



CATALOGUE 2018-19

DDBIOINFOTECH

New Delhi



INTRODUCTION

DDBIOINFOTECH is an Indian company engaged in manufacturing, supplying of Laboratory and Scientific Equipment both in standard and custom designs. With years of experience, we are highly confident and working with dedication to provide its customers with a high quality standard of equipment and instruments at exceptionally economical price.

Quality and customer services are also the two reasons behind the success of this small-scale industry.

We are committing unmatched customer service to its clients. It is promising excellent customer service in terms of product delivery, product information and online and offline support.

The company has built and is operating manufacturing facilities that matches the latest systems and techniques in the industry. We make sure a constant update of latest technologies and methodologies to ensure reliability and consistency at each level of instruments production. Our wide array of products is categorized into Heating, Cooling, Shaking, Clean air and Sterilization. All our products ensure accuracy and conformity for significant experiments.

We want to work with our customer to provide the latest technological advances.

Regards

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1. Water Bath (Rectangular)

“Make & Brand:- DD-LAB

Double wall construction With Concentric Rings, Thermostatically control, Inner Chamber SS-304, Outer M.S. Duly Powder coated/ S.S. 304, with Heavy Duty Argon Welded tank

Available Size:-

1. 325X250X100 MM (LXBXH) (6 HOLES OF 75 mm DIA)
2. 425X325X100 MM (LXBXH) (12 HOLES OF 75 mm DIA)

Optional:-

1. Microprocessor Based PID Controller
2. Water Level Cutoff system



2. Water Bath Serological

“Make & Brand:- DD-LAB

Double wall construction thermostatically control, Inner Chamber SS-304, Outer M.S. Duly Powder coated/ S.S. 304, with Heavy Duty Argon Welded tank

Available Size:-

Working Size (L x B x H)mm

Working Size (L x B x H)mm	Ltrs
1. 300 x 255 x 175 mm	14
2. 350 x 250 x 200 mm	18
3. 300 x 300 x 200 mm	19
4. 300 x 300 x 300 mm	28
5. 450 x 300 x 200 mm	28
6. 600 x 300 x 200 mm	38

OR ANY NON STANDARD SIZE

Optional:-

1. Microprocessor Based PID Controller
2. Water Level Cutoff system
3. Stirrer / Circulation



3. Cooling Water Bath (Refrigerated Water Bath)

“Make & Brand:- DD-LAB

Double walled construction.

Inner Tank made of Stainless Steel (SS-304 grade).

Outer chamber is made of Mild Steel duly powder coated or S.S. 304 grade.

Heating by immersion heaters

Cooling by sturdy refrigeration unit done by ISI mark compressor / Condensing Units CFCfree with eco friendly refrigerant.

Temp. Controlled by Microprocessor based PID Temperature Controller.

Temperature stability is maintained by internal circulation in bath

Thermal loss is prevented by filling High Grade Glass wool (Insulation) in space between the outer body & stainless steel tank.

Low noise level.

To work on 220/ 230V ACsupply.

Available Size:-

Working Size(L x B x H) mm

1. 300 x 255 x 175 mm
2. 350 x 250 x 200 mm
3. 300 x 300 x 200 mm
4. 300 x 300 x 300 mm
5. 450 x 300 x 200 mm
6. 600 x 300 x 200 mm

Ltrs

- 14
- 18
- 19
- 28
- 28
- 38

ORANYNONSTANDARDSIZE

Available temperature range:-

Temperature Range +5°C to 90°C

TemperatureRange-10°C to90°C

TemperatureRange-20°C to90°C

****Kindly specify temperaturerange before order.**

Optional:-

1. Microprocessor Based PID Controller
2. Water Level Cutoff system
3. Stirrer Arrangement
4. PLC controller



4. Water Bath Shaker

“Make & Brand:- DD-LAB

Double walled construction.

Inner Tank and lid made of Stainless Steel (SS-304 grade).

Outer chamber is made of Mild Steel duly powder coated or Stainless Steel 304 Grade.

Heating by immersion heaters.

Cooling by sturdy refrigeration unit done by ISI mark compressor / Condensing Units CFCfree with eco friendly refrigerant. (For Cooling Models)

Controls temperature by microprocessor based PID digital temperature indicator cum controller.

Thermal loss is prevented by filling mineral wool (Insulation) in space between the outer body & stainless steel tank.

Shaking mechanism comprises of variable speed motor fixed on the left side and coupled to the oscillating tray riding on ball rollers oscillated through a geared variable speed motor. Tray shakes in linearly to and fro is with Minimum Noise and Vibration.

Shaking motion of tray is controlled by speed regulator fitted at the panel.

Fitted with PMDC heavy duty motor for continuous operation.

Shaking tray can either hold test tubes or Erlenmeyer flasks of 25 ml or 50ml or 100 ml or 250 ml or 1000ml, as ordered by the user

Supplied with GABLED DOME LID for dripping of all condensate into the bath inside periphery.

Fitted with THYRISTOR BASED DC DRIVE for speed range from 40 to 140 cycles per minute.

To work on 220/ 230V AC supply.

Available Size:-

Working tray Size (L x B x H) mm

1. 275 x 275 x 75 mm (4 Flask of 250 ml)
2. 275 x 275 x 150 mm (5 Flask of 250 ml)
3. 425 x 300 x 150 mm (12 flasks of 250 ml)
4. 405 x 300 x 150 mm (8 Flask of 250 ml)

ANYNON STANDARD SIZE

Available temperature range:-

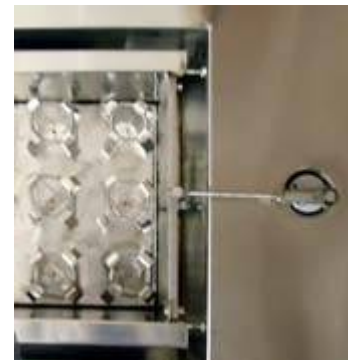
Temperature Range +5°C to 90°C (cooling)

Temperature Range Ambient +5°C to 90°C (Heating)

****Kindly specify temperature range before order.**

Optional:-

1. Microprocessor Based PID Controller
2. Water Level Cutoff system



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5. HOT AIROVEN

“Make & Brand:- DD-LAB

Thermostatically controlled

Double walled construction.

Inner Tank and lid made of Stainless Steel (SS-304 grade).

Outer chamber is made of Mild Steel duly powder coated or Stainless Steel 304 Grade.

Fitted with heavy hinges with a ball catcher, spring loaded door closing device. Door is duly insulated.

Adjustable two ventilation slides control inner air / vapour circulation.

Inner chamber has ribs for placing the shelves at convenient levels.

Air circulation fan fitted at rear wall of the chamber to maintain temperature uniformity in the chamber (Not required 28 liters model).

The inner chamber is properly insulated with Special Grade Glass wool to prevent thermal losses.

Main Panel consists of Switches for Mains and Heater, Temperature Controller

Available temperature range:-

Temperature Range Ambient +5°C to 250°C

Temperature Range Ambient +5°C to 300°C

****Kindly specify temperature range before order.**

Available Size:-

Working Size (L x B x H) mm

1. 12" x 12" x 12" (300 X 300 X 300 mm)
2. 14" x 14" x 14" (350 X 350 X 350 mm)
3. 18" x 18" x 18" (450 X 450 X 450 mm)
4. 18" x 18" x 24" (450 X 450 X 600 mm)
5. 24" x 24" x 24" (600 X 600 X 600 mm)
6. 24" x 18" x 36" (600 X 450 X 900 mm)
7. 24" x 24" x 36" (600 X 600 X 900 mm)

ANY NON STANDARD SIZE

Ltrs

- 28
45
96
128
228
256
342

Optional:-

1. Microprocessor Based PID Controller
2. Microprocessor Based PID Controller with LCD display and timer
3. Microprocessor Based PID Controller along with PC communication thru built-in RS-485 interface
4. Touch Screen Display (4") system along with data logging & for saving of data and communication to PC.



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6. Bacteriological Incubator

"Make & Brand:- DD-LAB

Thermostatically controlled
Double walled construction.
Inner Tank and lid made of Stainless Steel (SS-304 grade).
Outer chamber is made of Mild Steel duly powder coated or
Stainless Steel 304 Grade.
Fitted with heavy hinges with a ball catcher, spring loaded door
closing device. Door is duly insulated.
Adjustable two ventilation slides control inner air / vapour
circulation.
Inner chamber has ribs for placing the shelves at convenient
levels.
Air circulation fan fitted at rear wall of the chamber to maintain
temperature uniformity in the chamber (Not required 28 liters
model).
The inner chamber is properly insulated with Special Grade
Glass wool to prevent thermal losses.
Available temperature range:-Ambient +5°C to 70°C
Main Panel consists of Switches for Mains and Heater,
Temperature Controller

Available Size:-

Working Size(L x B x H)mm

	Ltrs
1. 12" x 12" x 12" (300 X 300 X 300 mm)	28
2. 14" x 14" x 14" (350 X 350 X 350 mm)	45
3. 18" x 18" x 18" (450 X 450 X 450 mm)	96
4. 18" x 18" x 24" (450 X 450 X 600 mm)	128
5. 24" x 24" x 24" (600 X 600 X 600 mm)	228
6. 24" x 18" x 36" (600 X 450 X 900 mm)	256
7. 24" x 24" x 36" (600 X 600 X 900 mm)	342

ANY NON STANDARD SIZE

Optional:-

1. Microprocessor Based PID Controller
2. Microprocessor Based PID Controller with LCD display and timer
3. Microprocessor Based PID Controller along with PC communication thru built-in RS-485 interface
4. Touch Screen Display (4") system along with data logging & for saving of data and communication to PC.



7. B.O.D. Incubator

“Make & Brand:- DD-LAB

Temp. Controlled by Microprocessor based PID Temp. Controller.

Inner Chamber Stainless Steel 304 grade and Outer Body M.S. Duly powder coated / Stainless Steel.

Temp. Range +5°C to 60°C CFC Free Compressor of “COPELAND” with CFC free refrigerants.

Full length inner glass/acrylic door for visual inspection during temperature process to prevent the temp disturbance.

Lock & Key arrangement.

Two air fans (one for heating and one for cooling) for forced air circulation fitted at rear wall of the chamber to maintain temperature uniformity in the chamber.

Lockable Caster wheel mounted cabinet.

The inner chamber is properly insulated with Special Grade Glass wool / PUF to prevent thermal losses.

Door operated LED light system inside the chamber.

Main Panel consists of Switches for Mains and Heater, Digital Temperature Controller.

Power: 220/230VAC, 50Hz

Available Size:-

Working Size (L x B x H) mm

1. 455 x 410 x 610 mm
2. 505 x 415 x 830 mm
3. 550 x 505 x 830 mm
4. 570 x 550 x 875 mm
5. 650 x 580 x 900 mm
6. 700 x 640 x 900 mm
7. 750 x 700 x 950 mm

ANY NON STANDARD SIZE

Ltrs

- 112Ltr. (4 cu. ft.)
- 170Ltr. (6 cu. ft.)
- 228Ltr. (8 cu. ft.)
- 280Ltr. (10 cu. ft.)
- 336Ltr. (12 cu. ft.)
- 420Ltr. (15 cu. ft.)
- 500Ltr. (18 cu. ft.)

Optional:-

1. Microprocessor Based PID Controller with LCD display and timer
2. Microprocessor Based PID Controller along with PC communication thru built-in RS-485 interface
3. Touch Screen Display (4”) system along with data logging & for saving of data and communication to PC.



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8. Orbital Incubator Shaker

“Make & Brand:- DD-LAB

Temp. Controlled by Microprocessor based PID Temp. Controller and digital RPM Indicator.

Inner Chamber Stainless Steel 304 grade and Outer Body M.S. Duly powder coated / Stainless Steel.

Glass/ Acrylic door window for visual inspection during temperature process to prevent the temp disturbance.

Lock & Key arrangement.

Air fans for forced air circulation fitted at rear wall of the chamber to maintain temperature uniformity in the chamber.

The inner chamber is properly insulated with Special Grade Glass wool / PUF to prevent thermal losses.

Door operated LED light system inside the chamber.

Fitted with Universal Platform to accommodate interchangeable clamps of assorted sizes for different capacity of flasks.

Shaking ranges from 20-250 RPM

Main Panel consists of Switches for Mains and Heater, Temperature Controller.

Power: 220/ 230VAC, 50Hz

Available temperature range:-

Temperature Range +5°C to 60°C (cooling)

Temperature Range Ambient +5°C to 60°C (Heating)

****Kindly specify temperature range before order.**

Size of Platform	Chamber capacity
Size of platform 300 x 300 mm (Max load:-4 liter) 250ml x 9 flasks / 500ml x 4 flasks / 1000ml x 4 flasks	420*420*640= 4 cft
Size of platform 450 x 450 mm (Max load:-9 liter) 250ml x 16 flasks / 500ml x 9 flasks / 1000ml x 9 flasks	550*550*640= 6.5 cft
Size of platform 600 x 600 mm (Max load:-16 liter) 250ml x 25 flasks / 500ml x 25 flasks / 1000ml x 16 flasks	700*700*640= 12 cft
Size of platform 750 x 750 mm (Max load:-25 liter) 250ml x 49 flasks / 500ml x 36 flasks / 1000ml x 25 flasks	850*850*640= 16 cft

ANY NON STANDARD SIZE

(Note:- user can choose any 1 flask capacity)

Optional:-

1. Microprocessor Based PID Controller with Temperature and timer
2. Microprocessor Based PID Controller along with PC communication thru built-in RS-485 interface
3. Touch Screen Display (4") system along with data logging & for saving of data and communication to PC.
4. External Tube light System
5. Cyclic Timer



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9. Deep Freezers

“Make & Brand:- DD-LAB

Robust construction Outer chamber is made of Mild Steel duly pre treated & finished with powder coated paint for lasting finish. Inner chamber made of STAINLESS STEEL SHEET (304 Grade).

Outer front double walled door is insulated and is fitted with magnetic tape for air tight closing for no temperature loss, provided with lock and key arrangement.

A full view inner Acrylic / Glass door enables inspection and monitoring of inner chamber specimens without disturbing the process temperature.

High grade PUF INSULATION between outer and inner chamber for minimal thermal losses.

Direct cooling system for stable temperature control by ISI marked Compressor/ Condensing Units CFCfree with eco friendly refrigerant.

Control panel having all controls and circuitry are housed at the top fitted with Temperature controller cum Indicator Microprocessor based with LED display for Set Value (SV) & Process Value (PV) to select any desired temperature provided with auto tuning facility.

Caster wheel mounted for easy portability.

Operating Voltage: 220 Volts AC(50 Hz).

Available temperature range:-

Temperature Range -10°C to -22°C

Temperature Range -20°C to -40°C

Temperature Range -40°C to -86°C

****Kindly specify temperature range before order.**



Available Size:-

Working Size (L x B x H) mm

1. 455 x 410 x 610 mm
2. 505 x 415 x 830 mm
3. 550 x 505 x 830 mm
4. 570 x 550 x 875 mm
5. 650 x 580 x 900 mm
6. 700 x 640 x 900 mm
7. 750 x 700 x 950 mm

ANY NON STANDARD SIZE

Ltrs

- 112Ltr. (4 cu. ft.)
- 170Ltr. (6 cu. ft.)
- 228Ltr. (8 cu. ft.)
- 280Ltr. (10 cu. ft.)
- 336Ltr. (12 cu. ft.)
- 420Ltr. (15 cu. ft.)
- 500Ltr. (18 cu. ft.)

Optional:-

1. Microprocessor Based PID Controller with door open alarm, power failure alarm, high low temperature alarm
2. Microprocessor Based PID Controller along with PC communication thru built-in RS-485 interface
3. Touch Screen Display (4”) system along with data logging & for saving of data and communication to PC.
4. 7-days Inkless chart recorder

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10. Deep Freezers 340 liters (imported)

“Make & Brand:- DD-LAB

Vertical upright model
CFCFree Refrigerants R134a
Single Solid Door and White Colour Body
Individual Freezing Elements on Each Drawer
Optimal Energy Saving Machines due to better Condensing
Uniform digital display of temperature

Technical specification:-

Gross capacity (ltr.): 340
Unit size (WxD x H) inches: 24 x 27 x 70
Drawer/Shelves: 10
Temperature: -17°C to -24°C
No. of Door/Type: 1 / Solid
Climate type: T
Lock: Yes
Foot/Wheels: Feet
Refrigerant: CFC free Refrigerant
Power : 220-230 Volts, 50 Hz Single Phase

Optional:-

1. Digital Controller with alarm
2. Door open alarm, power failure alarm



10A. Deep Freezers 380 liters (imported) Inside SS Model

“Make & Brand:- DD-LAB

Outside white painted steel
Inside stainless steel
Digital thermostat
Lock and key arrangement
Fan assisted cooling system
Reversible self-closing door
Two front adjustable feet with two rear wheels.

Technical specification:-

Unit dimension (W x D x H) mm: 600 x 600 x 1870
Net Capacity (Ltr.): 380
Cooling System: Fan cooling
Temperature Range: -18°C to -22°C
No. of Shelves: 7
Interior Light: Yes
Insulation: By High density PUF Insulation
Refrigerant: R-134a
Power Supply: 220-230 Volts, 50 Hz Single Phase

Optional:-

1. Digital Controller with alarm
2. Door open alarm, power failure alarm



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11. Deep Freezers Chest type imported

"Make & Brand:- DD-LAB

Optimal energy saving machines due to better condensing capacity. Tropicalised i.e. suit to take on harsh Indian temperature conditions, can perform at even 45 degree.

Dual temperature option: (+2 to -24 degree) and easy to adjust temperature.

Uniform temperature controller in all models, easy to access.

Italy foaming technology.

Double Condenser

Service Free machines , Simple Fit it and forgot it

Ultra silent design

Environment friendly refrigerant and foaming agent.

Products been designed under industries renowned technical team supervision and guidance

Foaming door with dual insulation for better refrigeration effect.

Gross Capacity (ltrs)	120	220	320	400	550	650	160 Freezer +160 Cooler
Dimension(WxDxH) (Inches)	27x22x33	33x26x33	38x26x33	44x26x33	63x27x32	71x27x32	54x24x37
Input Power(W)	105	115	175	190	240	280	175
Temperature range	(+ 4 ~ -24 Deg C) Adjustable						
Fanmotorcapacity	15Watt						
Door	Top Opening						
Climate Type	T						
Temp. Control	Mechanical						
Basket	1						
Dual Function	Freezer / Chiller						
Lock	Yes						
Isolation thickness	65mm						
Foot/Wheels	Casters						
Voltage/Frequency	220V/50HZ						
Refrigerant	R – 134A						
Compressor	SIBERIA						

Optional:-

1. Digital Controller with alarm
2. Power failure alarm



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12. Laboratory Refrigerator Imported "Make & Brand:- DD-LAB

Vertical LED Lights
 Vertical fluorescent lamp
 Easy adjustable shelves
 Self-closing glass door
 External door handle
 2 layer tempered door glass
 Automatic defrost and condensate evaporation
 Heavy duty castors with brake & Lock & key
 Fashionable design
 Low-energy consumption
 High cooling efficiency
 Climate Classification: T (42 Deg.C)

Optional:-

1. Digital Controller with alarm
2. Power failure alarm

Gross Capacity (ltrs)	120	150	300	400	450	650	1000
Dimension(WxDxH) (Inches)	22*23* 39	18*16* 62	22*25* 68	16*26* 74	24*24* 78	28*27* 82	44*29* 83
Shelves	2	6	4	4	4	4	8
Temperature range	+2°C to +8°C (Mechanical control)						
Door	Glass Door/ Front Opening						
Climate Type	T						
Temp. Control	Mechanical						
Basket	1						
Dual Function	Chiller						
Lock	Yes						
Isolation thickness	65mm						
Foot/Wheels	Casters						
Voltage/Frequency	220V/50HZ						
Refrigerant	R- 134A						
Compressor	SIBERIA / DONPOR						



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Available Working Size (in feet):-

2x2x2 / 3x2x2 / 4x2x2 / 6x2x2 OR ANY NON STANDARD SIZE

Optional:-

1. UV Hour meter
2. UV timer
3. Feather touch button panel light indication for Motor, U.V. & F.V. Light and mains
4. LCD display with soft touch switches for Motor, U.V. Light, F.V. Light and U.V. Timer (Without air flow velocity sensor)
5. LCD display with soft touch switches for Motor, U.V. Light, F.V. Light and U.V. Timer (With air flow velocity sensor)
6. Microprocessor based Touch screen display (4") system
7. Mini Pleat HEPA Filter (Separator Less)
8. ULPA filter (Imported)
9. Automatic Motorized Front Door Lifting Arrangement
10. Magnehelic Gauge
11. Digital Manometer
12. Virus burn out unit (in exhaust model)
13. PVC ducting 6" (per running feet) (in exhaust model)



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13. Laminar Air Flow (Horizontal / Vertical)

“Make & Brand:- DD-LAB

Designed so as to meet the requirement of US Federal Standard 209 B (BS 5295) providing particlefree air to meet class 100 conditions.

Confirm International Standard ISO-14644-1.

Basic material is Galvanized steel (G.I.) duly powder coated OR Stainless Steel (SS-304) (as ordered).

Working table is made of Stainless Steel Sheet (SS-304 grade).

All interior surfaces are epoxy painted filter seat is carefully formed, installed and checked for leakage.

Side panels & front doors are made of 5 mm thick acrylic transparent plexi glass.

The highly efficient HEPA filter maintains the optimum cleanliness and purity.

The pre-filter fitted extends the life of HEPA filter drastically.

Air drawn through pre-filter is made to pass through highly effective HEPA (High Efficiency Particular Air) filters having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, thus retaining all air-borne particles of size 0.3 micron and larger.

Working area is illuminated by fluorescent lighting fitted to the unit.

The blower and “MARATHON” motor assembly is statically and dynamically balanced of 1/4 H.P. capacity operates with minimum noise level.

Height of the working table provides comfortable “SIT DOWN” working position for the operator.

Supplied complete with S.S. Table Top, Transparent front door, Static Pressure Manometer. Built in U.V. Germicidal Light and Cock for gas, air or vacuum line, HEPA filters and pre-filter.

Separate switch operation for blower, UV & FL light and mains.

Velocity at the output of HEPA is 90 ± 20 FPM (measured at 1” distance from filter face)

Supplied complete with cord & plug to work on Single Phase 220 / 230 volts A.C. supply

Available Working Size (in feet):-

2x2x2 / 3x2x2 / 4x2x2 / 6x2x2 OR ANY NON STANDARD SIZE

Optional:-

1. UV Hour meter
2. UV timer
3. Feather touch button panel light indication for Motor, U.V. & F.V. Light and mains
4. LCD display with soft touch switches for Motor, U.V. Light, F.V. Light and U.V. Timer (Without air flow velocity sensor)
5. LCD display with soft touch switches for Motor, U.V. Light, F.V. Light and U.V. Timer (With air flow velocity sensor)
6. Microprocessor based Touch screen display (4") system
7. Mini Pleat HEPA Filter (Separator Less)
8. ULPA filter (Imported)
9. Automatic Motorized Front Door Lifting Arrangement
10. Magnehelic Gauge
11. Digital Manometer
12. Virus burnout unit
13. PVC ducting 6" (per running feet)



14. Biological safety cabinet

“Make & Brand:- DD-LAB

Confirm International Standard ISO-14644-1.

Basic material is Galvanized steel (G.I.) duly powder coated OR Stainless Steel (SS-304) (as ordered).

Working table is made of perforated Stainless Steel Sheet (SS-304 grade). All interior surfaces are epoxy painted filter seat is carefully formed, installed and checked for leakage.

Air Flow: 70%Recirculation & 30%Exhaust.

Transparent Front vertical rising Door with counter balanced drive unit.

The highly efficient HEPA filter maintains the optimum cleanliness and purity. The pre-filter fitted extends the life of HEPA filter drastically.

Air drawn through pre-filter is made to pass through highly effective HEPA (High Efficiency Particular Air) filters having efficiency rating as high as 99.99% with cold DOP and 99.97% with hot DOP, thus retaining all air-borne particles of size 0.3 micron and larger.

Working area is illuminated by fluorescent lighting fitted to the unit. The blower and “MARATHON” motor assembly is statically and dynamically balanced of 1/4 H.P. capacity operates with minimum noise level. Height of the working table provides comfortable “SIT DOWN” working position for the operator.

Supplied complete with Static Pressure Manometer. Built in U.V. Germicidal Light and Cock for gas, HEPA filters and pre-filter.

Separate switch operation for blower, UV & FL light and mains. Velocity at the output of HEPA is 90 ± 20 FPM (measured at 1” distance from filter face)

Supplied complete with cord & plug to work on 220 / 230 volts A.C. supply.

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15. Fume Hood

“Make & Brand:- DD-LAB

Conforms to ASHRAE-110-1995 standards.

Generates a negative pressure inside the hood thus facilitating removal of all contaminants from the works area, into the atmosphere. Basic material is Galvanized steel (G.I.) duly powder coated OR Stainless Steel (SS-304) (as ordered).

All interior surfaces are sealed and checked for leakage.

Work table is made of Stainless Steel (SS-304) OR Granite stone (as ordered)

Working area is illuminated by fluorescent lighting fitted to the unit.

The front door moves vertically up and down with concealed counter balanced weight.

The blower and motor assembly is statically and dynamically balanced & operates with minimum noise level.

Height of the working table provides comfortable "SIT DOWN" working position for the operator.

The front facing panel is fitted with 15/5 Amp socket with switches for exhaust system and fluorescent light.

Supplied complete with cord & plug to work on Single Phase 220 / 230 volts A.C. supply.

Note:

Face Velocity:- 80 - 120 FPM (Average at 12" Sash opening Fume Hood) as per ANSI

Air volume: 800-1000 CFM (Designed for Full door opening)

Available Working Size (in feet):-

2x2x2 / 3x2x2 / 4x2x2 / 6x2x2 OR ANY NON STANDARDSIZE

Optional:-

1. Inner FRP Lining
2. Inner Stainless steel Lining
3. Inner special lining for Acid digestion or Protein digestion application
4. Base Storage Cabinet for 2x2x2 / 3x2x2 / 4x2x2 / 6x2x2 or Other
5. Feather touch button panel LED light indication for Motor, F.V. Light and mains
6. Digital air Flow display
7. Automatic Motorized Front Door Lifting Arrangement
8. PVC ducting 6" (per running feet)



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16. Air Shower

“Make & Brand:- DD-LAB

Confirm International Standard ISO-14644-1.

Two Stage filtration

Pre filter (90%down to 10-15 micron) for return air & fresh air intake

HEPA Filter (99.99%down to 0.3 micron) at supply position

Aluminum doors with glass view window and door closer

Properly balanced Motor-blowers with suspension arrangement to minimize the noise level

ON/OFFSwitches

Control Systems ensuring that both the doors cannot be opened at the same time.

Timer for setting Air Shower : Settable from 30 seconds to 5 minutes

Emergency stop button

Straight Entry– Straight Exit

Airflowvelocity:- 18-20m/s

Electrical supply: 220/230V AC, 50/60HZ

Available Working Size (in feet):-

3x3x7 / 4x3x7 OR ANY NON STANDARD SIZE

Optional:-

1. UV Hour meter
2. UV timer
3. Feather touch button panel light indication for Motor, U.V. & F.V. Light and mains
4. LCD display with soft touch switches for Motor, U.V. Light, F.V. Light and U.V. Timer (Without air flow velocity sensor)
5. LCD display with soft touch switches for Motor, U.V. Light, F.V. Light and U.V. Timer (With air flow velocity sensor)
6. Microprocessor based Touch screen display (4”) system
7. Mini Pleat HEPA Filter (Separator Less)
8. ULPA filter (Imported)
9. Automatic Motorized Front Door Lifting Arrangement
10. Magnehelic Gauge
11. Digital Manometer



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17. Pass Box Static

“Make & Brand:- DD-LAB

Construction all its external & internal surfaces are made Sheet duly powder coated or S.S. Sheet body – 304 grade (as ordered)

Hinged door on both sides fitted with glass viewing window through which material kept in the pass box can be seen.

Electrically interlocked type doors on both sides, so that any one door can be opened at a time

UV & fluorescent light

Can be installed easily on the wall between the clean room and any other room.

Available Size (in Inches):-

18x18x18 / 24x24x24 / 24x24x36 OR ANY NON STANDARD SIZE



Optional:-

1. UV Hourmeter
2. UV timer
3. Magnehelic Gauge

17A. Pass Box Dynamic

“Make & Brand:- DD-LAB

Construction all its external & internal surfaces are made M.S. Sheet duly powder coated or S.S. Sheet body – 304 grade (as ordered)
Hinged door on both sides fitted with glass viewing window through which material kept in the pass box can be seen.

Electrically interlocked type doors on both sides, so that any one door can be opened at a time

UV & fluorescent light

HEPA Filter 0.3μ down to 99.97%

Pre Filter 10μ

Static pressure Manometer

Statically Balanced motor blower Assembly

Can be installed easily on the wall between the clean room and any other room.

Available Size (in Inches):-

18x18x18 / 24x24x24 / 24x24x36 OR ANY NON STANDARD SIZE



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18. Autoclave Vertical

“Make & Brand:- DD-LAB

Inner chamber made of stainless steel 304 grade.

Outer Body constructed from S. S. 304 Grade/ Mild steel powder coated

Lid Closing by Radial Locking System

Sealing of Lid by Neoprene/ Silicon Rubber Gasket

It is provided with Silicon Gasket, pressure gauge, pressure release valve S. S. Basket, safety valve, water level indicator & Pressure Control Switch

Operating range from 5psi to 20psi pressure

Sterilizing Temperature up to 134°C

Tested up to 2.5 times of required Pressure

Voltage: 220 Volts AC (50 Hz)

Available Size:-

Working Size(DIAx DEPTH) mm

Ltrs

250 x 450mm (10x18)

22

300 x 500mm (12x20)

40

350 x 550mm (14x22)

50

400 x 600mm (16x24)

75

450 x 600mm (18x24)

95

550 x 750mm (22x30)

178

600 x 900mm (24x36)

254

OR ANY NON STANDARD SIZE

Optional:-

1. Water Level cut Off device
2. Digital Temp. Controller cum Timer (both in-built)
3. Fully automatic operation with features like Setting Sterilization Temperature Soak Time, Purge On / Off set point Exhaust Set Point High Alarm Set Point ETC. (AUTOMATIC DIGITAL MINUTE TIMER which starts automatically when set/desired value of temperature is achieved. When the set time period is over the heaters get switched off automatically with alarm for cycle end.)
4. PC communication through RS485 connectivity
5. Microprocessor based Touch Screen display system with either printing or communication Option
6. Triple walled arrangement for Dry sterilization



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19. Autoclave Horizontal (Cylindrical)

“Make & Brand:- DD-LAB

Inner chamber made of stainless steel 304 grade.
Outer Body constructed from S. S. 304 Grade/ Mild steel powder coated
The autoclave is mounted on a Mild Steel tabular stand
Lid Closing by Radial Locking System
Sealing of Lid by Neoprene/ Silicon Rubber Gasket
It is provided with Silicon Gasket, pressure gauge, pressure release valve S. S. Basket, safety valve, water level indicator & Pressure Control Switch
Operating range from 5psi to 20psi pressure
Sterilizing Temperature up to 134°C
Tested up to 2.5 times of required Pressure
Voltage: 220 Volts AC (50 Hz)

Available Size:-

Working Size(DIA x DEPTH) mm

Ltrs

350x550mm	50
400x600mm	75
450x600mm	95
450x 900 mm	143
550x750mm	178
500x1200mm	235
600x1200mm	339

OR ANY NON STANDARD SIZE

Optional:-

1. Water Level cut Off device
2. Digital Temp. Controller cum Timer (both in-built)
3. Fully automatic operation with features like Setting Sterilization Temperature Soak Time, Purge On / Off set point Exhaust Set Point High Alarm Set Point ETC. (AUTOMATIC DIGITAL MINUTE TIMER which starts automatically when set/desired value of temperature is achieved. When the set time period is over the heaters get switched off automatically with alarm for cycle end.)
4. PC communication through RS485 connectivity
5. Microprocessor based Touch Screen display system with either printing or communication Option
6. Double door arrangement



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20. Autoclave Horizontal (Rectangular)

“Make & Brand:- DD-LAB

Triple walled unit with Inner chamber made of stainless steel 304 grade.

Outer Body constructed from S. S. 304 Grade/ Mild steel powder coated

Lid Closing by Radial Locking System

Sealing of Lid by Neoprene/ Silicon Rubber Gasket

It is provided with Silicon Gasket, pressure gauge, pressure release valve S. S. Basket, safety valve, water level indicator & Pressure Control Switch

Operating range from 5psi to 20psi pressure

Sterilizing Temperature up to 134°C

Tested up to 2.5 times of required Pressure

Voltage: 220 Volts AC (50 Hz)

Available Size:-

Working Size

450 X 450 X 900 mm (18" x 18" x 36")

500 X 500 X 900 mm (20" x 20" x 36")

600 X 600 X 1200 mm (24" x 24" x 48")

600 X 900 X 1500 mm (24" x 36" x 60")

900 X 900 X 1500 mm (36" x 36" x 60")

OR ANY NON STANDARD SIZE

Ltrs

192

235

454

850

1278

Optional:-

1. Water Level cut Off device
2. Digital Temp. Controller cum Timer (both in-built)
3. Fully automatic operation with features like Setting Sterilization Temperature Soak Time, Purge On / Off set point Exhaust Set Point High Alarm Set Point ETC. (AUTOMATIC DIGITAL MINUTE TIMER which starts automatically when set/desired value of temperature is achieved. When the set time period is over the heaters get switched off automatically with alarm for cycle end.)
4. PC communication through RS485 connectivity
5. Microprocessor based Touch Screen display system with either printing or communication Option
6. Double door arrangement



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Total no. of illuminated racks:-

3(Three) / 4(Four) / 5(Five)

OR ANY NON STANDARD SIZE

21. Tissue Culture Rack

“Make & Brand:- DD-LAB

Minimum heating effect/ heat dissipation.

No Flickering effect.

Tissue Culture Racks are made of tubular mild steel pipes flawlessly constructed duly painted/powder coated for longer life so as to provide the structure due protection from issues like corrosion for durability.

Each rack of size 48"x18" (depth) is covered with thick unbreakable plexi glass/ hylem sheet.

Distance between shelves to shelves is 15".

Platform surface is of 3mm thick hylem Sheet.

Four 40-watt fluorescent light (With Electronic Ballast).

4x25 Watt incandescent lamps in each shelf with switching arrangement.

UV Germicidal Light are fitted inside the rack / work area.

All fluorescent tubes chocks and ultra violet germicidal tube chocks are fitted outside of rack. If desired to avoid heat dissipation inside the rack.

Fitted with 0-24 Hours Digital Timers.

All control panels are fitted on the sides of tissue culture racks comprising of On/ Off switch of fluorescent tubes and UV tubes & Timers.

The whole rack is provided with four nos. castor wheels at the bottom for easy mobility to any place.



Tissue Culture Rack



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22. Temperature Humidity Cabinet or Stability Chamber

“Make & Brand:- DD-LAB

Temp. Controlled by Microprocessor based PID Temp. Controller. Inner Chamber Stainless Steel 304 grade and Outer Body M.S. Duly powder coated / Stainless Steel.

Full length inner glass/ acrylic door or door window for visual inspection during temperature process to prevent the temp disturbance.

Air fans for forced air circulation fitted at rear wall of the chamber to maintain temperature uniformity in the chamber.

Lock & Key arrangement, Lockable Caster wheel mounted cabinet. The inner chamber is properly insulated with Special Grade Glass wool / PUF to prevent thermal losses.

Door operated LED light system inside the chamber.

Water Reservoir For Humidity:-Each chamber has stainless steel water reservoir at the bottom and water is heated by low wattage immersion heater which assures to maintain humidity from atmospheric humidity up to 95% with a sensitivity of $\pm 3\%$ to $\pm 5\%$ (as per standard guidelines RH 70%~ 95%at 36 ~ 50° C, RH 40%~ 80%at 20 ~ 35° C)

Main Panel consists of Switches for Mains and Heater, Temperature and Humidity Controller.

Available temperature range:-

Temperature Range +5°C to 60°C (cooling)

Temperature Range Ambient +5°C to 60°C (Heating)

****Kindly specify temperature range before order.**

Available Size:-

Working Size (L x B x H) mm

1. 455 x 410 x 610 mm
2. 505 x 415 x 830 mm
3. 550 x 505 x 830 mm
4. 570 x 550 x 875 mm
5. 650 x 580 x 900 mm
6. 700 x 640 x 900 mm
7. 750 x 700 x 950 mm

ANY NONSTANDARD SIZE

Ltrs

- 112Ltr. (4 cu. ft.)
- 170Ltr. (6 cu. ft.)
- 228Ltr. (8 cu. ft.)
- 280Ltr. (10 cu. ft.)
- 336Ltr. (12 cu. ft.)
- 420Ltr. (15 cu. ft.)
- 500Ltr. (18 cu. ft.)

Optional:-

1. Microprocessor Based PID Controller with LCD display and timer
2. Microprocessor Based PID Controller along with PC communication thru built-in RS-485 interface
3. Touch Screen Display (4”) system along with data logging & for saving of data and communication to PC.
4. Light arrangement can be done or requirement



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23. Seed Germinator

“Make & Brand:- DD-LAB

Temperature and Humidity Controlled by Microprocessor based digital PID Controller.

Inner Chamber Stainless Steel 304 grade and Outer Body M.S. Duly powder coated.

Temp. Range +5°C to 60°C CFC Free Compressor of “COPELAND” with CFC free refrigerants.

Full length inner glass/acrylic door for visual inspection during temperature process to prevent the temp disturbance.

Lock & Key arrangement.

Two air fans (one for heating and one for cooling) for forced air circulation fitted at rear wall of the chamber to maintain temperature uniformity in the chamber.

Lockable Caster wheel mounted cabinet.

The inner chamber is properly insulated with Special Grade Glass wool / PUF to prevent thermal losses.

External lighting arrangement by 2 no's of tube light.

Water Reservoir For Humidity:-Each chamber has stainless steel water reservoir at the bottom and water is heated by low wattage immersion heater which assures to maintain humidity from atmospheric humidity up to 95% with a sensitivity of $\pm 3\%$ to $\pm 5\%$

(as per standard guidelines RH 70%~ 95% at 36 ~ 50° C, RH 40%~ 80% at 20 ~ 35° C)

Main Panel consists of Switches for Mains and Heater, Temperature and Humidity Controller & cyclic timer.

Available Size:-

Working Size (L x B x H) mm

1. 455 x 410 x 610 mm
2. 505 x 415 x 830 mm
3. 550 x 505 x 830 mm
4. 570 x 550 x 875 mm
5. 600 x 600 x 900 mm

ANY NONSTANDARD SIZE

Ltrs

- 112Ltr. (4 cu. ft.)
- 170Ltr. (6 cu. ft.)
- 228Ltr. (8 cu. ft.)
- 280Ltr. (10 cu. ft.)
- 324Ltr. (12 cu. ft.)

Optional:-

1. Microprocessor Based PID Controller with LCD display
2. Microprocessor Based PID Controller along with PC communication thru built-in RS-485 interface
3. Touch Screen Display (4”) system along with data logging & for saving of data and communication to PC.



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24. Ice Flaking Machine

“Make & Brand:- DD-LAB

Type of ice: flakes.

Reliable, energy efficient and light weight.

Capacity per 24 Hrs.

Easy Extraction system.

Our ICE flake machines are made of corrosion free metal components with advance poly uretherane insulation ensuring maximum thermal efficiency and durability.

Designed for continuous production of ice throughout the day

A well balanced CFC-free air cooled refrigeration system with hermetic sealed compressor, condenser, fan motor assembly & refrigerant to cool the crusher assembly for producing ice.

High grade PUF INSULATION between outer and inner chamber for minimal thermal losses.

Automatic controller for compressor, motor and water level. Machine gets automatically cut off when the collecting bin is full of ice flakes through the controller. Auto cut off in case of no water supply. Overload protector for motor and refrigeration system

Ice flaking machine is designed in such a manner that flakes are extruded just below 0° Celsius enhancing

Stainless steel evaporator which maximizes the heat exchange between the refrigerant and the water.

Caster wheel mounted for easy portability.

Supplied with cord and plug.

Operating Voltage: 220 Volts AC (50 Hz).

**** note: For proper functioning and long life ROis mandatory**

Available Size:-

1. 20-30 Kg per 24 hrs
 2. 50-60 Kg per 24 hrs
 3. 70-80 Kg per 24 hrs
 4. 100 Kg per 24 hrs
- ANY NON STANDARDSIZE



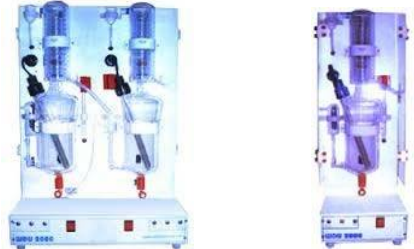
“AR” GENERAL LABORATORY INSTRUMENTS

**Glass Distillation (Borosilicate Glass)
“Make & Brand:- DD-LAB**

These units consist of main boiler. A built in heater enclosed in Quartz glass tube. Housing auto Water level adjuster, Bottom outlet for cleaning waste discharge which is fitted with Teflon screw Cap valve. A coil condenser fitted on top for condensing vapors. The whole unit is mounted on epoxy coated metal box stand & covered with acrylic sheet cover for protection. Power supply unit is in built no extra attachment is required. Housing sturdy & reliable power System require 1 K.W. Power per heater. These distillation units are more compact, require less space, reliable, easy to operate on Continue basis.

Available in :- Single / Double Stage

Capacity Available:- 1.5 / 3.5 liters



**Water Still (Table PATERN-BARNSTEADType)
(Made of Stainless Steel)
“Make & Brand:- A REnterprises”**

Double walled construction with inner and outer chamber made of S.S. the gap in between being filled with glass wool. The condenser and top are also made of S.S. the raw water is first made of pass around the tubes in the condenser Where it gets heated nearly to the boiling point thus economizing the heating energy. The heated water passes to the evaporator through a water level maintaining pipe. Excess water is let out through the drain. To work on 220/ 230 volts A.C. supply.

CAPACITY	LOAD
(A) 2 litre/hr.(approx)	2.0KW
(B) 4 litre/hr.(approx)	3.0KW
(C) 6 litre/hr.(approx)	4.5KW
(D) 8 litre/hr.(approx)	6.0KW
ORMORE	



**Water still (wall mounting)
“Make & Brand:- A REnterprises”**

The unit is recommended for making pyrogen free distilled water of a very high degree of purity. Made out of S.S. special kettle element is fitted with Ejection Device/ Auto Cut for safety of the element is provided water supply is stopped. The cock fitted to the unit is of brass C.P. A wall Mounting clamp is provided with the unit. Supplied with cord and plug to work on 220/ 230 volts A.C.

CAPACITY	LOAD
(A) 2 litre/hr.(approx)	2.0KW
(B) 4 litre/hr.(approx)	3.0KW
(C) 6 litre/hr.(approx)	4.5KW
(D) 8 litre/hr.(approx)	6.0KW





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TECHNOLGY SALES WITH SENES

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