fan. Synthetic Door Gasket Made Of Neoprene On The Double Walled Door, Adjustable Shelves.

Technical Specifications & Ordering Informations

Inner Size (WxDxH)	355x355x355mm	455x455x455mm	605x605x605mm	605x605x910mm
Capacity	45 L	95 L	224 L	336 L
Heater Load	0.75 KW	1.50 KW	2.25 KW	2.25 KW
No. Of Shelves	2	2	2	3
Temperature Range	50°C - 250°C +/-2°C			
Insulation	Mineral Wool			
Safety Device	Thermostat			
Type	Forced Convection System.			
Temperature Controller	Digital Temperature Controller Cum Indicator			
Electrical Supply	220/230v Ac, 50/60 Hz			

Laboratory Oven

Outer Body Made Of Mild Steel Sheet Duly Powder Coated. Inner Chamber And Perforated Trays Made Of Stainless Steel. Space Between Inner Chamber And Outer Wall Is Filled With High Grade Mineral Wool. Air Ventilators Are Also Provided On The Sides Of The Unit. Door Fitted With Heavy Duty Hinges And Door Handle Ensuring There Are No Leakages Through The Door Gasket. Fitted With Air Circulation Fan. Synthetic Door Gasket Made Of Neoprene On The Double Walled Door, Adjustable Shelves.

Technical Specifications & Ordering Informations

Inner Size (WxDxH)	355x355x355mm	455x455x455mm	605x605x605mm	605x605x910mm
Capacity	45 L	95 L	224 L	336 L
Heater Load	0.75 Kw	1.50 Kw	2.25 Kw	2.25 Kw
No. Of Shelves	2	2	2	3
Temperature Range	50°C - 250°C +/-2°C			
Insulation	Mineral Wool			
Safety Device	Thermostat			
Type	Forced Convection System.			
Temperature Controller	Digital Temperature Controller Cum Indicator			
Electrical Supply	220/230v Ac, 50/60h			

Laminar Air Flow Cabinet (Vertical)

With Manometer, U.V.Tube, S.S. Table Top & Gas Cock., Free Air To Meet Class 100 (Class Conditions). The Cabinets Are Fabricated Out Of Thick Board Duly Sunmica Clad, Interior Surfaces Are Painted For Its Longer Life. The Work Table Is Made Out Of Thick Board Which Is Sunmica Clad At Top. Side Panels Are Made Out Of Thick Transparent Plexi Glass Duly Framed. The Unit Is Fitted With Pre- Filter & Hepa Filter. Air Is Drawn Through Pre- Filter And Is Made To Pass Through Highly Effective Hepa Filters Having Efficiency Rating As High As 99.99% Thus Retaining All Air-Borne Particles Of Size 0.3 Micron And Larger. Using A Dynamic Machine, The Blower And The Motor Assembly Is Statically And Dynamically Balanced Motor Of 1/4 H.P. Capacity Operates With Minimum Noise Level The Working Table Provides Comfortable "Sitdown" Working Position For The Operator. To Work On 220 Volts Ac Supply. Supplied Complete With S.S. Table Top, Hepa Filter And Pre Filter And Fluorescent Illumination

Technical Specifications & Ordering Informations

Moc Cabinet	Wooden Laminated /Mild Steel Powder Coated / Stainless Steel			
Main Filter	Hepa Filter (99.97% Efficient At 0.3 Micron Particles)			
Pre-filter	Washable Synthetic Pre-Filter			
Sterilization	UV Germicidal Tube			
Illumination	Fluorescent Tube			
Front Door	Sliding Door Plexiglass			
Manometer	Analogue Type			
Size Working Bench	600x600x600mm	900x600x600mm	1200x600x600mm	1800x600x600mm
No. Of Hepa Filter	1	1	1	2
Electric Supply	230v AC, 50/60hz			

Laminar Air Flow Cabinet (Horizontal)

With Manometer, U.V.Tube, S.S. Table Top & Gas Cock., Free Air To Meet Class 100 (Class Conditions). The Cabinets Are Fabricated Out Of Thick Board Duly Sunmica Clad, Interior Surfaces Are Painted For Its Longer Life. The Work Table Is Made Out Of Thick Board Which Is Sunmica Clad At Top. Side Panels Are Made Out Of Thick Transparent Plexi Glass Duly Framed. The Unit Is Fitted With Pre- Filter & Hepa Filter. Air Is Drawn Through Pre- Filter And Is Made To Pass Through Highly Effective Hepa Filters Having Efficiency Rating As High As 99.99% Thus Retaining All Air-Borne Particles Of Size 0.3 Micron And Larger. Using A Dynamic Machine, The Blower And The Motor Assembly Is Statically And Dynamically Balanced Motor Of 1/4 H.P. Capacity Operates With Minimum Noise Level The Working Table Provides Comfortable "Sitdown" Working Position For The Operator. To Work On 220 Volts Ac Supply. Supplied Complete With S.S. Table Top, Hepa Filter And Pre Filter And Fluorescent Illumination

Technical Specifications & Ordering Informations

Moc Cabinet	Wooden Laminated /Mild Steel Powder Coated / Stainless Steel			
Main Filter	Hepa Filter (99.97% Efficient At 0.3 Micron Particles)			
Pre-filter	Washable Synthetic Pre-Filter			
Sterilization	UV Germicidal Tube			
Illumination	Fluorescent Tube			
Front Door	Sliding Door Plexiglass			
Manometer	Analogue Type			
Size Working Bench	600x600x600mm	900x600x600mm	1200x600x600mm	1800x600x600mm
No. Of Hepa Filter	1	1	1	2
Electric Supply	220v AC , 50/60hz			

Magnetic Stirrer Multiple

Mild Steel Construction Powder Coated, Stainless Steel Top That Serves As A Hot Plate. Stirring And Heating Units Are Properly Insulated, In Model With Heating System Temp. Is Controlled By An Energy Regulator, Electronic Speed Controller, Teflon Coated Paddle, With Heating System Capacity 2 Litre, Electric Supply 220 Volts, 50/60 Hz Ac

Magnetic Stirrer

Mild Steel Construction Powder Coated, Stainless Steel Top That Serves As A Hot Plate. Stirring And Heating Units Are Properly Insulated, In Model With Heating System Temp. Is Controlled By An Energy Regulator, Electronic Speed Controller, Teflon Coated Paddle, With Heating System Capacity 1 Litre, 2 Litre, 5 Litre, 10 Litre, 20 Litre. Electric 220/230 Volts, 50/60 Hz Ac

Muffle Furnace

The Outer Casing Is Made Of Mild Steel Sheet, Powder Coated. Heating Element Are Made Of Kanthal A -1 Wire And Backed By High Temperature Ceramic Wool Insulation, Which Avoids Loss Of Energy. Temperature Control Unit Consist Of Digital Temperature Indicator, Energy Regulator, Fitted In Front Of Furnace With Two Pilot Lamps, With Power Plug.

Technical Specifications & Ordering Informations

Working Chamber Size

Size Of Muffle	Rating Kw (For 1000° C)	Rating Kw (For 1200° C)
100x100x225mm	1.5	2.5
125x125x250mm	2.0	3.0
150x150x300mm	3.0	4.0
175x175x475mm	5.0	5.5
175x125x475mm	4.5	5.0
200x200x300mm	4.0	5.0
200x200x450mm	4.5	6.0
225x225x450mm	5.0	6.0
Electrical Supply	220/230v Ac, 50/60hz Or 400/440 Volts Ac.	

Orbital Shaker Heavy Duty

Mild Steel Construction Powder Coated, Stainless Steel Platform With Stainless Steel Spring Loaded Lotus Clamps To Hold Flask, Fitted With Heavy Duty Motor Having Variable Speed. Speed Can Be Controlled Through A Continuously Variable Speed Regulator Knob. Available With The Following Configurations Of Platform Size, Capacity And Number Of Flasks.

Technical Specifications & Ordering Informations

Platform Size	900mm x 900mm
MOC	Mild Steel Construction
Platform	Steel Spring Loaded Lotus Clamps To Hold Flask
Speed Control	By Speed Regulator
Speed Range	40 To 200 Digital Rpm Indication
Flask Accommodation	36 Flasks Of 1000ml
Electric Supply	Work On 220/230 Volts, 50/60 Hz Ac

Orbital Shaker

Mild Steel Construction Powder Coated, Stainless Steel Platform With Stainless Steel Spring Loaded Lotus Clamps To Hold Flask, Fitted With Heavy Duty Motor Having Variable Speed. Speed Can Be Controlled Through A Continuously Variable Speed Regulator Knob. Available With The Following Configurations Of Platform Size, Capacity And Number Of Flasks.

Technical Specifications & Ordering Informations

Platform Size	300mm x 300mm	450mm x 450mm
Moc	Mild Steel Construction	
Moc Platform	Stainless Steel Spring Loaded Lotus Clamps To Hold Flask	
Speed Control	By Speed Regulator	
Speed Range	40 To 200 Digital Rpm Indication	
Flask Accomodation	49 Flasks Of 25ml Or 36 Flasks Of 50ml Or 25 Flasks Of 100ml Or 9 Flasks Of 250ml Or 500ml	
Electric Supply	Work On 220/230 Volts, 50/60 Hz Ac	

Pass Box Dynamic

Controlling The Ingress Of Particulate Contamination Into Clean Rooms And Other Controlled Environments Is Paramount In Order To Maintain The Integrity Of Products And Processes. Personal Traffic Is The Most Important Factor Which Must Be Controlled. Pass Boxes And Transfer Hatches Are A Cost Effective Solution As They Allow Materials To Be Transferred Into The Controlled Environment Without Actual Personnel Movement. They May Also Be Used To Protect The External Environment From Egress Of Contamination, For Example, In Biological Safety Laboratory Applications.

Technical Specifications & Ordering Informations

Electromechanical Interlock Is Reliable, Maintenance Free And Maintains Clean Room Integrity By Preventing Both Doors From Being Opened At The Same Time. The Main Body Of Pass Box Is Constructed Of Stainless Steel 304 Grade. The Pass Box Internally Is Constructed Of Stainless Steel, Making The Work Zone Easy To Clean. Transparent Doors Provide A Clear View Of The Internal Chamber. Fitted With UV Lamp For Germicidal Activity. Door Opening And Closing Indication Is Provided. Dynamic Model Is Having Prefilter, Hepa Filters, Blower Motor Assembly, Electrical Supply 220/230v Ac, 50/60hz.

Size Inner:

450x450x450mm, 600x600x600mm, 600x600x900mm

Pass Box Static

Controlling The Ingress Of Particulate Contamination Into Clean Rooms And Other Controlled Environments Is Paramount In Order To Maintain The Integrity Of Products And Processes. Personal Traffic Is The Most Important Factor Which Must Be Controlled. Pass Boxes And Transfer Hatches Are A Cost Effective Solution As They Allow Materials To Be Transferred Into The Controlled Environment Without Actual Personnel Movement. They May Also Be Used To Protect The External Environment From Egress Of Contamination, For Example, In Biological Safety Laboratory Applications.

Technical Specifications & Ordering Informations

Electromechanical Interlock Is Reliable, Maintenance Free And Maintains Clean Room Integrity By Preventing Both Doors From Being Opened At The Same Time. The Main Body Of Pass Box Is Constructed Of Stainless Steel 304 Grade. The Pass Box Internally Is Constructed Of Stainless Steel, Making The Work Zone Easy To Clean. Transparent Doors Provide A Clear View Of The Internal Chamber. Fitted With UV Lamp For Germicidal Activity. Door Opening And Closing Indication Is Provided. Electrical Supply 220/230v Ac, 50/60 Hz.

Size Inner:

450mmx450mmx450mm, 600mmx600mmx600mm, 600mmx600mmx900mm

Polarimeter Polarimeter Instrument Is For Measurement Of Optical Rotations, For Study Of Polarisation Effects And For Quick And Easy Determination Between Right-Handed Sugars Such As Dextrose And Left Handed Sugar Such As Fructose. Instrument Essentially Consists Of A Pair Of Polarizers Arrange In A Straight Line, One Of Which (Analyzer) Can Be Rotated With Respect To The Other (Polarizer) And The Rotation Measured On A Divided Circle. The Analyzer Is Rotated Till It Is Crossed With The Polarizer. In This Position The Planes Of Polarization Of The Polarizer And The Analyzer, Are Mutually Perpendicular, So That There Is No Transmission Of Light Across The Pair. Now If A Tube

Containing An Optically Active Solution Is Introduced Between The Polarizer And The Analyzer, The Light Transmission Is Partially Or Wholly (If The Optical Rotation Of The Liquid Equals 90°) Resorted. The Analyzer Is Rotated Again To Obtain The No Transmission Position. This Rotation Equals The Optical Rotation Of The Liquid. Since It Is Difficult To Recognize The Actual No Transmission Position, One Is Able To Obtain A Range Only For No Transmission. The Definition Of This Range Is Quite Subjective. To Overcome This Difficulty, In Modern Polarimeters, An Extra Device Is Used. This Device Is A Half-Wave Plate, Covering Half Of The Circular Field Of View. This Plate Introduces A Certain Path Difference Between Light Waves In The Two Halves Of The Field Of View. Thus When The Analyzer Is Rotated The Intensity In One Half Of The Field Of View Is Extinguished Slightly Before The Other Half. At This Point It Is Easy To Continue Rotation Of The Analyzer To Obtain A Uniform Illumination Of The Field Of View. This Position Can Be Determined Quite Accurately And Is Used As The Desired Position. The Optically Active Substance (Solution) Is Now Introduced Between The Polarizer And The Analyzer And The Uniform, Field Of View Position Is Determined Again To Obtain The Optical Rotation Of The Liquid. The Circular Scales Are Finely Marked On A 10cm Diameter Circle Both In Angular Measure And In International Sugar Scale. The Smallest Division On Angular Scale Is 1 O Iss. The Sugar Scale Is Calibrated Between 30 O (For Levorotary Substances) And +130 O Iss. A Divided Of 0.05o (3 Minutes) On The Angular Scale And 0.1 O Iss. The Scale Is Properly Illuminated To Facilitate Reading. Length Of Tubes Is 220mm Have A Bubble Trap. Polaroid Sheets Used For Polarizing The Incident Light. Glass Circular Scale Finely Marked In Angular Degrees And Also In Iss Degrees. The Range On Iss Scale Is From 30 °+ 130°. Permanent Focus: Once The Dividing Line Is Focused For The Eye. The Focus Is Not Disturbed By Inserting Tubes Containing Solutions, Regardless Of The Nature Of Solution Or Of The Length Of The Tube Permanent Good Definition Even With Difficult Liquids Rotating Half Shadow Effect Provision For Attaching Lamp To The Instrument Thus Keeping Alignment Correct At All Times. Electric Supply Work On 220/230 Volts, 50/60 Hz Ac

Portable Clean Room

Frame Work Made Of Stainless Steel Square Pipe, Castor Wheels, Sliding Door, Unit Covered With Transparent Vinyl Fan Filter Unit Casing Made Of Stainless Steel, Fitted With Minipleat Hepa Filter, Prefilter, Motor, Exhaust System, Water Tank Covered With Perforated Sheet, With Nozzle Water Drain Downwards. Fluorescent Light, On-Off Switch. Electric Supply Work On 220/230 Volts AC , 50/60 Hz
Working Area
1500x600mm, 2400x600mm

Rotary Vacuum Evaporator

Consist Of An Evaporating Flask Rotated By A Non-Sparking Induction Motor In A Heating Water Bath. Vacuum Distillation Of Solvent At High And Low Temperature Is Achieved Quickly And Efficiently By Use Of Speed Controller. It Prevents Foaming An Vacuum And Bumping Of The Liquid. Other Application Include Vacuum Drying Of Powders And Slides. Low Temperature Vacuum Distillation Of Heat Sensitive Compounds. The Introduction Tube Permits Continuous Feed Of The Liquids Into Evaporating Flask And Also Distillation Under Controlled Atmosphere. The Evaporating Flask, Pear Shaped To Give A Larger Surface Area For Evaporation, Is Clamped To A Glass Duct Which Goes Through The Drive Unit And Protrudes 120 Mm. Into The Condenser. The Condenser Is Screwed Into The Drive Unit And Contains A Teflon Inlet Feed Tube At Its Upper End. Condenser Is Fitted With Standard B-19 Joint At Top And Spherical Joint S-35 At The Bottom For Receiver Flasks. Drive Unit With F. H. P. Motor, Speed Regulator, Heavy Cast Iron Stand With Steel Rod. Evaporating Flask 1 Liter (Approx.) With Standard B-29 Joint. Glass Duct All Glass Connector Cone With B-29, Connected Evaporating Flask And Protrudes In The Condenser. With Clip To Hold The Evaporating Flask With Glass Duct. Condenser Double Coil Condenser For Water Circulation, Fitted With Vacuum Connection And Standard S-35, Ball Joint For Receiving Flask With Condenser. Receiving Flask 1 Liter Capacity With Standard S 35 Ball Joint. Ball Joint Clamp To Hold The Receiving Flask With Condenser. High Vacuum Cock Two Way Stop-For The Feeding Tube And Vacuum Release. Water Bath Thermostat Controlled Lifting Jack. Capacity 1 Liter, 2 Liter, 3liter. Electric Supply Work On 220/230 Volts, 50/60 Hz Ac.

Seed Germinator Dual Chamber

Constructed Out Of Thick Mild Steel Sheet Powder Coated. The Inner Chamber Is Made Of Heavy Gauge Stainless Steel Sheet Of Ss-304 Grade. The Gap Between The Walls Is Puff Insulated. The Unit Is Provided With Two Doors, The Inner Door Is Made Of Thick Plexiglass, To View The Samples Without Disturbing The Temperature Of The Chamber. The Outer Door Is Made Of Mild Steel Sheet Lined With Stainless Steel From Inside. This Door Is Provided With Lock And Key Arrangement. The Unit Is Mounted On A Sturdy Steel Frame. The Unit Is Provided With Various Customized Shelves In Various Permutations And Combinations To Suit Individual Requirements. The Triple Walled Back Of Our Seed Germinator Are Provided With Air Circulation Fans For Uniform Maintenance Of The Temperature Throughout The Chamber. The Unit Is Provided With 28 Trays Stainless Steel In Two Chambers.

Technical Specifications & Ordering Informations

Type	Forced Convection Type
Compressor	Hermetically Sealed Compressor
Temperature Range	5°C To 60°C±1°C
MOC Outer	Mild Steel Sheet Powder Coated
MOC Inner	Stainless Steel
Safety Device	Thermostat
Insulation	PUF
Illumination	Exterior Illumination By Fluorescent Tubes.
Humidity	By Steam Process
Controller	Microprocessor Based Temperature-Humidity Controller
Programmable Timer	
Illumination Exterior	Illumination With 5 Levels Light Control (0%, 25%, 50%, 75% And 100%)
Size Inner (WxDxH)	555x605x910mm 555x605x910mm

Capacity	308 Ltrs	308 Ltrs
No. Of Shelves	14	14
Temperature	Ambient +5°C - 60°C In One Chamber 5°C - 60°C In One Chamber	
Or	5°C - 60°C ±1°C In Both Chamber	
Electric Supply	220/230v Ac, 50/60hz	

Seed Germinator Single Chamber

Seed Germinator Is Double Walled Convection Heated And Cooled Units. Outer Body Of Our Seed Germinator Are Constructed Out Of Thick Mild Steel Sheet Powder Coated. The Inner Chamber Is Made Of Heavy Gauge Stainless Steel Sheet Of SS-304 Grade. The Gap Between The Walls Is Puff Insulated. The Unit Is Provided With Two Doors, The Inner Door Is Made Of Thick Plexiglass, To View The Samples Without Disturbing The Temperature Of The Chamber. The Outer Door Is Made Of Mild Steel Sheet Lined With Stainless Steel From Inside. This Door Is Provided With Lock And Key Arrangement. The Unit Is Mounted On A Sturdy Steel Frame. The Unit Is Provided With Various Customized Shelves In Various Permutations And Combinations To Suit Individual Requirements. The Triple Walled Back Of Our Seed Germinator Are Provided With Air Circulation Fans For Uniform Maintenance Of The Temperature Throughout The Chamber. The Unit Is Provided With 14 Trays Stainless Steel In Single Chamber.

Technical Specifications & Ordering Informations

Type	Forced Convection Type	
Freezer Compressor	Hermetically Sealed Compressor	
Temperature Range	5°C To 60°C±0.5°C	
Humidity	Steam Process	
Humidity Range	5% Above Ambient From 55% To 95%Rh ±5%Rh At Cool Temperatures	
MOC Outer	Mild Steel Sheet Powder Coated	
MOC Inner	Stainless Steel	
Safety	Thermostat	
Insulation	PUF	
Illumination Exterior	Illumination With 5 Levels Light Control (0%, 25%, 50%, 75% And 100%)	
Timer	Programmable	
Size Inner (Wxdxh)	555x605x910mm	
Capacity	308 L	
No. Of Shelves	14	
Controller (Temperature & Humidity)	Microprocessor Based Digital Temperature Humidity Controller	
Electric Supply	220/230v Ac, 50/60 Hz	

Soxhlet Extraction Apparatus

Made Of Mild Steel Powder Coated, Mantle Type Heaters, With Energy Regulator, 3 Or 6 Tests With Glass Parts. 250ml & 500ml Capacity Flasks. Supplied With Clamps And Rubber Tubing. Electric Supply Work On 220/230 Volts, 50/60 Hz Ac__

Laboratory Stirrer

Light Duty, 4000 Rpm Ac/Dc Universal Motor With Stainless Steel Shaft & Blade Speed Regulator. Electric Supply 220/230v Ac, 50/60 Hz

Tray Drying Oven

Triple Walled Unit Built With Mild Steel Sections And Heavy Gauge Mild Steel Sheet. Mineral Wool Insulated. Interior Of Tray Dryer Is Painted With Heat Resistant Aluminium Paint. Outer Wall Is Powder Coated. Brackets To Support Drying Trays At Adjustable Height Are Provided On The Sides Of Inner Walls. Unit Is Supplied With 12, 24, 48, 96 Nos. Of Trays.

Technical Specifications & Ordering Informations

MOC Internal	Mild Steel Sheet Duly Painted With High Temperature Aluminium Paint			
MOC External	Powder Coated Mild Steel Sheet			
Heater	Tubular Air Heaters			
Temperature Range	Ambient 5°C - 200°C +/- 3°C			
Circulation	Forced Air Circulation By ¼ / ½ Hp Motor & Axial Flow Fan			
Insulation	Mineral Wool			
MOC Trays	Aluminum			
Drip Tray	Mild Steel Painted			
Door Gasket	Asbestos Packing Door			
Safety Device	Thermostat			
Inner Size (WxHxD)	430x840x915mm	915x840x915mm	965x1275x1450mm	965x1700x1450mm
Tray Capacity	12	24	48	96
Heater Load	4.0 KW	6.0 KW	10.0 KW	20.0 KW
Temperature Controller	Microprocessor Based Pid Digital Temperature Indicator-Cum-Controller			
Electric Supply	220/230v Or 400/430v, 3 Phase A.C. Supply			

U.V. Cabinet

Made From Metal Body Powder Coated Or Black Perspex Material, For Visualization Of Test Objects Under U.V. Tubes Having Long Wavelength (365nm.) And Short Wavelength (254nm) As Desired And Fluorescent Tube Is Fitted To The

Unit For Day Light Visualization, Having Individual On Off Switches, Viewing Window, Electric Supply Work On 220/230 Volts, 50/60 Hz Ac_

Vacuum Oven Export Model

Double Walled Construction, Outside Made Of Mild Steel, Powder Coated Paint, Inside Chamber Made Of Stainless Steel , Having Stainless Steel Shelve, Door With Hinges And Handle, Gasket, Glass For Viewing, Control Panel Having On Off Switch, Indicating Lamps, Digital Temperature Controller Cum Indicator, Vacuum Gauge, Regulator, Temperature Range 50-200°C.

Technical Specifications & Ordering Informations

MOC Internal		Stainless Steel Sheet	
MOC External		Mild Steel Sheet Powder Coated	
Heater		Beaded Heaters	
Temperature Range		Ambient 5°C - 200°C +/- 3°C	
Insulation		Mineral Wool	
Door Packing		Silicon Gasket	
Safety Device		Thermostat	
Size Internal (Wxdxh)	300x300x300mm	355x355x355mm	455x455x455mm
No Of Tray	2	2	2
Controller	Microprocessor Based Pid Digital Temperature Indicator-Cum-Controller		
Electric Supply	220/230v A.C. Supply		

Vacuum Oven

Double Walled Construction, Outside Made Of Mild Steel, Powder Coated Paint, Inside Chamber Made Of Stainless Steel , Having Stainless Steel Shelve, Door With Hinges And Handle, Gasket, Glass For Viewing, Control Panel Having On Off Switch, Indicating Lamps, Digital Temperature Controller Cum Indicator, Vacuum Gauge, Regulator, Temperature Range 50-200°C.

Technical Specifications & Ordering Informations

MOC Internal		Stainless Steel Sheet	
MOC External		Mild Steel Sheet Powder Coated	
Heater		Beaded Heaters	
Temperature Range		Ambient 5°C - 200°C +/- 3°C	
Insulation		Mineral Wool	
Door Packing		Silicon Gasket	
Safety Device		Thermostat	
Size Internal (Wxdxh)	300x300x300mm	355x355x355mm	455x455x455mm
No Of Tray	2	2	2
Controller	Microprocessor Based Pid Digital Temperature Indicator-Cum-Controller		
Electric Supply	220/230v A.C. Supply		

Vacuum Pump Oil Free

Portable Light Weight Die-Cast Aluminium Components Keep Overall Weight Minimal. Balanced Eccentrics Provide Smooth, Low Vibration Operation. Useful For General Laboratory Applications Where Even A Slightest Environment/Sample Contamination Through Oil Mist Is Forbidden. Diaphragm Type, 100% Oil Free, Max Flow Rate 25 L.P.M. / 45 L.P.M. With Vacuum Gauge And Regulator. Electric Supply On 220/230 Volts, 50/60 Hz Ac_

VDRL Rotator

Epoxy Coated Body, Variable Speed/Fix Speed 180 RPM, Electric Supply On 220/230 Volts, 50/60 Hz Ac

Vortex Mixer

The Unit Is Meant For Quick & Thorough Mixing Of Liquids In Test Tubes, Small Flasks Or Bottles. The Mixer Consists Of Enamel Finished Housing Containing The Motor With An Eccentric Drive To A Rubber Buffer On The Top. The Tube Is Held Against The Vibrating Buffer & The Intensity Of Agitation Controlled By Varying The Position In Which The Test Tube Is Held. The Thyristorized Speed Controller Enables Step Less Adjustment Of Degree Of Oscillations.

Mains Input	:	230v / 50hz 110v / 60hz A.C. Supply
W x D x H	:	160 (W) X 190 (D) X 115 (H)
Body	:	Metal Body
Weight	:	3.0 Kg. Net
Speed	:	0 - 2500 Rpm (Variable)
Operation Modes	:	Touch Or Continuous

Water Bath 6 Holes /12 Holes

Double Walled Construction, Outer Chamber Is Made Of Mild Steel Duly Powder Coated, Inner Bath Chamber & Lid Made Of Stainless Steel Space Between The Wall Is Fitted With Mineral Wool In Order To Avoid Thermal Losses, Drain Plug Is Also Fitted To The Unit, Controls Temperature Within An Accuracy Of ±0.5°C, Available With 6 Holes Of 75mm Concentric Rings.

Technical Specifications & Ordering Informations

Inner Size (LxWxD)	300x250x100mm	335x405x100mm
Capacity	6 Holes Of 75mm Dia. With Concentric Rings	12 Holes Of 75mm Dia. With Concentric Rings

Heater Load	1.0 Kw		1.5 Kw
Temperature Control		Thermostatic	
Insulation		Mineral Wool	
Temperature Range		Ambient +5°C To 95°C ±0.5°C.	
Electrical Supply		220/230v Ac, 50/60hz	

Water Bath Shaker

Double Walled Construction, Outer Chamber Is Made Of Mild Steel Duly Powder Coated, Inner Bath Chamber & Lid Made Of Stainless Steel Space Between The Wall Is Fitted With Mineral Wool In Order To Avoid Thermal Losses, Drain Plug Is Also Fitted To The Unit, Controls Temperature Within An Accuracy Of ±0.5°C, Fitted With Microprocessor Based Digital Temperature Controller Cum Indicator, Heating Element, Gabled Cover, Speed Regulator Is Provided On The Front Panel To Control The Shaking Motion, Bath Has An Oscillating Tray Riding On Rollers Oscillated Through A Geared Variable Speed Motor, Fitted With Pmdc Heavy Duty Motor For Continuous Operation. Shaking Tray Can Either Hold Test Tubes Or Erlenmeyer Flasks Of 25 MI Or 50ml Or 100 MI Or 250 MI Or 1000ml, Supplied Complete With One Shaking Tray As A Standard Accessory, Fitted With Rpm Meter.

Technical Specifications & Ordering Informations

Internal Dimensions (LxBxD)	505x375x225mm						
Shaking Tray Size	405x300x150mm						
Heater Load	2.5 KW						
Temperature Range	Ambient +5°C To 97°C±0.5°C						
Controller	Microprocessor Based Pid Digital Temperature Indicator-Cum-Controller						
Shaking Speed	40 To 180 Strokes/Minute						
Regulator	Stepless Speed Control						
Flask Capacity No. Of Flask	25ml	50ml	100ml	250ml	500ml	1000ml	25 mm
Diameter Tubes	20	16	12	9	5	4	35
Electrical Supply	220/230v Ac, 50/60hz						

Water Bath

Double Walled Construction, Outer Chamber Is Made Of Mild Steel Duly Powder Coated, Inner Bath Chamber & Lid Made Of Stainless Steel Space Between The Wall Is Fitted With Mineral Wool In Order To Avoid Thermal Losses, Drain Plug Is Also Fitted To The Unit, Controls Temperature Within An Accuracy Of ±0.5°C, The Unit Can Be Supplied With Or Without Stirring Arrangement, The Stirring Arrangement Consists Of A Fhp Motor With S.S. Stirring Shaft.

Technical Specifications & Ordering Informations

Inner Size (LxwxH)	300x250x175mm	330x300x175mm	455x300x175mm	605x300x175mm
No. Of Racks To Hold	2	4	6	8
Capacity	14 L	18 L	25 L	32 L
Heating Load	1.5 KW	2.0 KW	2.0 KW	4.0 KW
Temperature Controller	Thermostatic			
Stirring (Optional)	Available With Or Without Stirring Arrangement With The Help Of FHP Stirrer			
Temperature Range	Ambient +5°C - 97°C ±0.5°C			
Temperature Display	Glass Mercury Thermometer			
Insulation	Mineral Wool			
Diffuser Shelf	Perforated Cover Of Stainless Steel.			
Electrical Supply	220/230v Ac, 50/60hz			

Option : Digital Temperature Controller Cum Indicator.

Water Still Manesty Type

The Unit Is Recommended For Making Pyrogen Free Distilled Water, Made Out Of Stainless Steel 304 Grade Sheets, The Cock Fitted To The Unit Is Brass C.P. Wall Mounting Clamp Is Provided With The Unit And Is Supplied With The Flexible Tubing, Supplied With Cord And Plug To Work On 220/230 Volts A.C. Supply.

Technical Specification

Capacity Output	4 Liter /Hr
Heater Load	3 Kw

Water Distillation Branstead Type

Capable Of Producing Pyrogen Free Distilled Water All Contact Parts Are Made Of Stainless Steel 304 Grade, High Efficiency Electrical Immersion Heater Are Fitted, Argon Arc Welded, Low Water Level Cut-Off Device For General Safety Of Heating Elements, Control Panel Fitted With On/Off Switch, Low Water Cut-Off Probe, Mains/Heating Indicators. To Work On 220volts Ac/430 Volts, 3 Phase Supply.

Technical Specifications & Ordering Informations

Capacity	5.0 Litres /Hr	7.0 Liter /Hr
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Water Distillation Single Stage

All Glass Table Top Horizontal Model, Automatic, Single Distillation, Unit Mounted On Stand Metal Stand Powder Coated, Quartz Glass Heater Tube, Low Water Cut Off Device, Complete With Glass Parts, Electric Supply 220/230v Ac, 50/ 60hz

Technical Specifications & Ordering Informations

Main Body	Mild Steel Powder Coated
Glass	Borosilicate
Heater Material	Ceramic With Spiral Element

Heater Tube	Quartz / Silica Glass
Output	1.5 Liter/Hr
	3.0 Liter/Hr
	5.0 Liter/Hr

Water Distillation Double Stage

All Glass Table Top Horizontal Model, Automatic, Double Distillation, Unit Mounted On Stand Metal Stand Powder Coated, Quartz Glass Heater Tube, Low Water Cut Off Device, Complete With Glass Parts, Electric Supply 220/230v Ac, 50/ 60hz

Technical Specifications & Ordering Informations

Main Body	Mild Steel Powder Coated
Glass	Borosilicate
Heater Material	Ceramic With Spiral Element
Heater Tube	Quartz / Silica Glass
Output	1.5 Liter/Hr
	3.0 Liter/Hr
	5.0 Liter/Hr

Water Distillation Heavy Duty

A Free Standing Unit Capable Of Producing Pyrogen Free Distilled Water All Contact Parts Are Made Of Stainless Steel 304 Grade, Mounted On A Sturdy Ms Tubular Stand. High Efficiency Electrical Immersion Heater Are Fitted, Argon Arc Welded, Low Water Level Cut-Off Device For General Safety Of Heating Elements, Control Panel Fitted With On/Off Switch, Low Water Cut-Off Probe, Mains/Heating Indicators. Electric Supply 430 /440 V Ac 3 Phase 50/ 60hz

Technical Specifications

Capacity	25.0 Litres /Hr
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Willey Mill

Working Chamber Made Of Mild Steel / Stainless Steel, Recommended For Grinding Of Dry Samples. Also For A Great Variety Of Commercial Dry Materials. Unit Is Having Two Stationary Steel Blades Sand Rotary With Steel Edges Provided In The Cast Iron Chamber. A Removable Safety Glass Sheet Plate Form The Face Of Chamber Permits Observation During Operation. Willey Mill Is Fitted On Substantial Cast Iron Case. Complete Unit Supplied With Aluminium / Cast Chamber, Polished Hopper With Cover, Wooden Plugger, Three Delivery Tubes Mounted With Sieves Cloth Mesh No 20, 40 And 60 Mesh, One Allen Key For Adjusting Blades And 3 Glass Jars, Brush Etc. Electric Supply Work On 220 V AC.

Size: 40x25mm, 65x25mm, 100x50mm, 200x75mm

Wrist Action Shaker

Wrist Action Shaking Machine Has A Heavy Cast Iron Base With Rugged Construction And Two Side Arms For Holding Flasks. Wrist Action Shaking Machines Are Fitted With F.H.P. Heavy Duty Motor With Variable Speed. Can Hold Flasks From 100 To 1000 ml. Capacity, To Hold 4 / 8 Flasks. Fitted With 0-60 Minute Mechanical On/Off Timer. Electric Supply Work On 220 V AC. 50Hz