An ISO 9001 : 2015 Certified Organisation

DIAGNO PHARMA Solutions®

"for the EXPERTS
by the EXPERTS"

Manufacturers, Suppliers & Services
Pharmaceuticals, Laboratory, Scientific Instruments & Equipments

www.diagnopharmasolutions.com

ABOUT US

DIAGNO PHARMA Solutions was Established in the year of 2016, We are one of the eminent manufacturers, supplier, service provider & exporter of Medical, Pharmaceuticals, Laboratory Scientific Instruments & Equipments. These Equipments are manufactured by using the finest quality of raw materials and latest technology.

We are continuously involved in Research and Development to improve the quality and reliability of our products and services. Our utmost aim is to provide a highest level of satisfaction & a single platform of all the scientific & Instrumentation solutions to the Pharmaceuticals & Laboratory Equipment users to get all the Products & services.

DIAGNO PHARMA Solutions is always trying to high-quality with the updated technologies in the field of Scientific Equipments to provide the best technology for their valuable customers.

DIAGNO PHARMA Solutions continues to grow, adding new products based on a strong foundation of values, technical innovation, high quality, customer satisfaction and of course perseverance.

We are customer centric and try to form non-breakable bond with our customers by offering the quality products and services.

VISION

To be a globally respected corporation & prominent brand in the Pharmaceutical & Laboratory Equipment industry by delivering sustainable values to all our clients & associates through constant development of innovative and high-quality products.

MISSION

To achieve our objectives in an environment of equality, honesty & civility towards our clients, employees, vendors & society through providing products based on efficient & environment friendly technology, consistently surpassing customer expectation of quality & on-time delivery.

SERVICES

SERVICES

We at **DIAGNO PHARMA Solutions** understand very clearly that the backbone of a successful customer relationship is an after-sales service & breakdown service support that responds quickly & efficiently hence believes in only one equation, the most important thing is to provide the most perfect & precise equipment to the customer for their valuable experiments, for that We uses well qualified factory trained Service Persons / Engineers & Technicians to provide the services to the customers to run their Equipments in the most economic & reliable way without any breakdown.

PREVENTIVE MAINTENANCE

In Preventive Maintenance Services we would like to work as "CARETAKER" of a particular equipment & committed to serve at any time to make the equipment free from breakdowns & errors.

CALIBRATION / VALIDATION

“Calibration” is the process in which the main controlling part of the equipment need to be calibrated against the standard calibration system (NABL Approved) at the regular interval of days/ Months to make sure that the equipment is working properly according to the guidelines.

In “Validation” the uniformity for the AMCs is measured under such conditions & at various places within the equipment to make sure the displayed conditions & the internal condition meet the guidelines.

AMCs

Annual maintenance contracts (Comprehensive and non- Comprehensive) are provided for the equipment to keep it free from irregular breakdowns at any circumstances. We provide AMCs for the Equipments for which we visit the site periodically at regular intervals to inspect the equipment for its functionality & performance.

UPGRADATIONS

We provide upgrade services for old Chambers / Incubators with our Advanced & Reliable Ethernet network-based PLC & HMI systems with 21CFR Part 11 compliant software.

CONTRACT MANUFACTURING / OEM

DIAGNO PHARMA Solutions is fully equipped to offer an international standard equipment contract manufacturing service to Suppliers around the globe to scale and achive their production goals.

PRODUCT RANGE

SR. No.	MODEL	EQUIPMEMTS
01	DPS-AT	**Autoclave Steam Sterilizers**
02	DPS-BI	**Bacteriological Incubators**
03	DPS-BOD	**B.O.D. Incubators**
04	DPS-CC	**Cold Chamber / Cooling Incubators / Pharma Refrigerators**
05	DPS-DF	**Deep Freezers** (-20 °C, -40 °C, -80 °C)
06	DPS-HM	**Heating Mantles**
07	DPS-HO	**Hot Air Ovens**
08	DPS-HP	**Hot Plates** (Round & Rectangular)
09	DPS-LAF	**Laminar Air Flows** (Horizontal & Vertical)
10	DPS-MF	**Muffle Furnaces**
11	DPS-OB	**Oil Baths**
12	DPS-PSC	**Photo Stability Chambers**
13	DPS-US	**Sonicators**
14	DPS-SC	**Stability Chambers / Humidity Chambers**
15	DPS-VO	**Vacuum Ovens** (Round & Rectangular)
16	DPS-WCC	**Walk-in Incubators / Walk-in Cold Rooms**
17	DPS-WSC	**Walk-in Stability Chambers**
18	DPS-WB	**Water Baths**

NOTE:

- All Images shown in this catalogue are Indicative only, Color or Model may differ from the picture shown.
- Specification & Dimensions mentioned in this catalogue are subject to modifications.
- Customized sizes are also available for the listed Equipments on request.

We also deals

in the following Equipments & Instruments

- Analytical Balances
- Micro / Semi Micro Balances
- Flame Proof Balances
- Digital Conductivity Meters
- Digital Polarimeters
- Dissolved Oxygen Meter
- Bulk Density Apparatus
- Spectrometers (UV-VIS / FTIR / NIR)
- Laboratory Stirrers
- Pass Box (Dynamic / Static)
- Reverse Laminar (Dispensing Booth)
- Plant Growth Chamber
- Orbital Shaking Incubators
- Re-Circulating Bath
- Serological / Universal Waterbath
- Shaking Waterbath
- Industrial / High Temperature Ovens
- Karl Fischer Titration Apparatus
- Disintegration & Dissolution Test Apparatus
- Bulk Density Apparatus
- Bio Safety Cabinet Class II Type A2 / Type B2
- Blood Bank Refrigerators
- Plasma Freezers (-40 °C)
- Platelet Incubator (22 °C) / Platelet Agitators
- Cryo Bath (4 °C)
- Blood Collection Monitor
- Blood Bank Centrifuge
- Laboratory Centrifuge
- Blood Bank Tube Sealer / Tube Stripper
- De-Humidifier
- Precision / High Precision Balances
- Moisture (Analyzers) Balances
- Digital pH Meters
- Multiparameter Meters
- Digital Melting Point Apparatus
- Orbital Shaker
- Digital Refractometer
- Colony counters
- Magnetic Stirrers
- Fume Hoods
- Sampling Booth
- Freeze Thaw Chambers
- Orbital Shaking Waterbath
- Constant Temperature Waterbath
- Low Temperature Waterbath (Cryostat)
- UV Inspection Cabinets
- CO2 Incubators
- Melting / Boiling Point Apparatus
- Tablet Hardness Test Apparatus
- Leak Test Apparatus
- Blood Donor Chair (Donor Couch)
- Blood Bank Weighing Scales
- Ultra Plasma Freezers (-80 °C)
- Plasma Expressor
- Plasma Thawing Bath (37 °C)
- Plasma Extractors
- VDRL Shaker
- Cooling (Refrigerated) Centrifuge
- Black Garlic Fermentation Machine
- Water Still / Water Distillation Unit

& many more...

AUTOCLAVE STEAM STERILIZERS

DIAGNO PHARMA **AUTOCLAVES** are designed and fabricated for sterilization under working steam pressure at 121 °C or more up to 15 – 17 PSI to kill micro-organism through the application of saturated steam under pressure to suit various International standards application in the growing field of Medical, Waste Treatment, Agricultural, Institution, Bio-Chemical, Industrial Research laboratories, Microbiology, Pharmaceuticals QC / QA / R&D and Various Industries.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction with Inner Chamber (for steam and water) made of Stainless Steel – 304 Grade (2 - 3mm Thick) - Exterior Fully Stainless Steel with Dull Matt finish **(Square in Shape)** - All Joints are Argon Welded to eliminate the Leakage
Top Lid	Lid is made of Die pressed Thick Stainless-Steel plate & is equipped with Dial Pressure gauge, Steam release / Exhaust valve & Spring-loaded safety valves Foot Lifting arrangement for Lid is included for capacity 100 liters and above With Joints less food grade silicon gasket
Heating	Heating by long life "U" Shaped Heavy-duty industrial flange heater
Temperature Control	**Microprocessor based Digital Temperature Controller Indicator** (LCD back lit display) Controller. Controls temperature & pressure precisely at set value
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Operation	Fully Automatic operation, cycle begins by press of the "START" button Initial Automatic air exhaust / purging cycle at the beginning, air is automatically removed & helps to create partial vacuum in the Inner chamber An inbuilt adjustable digital timer (operator programmable) can be adjusted as per sterilization load requirement Once sterile period is complete the steam is automatically exhausted
Basket	SS 304 wire mesh heavy duty (Rod Type)
Temperature Range / Resolution / Accuracy	121 °C to 125 °C / Resolution of 0.1 °C / Accuracy of ±0.5 °C
Pressure Range / Resolution	15 to 17 PSI / Resolution of 1 PSI
Electrical Supply	230 VAC / 15A / 50 Hz

SAFETY FEATURES

- Low water level alarm with Heater Cut-off
- Safety Valves for Automatic High-Pressure Release
- Circuit Breaker

OPTIONAL ACCESSORIES

- 4 Temp. Printing Option (Compatible with EPSON LX300 Printer)
- 1 Temp. + 1 Pressure Printing Option (Compatible with EPSON LX300 Printer)
- 3 Temp. + 1 Pressure Printing Option (Compatible with EPSON LX300 Printer)
- High Pressure cut-off switch
- "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features
- Complete PLC + HMI Based System with 21CFR Software

MODEL	Internal SIZE in inches (Dia x H)	CAPACITY In (Litres)	Rating in Watts	Basket SIZE in inches (Dia x H)	No. of Baskets
DPS-AT-FA 23 G	10 x 18	23	1500	8 x 16	1
DPS-AT-FA 37 G	12 x 20	37	2000	10 x 18	1
DPS-AT-FA 52 G	14 x 22	52	3000	12 x 20	1
DPS-AT-FA 75 G	14 x 30	75	4000	12 x 14	2
DPS-AT-FA 100 G	18 x 24	100	4000	16 x 22	1
DPS-AT-FA 125 G	18 x 30	125	4000	16 x 14	2
DPS-AT-FA 186 G	22 x 30	186	6000	20 x 14	2
DPS-AT-FA 224 G	22 x 36	224	8000	20 x 17	2

BACTERIOLOGICAL INCUBATORS

DIAGNO PHARMA **BACTERIOLOGICAL INCUBATORS** are designed to serve a wide span of requirements, most useful for General Incubation, Excellent for usage in Microbiological Labs & more specifically to maintain optimal temperature conditions for growth of microbiological cultures in a controlled environment.

1) REGULAR / LABORATORY INCUBATOR

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability (Models Above 120 Litres) - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Air Ventilation is provided on the side to remove heat gases & fumes
Insulation	High density glass wool insulation between walls to Prevent heat dissipation
Viewing Door	A transparent full length Acrylic inner door is provided to have a clear inner view of the samples put in, without disturbing the Thermal Conditions inside the incubator
Door Lock	A fully insulated door with sturdy / Butt hinges, Toggle Clamp lock and gasket which acts as a perfect sealant
Heating	Heating by long life "U" Shaped Nichrome wire heater in SS sheathing
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Motorized Blower with Flange motor & impeller) for uniform temperature (Top Mounted)
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Temperature Range / Resolution	Ambient +5 °C to 60.0 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±1.0 °C / ±0.5 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- **DIAGNOSCAN** - Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System

MODEL	Internal SIZE in inches (W x D x H)	CAPACITY (Liters)	No. of Trays
DPS-BI-R-27 S / G	12 x 12 x 12	27	1
DPS-BI-R-42 S / G	14 x 14 x 14	42	2
DPS-BI-R-90 S / G	18 x 18 x 18	90	2
DPS-BI-R-120 S / G	18 x 18 x 24	120	3
DPS-BI-R-216 S / G	24 x 24 x 24	216	3
DPS-BI-R-250 S / G	24 x 18 x 36	250	3
DPS-BI-R-324 S / G	24 x 24 x 36	324	4
DPS-BI-R-450 S / G	24 x 24 x 50	450	4

2) BACTERIOLOGICAL INCUBATOR - PRECISION (Memmert Type)

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Triple wall construction, with Inner (Working Chamber) Double walled perforated on both sides for better Temperature uniformity made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability (Models Above 120 Litres) - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Air Ventilation is provided on the side to remove heat gases & fumes
Insulation	High density glass wool insulation between walls to Prevent heat dissipation
Viewing Door	A transparent full length Acrylic inner door is provided to have a clear inner view of the samples put in, without disturbing the Thermal Conditions inside the incubator
Door Lock	A fully insulated door with sturdy / Butt hinges, Toggle Clamp lock and gasket which acts as a perfect sealant
Heating	Heating by long life "U" Shaped Nichrome wire heater in SS sheathing
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Motorized Blower with Flange motor & impeller) for uniform temperature (Top Mounted)
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Temperature Range / Resolution	Ambient +5 °C to 60.0 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±0.5 °C / ±0.2 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- **DIAGNOSCAN** - Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System

MODEL	Internal SIZE in inches (W x D x H)	CAPACITY (Liters)	No. of Trays
DPS-BI-P-27 S / G	12 x 12 x 12	27	1
DPS-BI-P-42 S / G	14 x 14 x 14	42	2
DPS-BI-P-90 S / G	18 x 18 x 18	90	2
DPS-BI-P-120 S / G	18 x 18 x 24	120	3
DPS-BI-P-216 S / G	24 x 24 x 24	216	3
DPS-BI-P-250 S / G	24 x 18 x 36	250	3
DPS-BI-P-324 S / G	24 x 24 x 36	324	4
DPS-BI-P-450 S / G	24 x 24 x 50	450	4

B.O.D. INCUBATORS

DIAGNO PHARMA **B.O.D. INCUBATORS** are designed primarily to meet the requirements for tests of Biological Oxygen Demand / Biochemical Oxygen Demand and equipped for controlled incubation and preservation of sensitive samples / cultures, micro-organism cultures, vaccines & serum incubation etc. These Incubators are designed to meet the testing challenges of the competitive Pharmaceutical Research field and enhance the scientific efforts of educational institutions and organizations.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	Units are highly insulated by 60 – 75 mm thick Poly Urethane Foam (PUF) insulation between the walls, PUF Density of 40 Kg/m³ ± 2 Kg/m³
Viewing Door	A transparent full-length Glass Door is provided to have a clear inner view of the samples / specimens put in, without disturbing the Thermal Conditions inside the chamber
Door Lock System	A key lockable Insulated Single Door having magnetic gasket, seals door gaps perfectly with Chamber Light (LED) works on door switch
Heating	Heating by long life "U" Shaped Nichrome wire heater in SS sheathing
Cooling	By CFC Free Hermetically sealed Copeland / Danfoss make compressors utilizing an eco-friendly refrigerant
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Motorized Blower with Flange motor & impeller) for uniform temperature (Top Mounted)
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Temperature Range / Resolution	Ambient +5 °C to 60.0 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±0.5 °C / ±0.1 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- Standby Refrigeration System (for 324 Ltrs. & above)
- **DIAGNOSCAN** - Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System

MODEL	Internal SIZE in cms (W x D x H)	CAPACITY (Litres)	No. of Trays
DPS-BOD-3 S / G	45 x 45 x 45	90	2
DPS-BOD-4 S / G	45 x 45 x 60	120	2
DPS-BOD-5 S / G	50 x 50 x 60	150	3
DPS-BOD-6 S / G	50 x 50 x 70	175	3
DPS-BOD-7 S / G	60 x 60 x 60	200	3
DPS-BOD-8 S / G	60 x 63 x 60	227	3
DPS-BOD-9 S / G	55 x 55 x 90	270	3
DPS-BOD-11 S / G	60 x 60 x 90	324	3
DPS-BOD-14 S / G	60 x 63 x 106	400	4
DPS-BOD-16 S / G	60 x 60 x 125	450	4
DPS-BOD-17 S / G	60 x 63 x 132	500	4
DPS-BOD-19 S / G	65 x 65 x 130	550	4
DPS-BOD-21 S / G	80 x 80 x 95	600	4
DPS-BOD-28 S / G	80 x 80 x 125	800	4
DPS-BOD-35 S / G	80 x 80 x 157	1000	5

COOLING INCUBATORS / PHARMA REFRIGERATORS

DIAGNO PHARMA **COLD CHAMBERS / COOLING INCUBATORS / PHARMA REFRIGERATORS** are of superior quality and precise control designed to serve a wide array of requirements, more specifically to conduct life cycle testing, shelf-life studies, general incubation and refrigerated storage of reference standards, raw materials and vaccine storage. These Cooling Incubators guarantee extremely accurate temperature regulation and uniform temperature distribution.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	Units are highly insulated by 60 – 75 mm thick Poly Urethane Foam (PUF) insulation between the walls, PUF Density of 40 Kg/m³ ± 2 Kg/m³
Viewing Door	A transparent full-length Glass Door is provided to have a clear inner view of the samples / specimens put in, without disturbing the Thermal Conditions inside the chamber
Door Lock System	A key lockable Insulated Single Door having magnetic gasket, seals door gaps perfectly with Chamber Light (LED) with door switch
Cooling	By CFC Free Hermetically sealed Copeland / Danfoss make compressors utilizing an eco-friendly refrigerant
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Motorized Blower with Flange motor & impeller) for uniform temperature (Top Mounted)
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Temperature Range / Resolution	2 °C to 8 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±0.5 °C / ±0.1 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- Standby Refrigeration System (for 324 Ltrs. & above)
- **DIAGNOSCAN** - Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System

MODEL	Internal SIZE in cms (W x D x H)	CAPACITY (Litres)	No. of Trays
DPS-CC-3 S / G	45 x 45 x 45	90	2
DPS-CC-4 S / G	45 x 45 x 60	120	2
DPS-CC-5 S / G	50 x 50 x 60	150	3
DPS-CC-6 S / G	50 x 50 x 70	175	3
DPS-CC-7 S / G	60 x 60 x 60	200	3
DPS-CC-8 S / G	60 x 63 x 60	227	3
DPS-CC-9 S / G	55 x 55 x 90	270	3
DPS-CC-11 S / G	60 x 60 x 90	324	3
DPS-CC-14 S / G	60 x 63 x 106	400	4
DPS-CC-16 S / G	60 x 60 x 125	450	4
DPS-CC-17 S / G	60 x 63 x 132	500	4
DPS-CC-19 S / G	65 x 65 x 130	550	4
DPS-CC-21 S / G	80 x 80 x 95	600	4
DPS-CC-28 S / G	80 x 80 x 125	800	4
DPS-CC-35 S / G	80 x 80 x 157	1000	5
*DPS-CC-53 S / G *Double Door	145 x 80 x 130	1500	10
*DPS-CC-70 S / G *Double Door	145 x 80 x 175	2000	10

DEEP FREEZERS

DIAGNO PHARMA **DEEP FREEZERS** are specially designed for storage and preservation needs of Bio-Medical and Pharma industries, used for storing vaccines and other medical or pharmaceutical supplies., Restaurant Kitchen Food, Cold Drinks, Dairy Products. It is suitable for medical and scientific applications (ex. Reagents, biologicals, pharmaceuticals and other commonly used laboratory materials). These freezers are designed with low conductivity insulation and conduction cooling technology ensuring the specimen is preserved even during downtime. These Freezers provide energy efficient, convenient, safe and reliable performance for optimal storage temperature environments necessary for a wide range of Life Science, Pharmacy, Biological, Medical, Clinical and Industrial applications.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	Units are highly insulated by 70 – 85 mm thick Poly Urethane Foam (PUF) insulation between the walls, PUF Density of 40 Kg/m³ ± 2 Kg/m³
Door Lock	A fully insulated door with sturdy / Butt hinges, Toggle Clamp lock and gasket which acts as a perfect sealant with Chamber Light (LED) with door switch
Cooling	By CFC Free Hermetically sealed Copeland / Danfoss make compressors utilizing an eco-friendly refrigerant
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Temperature Range / Resolution	-20 °C, -40 °C and -80 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±0.5 °C / ±2.5 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- Standby Refrigeration System (for 324 Ltrs. & above) – [**Only for -20°C and -40°C**]
- **DIAGNOSCAN** - Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System

MODEL	Internal SIZE in cms (W x D x H)	CAPACITY (Litres)	No. of Trays
DPS-20/40/80DF-3 S / G	45 x 45 x 45	90	2
DPS-20/40/80DF-4 S / G	45 x 45 x 60	120	2
DPS-20/40/80DF-5 S / G	50 x 50 x 60	150	3
DPS-20/40/80DF-6 S / G	50 x 50 x 70	175	3
DPS-20/40/80DF-7 S / G	60 x 60 x 60	200	3
DPS-20/40/80DF-10 S / G	60 x 60 x 85	300	3
DPS-20/40/80DF-12 S / G	63 x 63 x 90	350	3
DPS-20/40/80DF-16 S / G	60 x 60 x 125	450	4
DPS-20/40/80DF-19 S / G	65 x 65 x 130	550	4
DPS-20/40/80DF-21 S / G	80 x 80 x 95	600	4

HEATING MANTLES

DIAGNO PHARMA **HEATING MANTLE** is referred to as a device which is used in laboratories to heat or temper certain media in glass vessels. Due to the various sizes of the glass vessels, the exact amounts of liquids which are necessary can be heated. A heating mantle is used in laboratories for the exact preparation of samples and thus, it is very important that these devices have a high level of functionality and accuracy. A typical heating mantle works with a round-bottom flask which is inserted into a basket made of woven fabric. Inside that round-bottom flask, there is the liquid to be heated or tempered by means of the heating elements which are located in the heating mantle.

The heat-up time is very short which enables laboratory professionals to start their work soon. Another advantage of using a heating mantle is that the heat is distributed very evenly, which means that the danger of hotspots on the flask is eliminated.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Single wall construction, Mounted on Heavy-Duty Buffers / Rubber Legs - Non-rusting Aluminium / housing with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	High density glass wool insulation between walls to Prevent heat dissipation
Heating Net	Thick hand knitted fiber glass netting equipped with Coil Heaters
Temperature Control	Temperature controlled by **Energy Regulator**
Heating	By High grade chrome plated Nichrome heating elements
Maximum Surface Temperature	250 °C
Temperature Accuracy	±2.5 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Dual Display Microprocessor based PID control with Digital LED 4-Digit display with external Temperature Sensor Probe
- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)

MODEL	FLASK CAPACITY	Rating in WATTS
DPS-HM-25 S / G	250 ml	150
DPS-HM-50 S / G	500 ml	200
DPS-HM-10 S / G	1 Ltr.	300
DPS-HM-20 S / G	2 Ltrs.	450
DPS-HM-30 S / G	3 Ltrs.	500
DPS-HM-50 S / G	5 Ltrs.	600
DPS-HM-100 S / G	10 Ltrs.	1000

HOT AIR OVENS

DIAGNO PHARMA **HOT AIR OVENS** are utilized for high-force thermal convection applications. Forced Convection Ovens generally provide uniform temperatures throughout. The oven is double walled to suit various applications in the field of laboratories, Hospitals, Research institutions, General Industries, Chemical Industries, colleges, medical, agricultural and industrial research for day-to-day curing, drying & exposures for high temperature testing with high accuracy and superior quality, sterilizing, preheating, conditioning, etc.

1) REGULAR / LABORATORY OVEN

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability (Models Above 120 Ltrs.) - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Air Ventilation is provided on the side to remove heat gases & fumes
Insulation	High density glass wool insulation between walls to Prevent heat dissipation
Door Lock	A fully insulated door with sturdy / Butt hinges, Toggle Clamp lock and gasket which acts as a perfect sealant
Heating	Heating by long life "U' Shaped Nichrome wire heater in SS sheathing
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Motorized Blower with Flange motor & impeller) for uniform temperature (Top Mounted)
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Temperature Range / Resolution	Ambient +5 °C to 250.0 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±1.0 °C @100 °C and ±2.0 °C @200 °C / ±1.0 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- **DIAGNOSCAN** - Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System

MODEL	Internal SIZE in inches (W x D x H)	CAPACITY (Liters)	No. of Trays
DPS-HAO-R-27 S / G	12 x 12 x 12	27	1
DPS-HAO-R-42 S / G	14 x 14 x 14	42	2
DPS-HAO-R-90 S / G	18 x 18 x 18	90	2
DPS-HAO-R-120 S / G	18 x 18 x 24	120	3
DPS-HAO-R-216 S / G	24 x 24 x 24	216	3
DPS-HAO-R-250 S / G	24 x 18 x 36	250	3
DPS-HAO-R-324 S / G	24 x 24 x 36	324	4
DPS-HAO-R-450 S / G	24 x 24 x 50	450	4

2) HOT AIR OVEN- PRECISION (Memmert Type)

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Triple wall construction, with Inner (Working Chamber) Double walled perforated on both sides for better Temperature uniformity made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability (Models Above 120 Ltrs.) - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Air Ventilation is provided on the side to remove heat gases & fumes
Insulation	High density glass wool insulation between walls to Prevent heat dissipation
Door Lock	A fully insulated door with sturdy / Butt hinges, Toggle Clamp lock and gasket which acts as a perfect sealant
Heating	Heating by long life "U' Shaped Nichrome wire heater in SS sheathing
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Motorized Blower with Flange motor & impeller) for uniform temperature (Top Mounted)
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Temperature Range / Resolution	Ambient +5 °C to 250.0 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±0.5 °C @100 °C and ±1.0 °C @200 °C / ±0.5 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- **DIAGNOSCAN** - Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System

MODEL	Internal SIZE in inches (W x D x H)	CAPACITY (Liters)	No. of Trays
DPS-HAO-P-27 S / G	12 x 12 x 12	27	1
DPS-HAO-P-42 S / G	14 x 14 x 14	42	2
DPS-HAO-P-90 S / G	18 x 18 x 18	90	2
DPS-HAO-P-120 S / G	18 x 18 x 24	120	3
DPS-HAO-P-216 S / G	24 x 24 x 24	216	3
DPS-HAO-P-250 S / G	24 x 18 x 36	250	3
DPS-HAO-P-324 S / G	24 x 24 x 36	324	4
DPS-HAO-P-450 S / G	24 x 24 x 50	450	4

HOT PLATES

DIAGNO PHARMA **HOT PLATE** is a portable self-contained tabletop small equipment that features one, two or more electric heating elements. A hot plate can have a flat surface, or round surface. In laboratory hot plates are generally designed to heat glassware or its contents, for drying liquids, chemical etc. Hot Plates are commonly used in field of Medical, Industrial, Research laboratories and Hospitals.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Plates are in Rectangular / Round Shape, Mounted on Heavy-Duty Buffers / Rubber Legs - Top Plate made form Cast Iron and Body made of thick Mild Steel (MS) with Powder Coat finish **(STD Model)** - Top Plate and Body Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	High density Ceramic wool insulation under plate to Prevent heat dissipation
Heating	By Long Lasting 80/20 Canthal wire coil Elements embedded with porcelain ceramic insulation beads.
Temperature Control	By **Thermostat**
Heat-Up Time	40 min. from ambient
Maximum Surface Temperature	300 °C
Temperature Accuracy	±3.0 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Dual Display Microprocessor based PID control with Digital LED 4-Digit display with Temperature Sensor (RTD PT-100) Probe
- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)

Round Model

MODEL	PLATE SIZE	RATING in Watts
DPS-HP-RD1 S / G	8” Dia	1200
DPS-HP-RD2 S / G	9” Dia	1500
DPS-HP-RD3 S / G	12” Dia	2000

Rectangular Model

MODEL	PLATE SIZE in Inches	RATING in Watts
DPS-HP-RC1 S / G	10 x 12	1200
DPS-HP-RC2 S / G	12 x 12	1500
DPS-HP-RC3 S / G	10 x 16	1700
DPS-HP-RC4 S / G	12 x 18	2000
DPS-HP-RC5 S / G	18 x 24	2500
DPS-HP-RC5 S / G	24 x 24	3000

LAMINAR AIR FLOWS

DIAGNO PHARMA **LAMINAR AIR FLOW** units are designed with high precision to deliver product protection in critical environments, to provide an ultra-clean work environment which is free from biological and particulate contamination.

LAF workstation is a closed cabinet fitted with HEPA filtered air flow system. Here, laminar means unidirectional constant flow of air with almost no or minimal turbulence. The air flow velocity remains between 0.3 m/s to 0.5 m/s. The purpose of using such workstations in laboratory is to create particle and bacteria free working environment to carry out specialized work. As these units discharge air towards user, they provide no personal protection but product protection from room contaminants. LAF is short form of laminar air flow.

Laminar Air Flow systems are used in various applications such as life science research, mushroom cultivation, microbiology, IVF, IUI and histopathology / pathology lab, plant tissue and cell culture and pharmaceutical and electronics industry and many more.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Working Table Top made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability - Exterior Body, Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Body, Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Glass / Thick transparent Acrylic View Side Panel with Aluminum channel for Glass fitting. - Glass Front Sash Manual Open / Close Arrangement with manual locking Systems
PRE Filter	It is primary air filter which filters room air initially and forward towards HEPA filter. 5-micron Flange Type, MOC: Aluminum, Media: Non-Woven synthetic Polyester Efficiency: 95 % down 5 Micron, Grade: EU5
HEPA Filter	This is final filter. Air filtered through pre filter is forwarded towards HEPA filter 0.3 micron Box Type, MOC: Aluminum, Media: Micro Fiber Glass Efficiency: 99.99 % down to 0.3 Micron, Grade: H14
Control System	**With Display indication** & Feather Touch Switches for Light, UV light, Motor Blower, etc.
Motor Blower System	Blower assembly draws room air through pre filter and throws towards HEPA filter. Double Shaft Motor Blower 1/0.5HP, 2800 RPM
Air Pressure Gauge	Magnehelic gauge is used to monitor differential pressure across HEPA filter with respect to ambient. Magnehelic Gauge 0-25mm
Inner chamber Sterilization	Through UV Germicidal Tube
Inner chamber Illumination	Fluorescent Tube Light
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Atmosphere Nozzle (SS-304)
- DOP Port for PAO Test (SS-304)

Horizontal Laminar Air flow : It is the most used type of laminar air flow. In horizontal air flow cabinet, room air is entered in working area through HEPA filter fitted on the back side of the cabinet. Filtered air flows horizontally towards the user creating sterile working environment.

MODEL	WORKING AREA (feet)	HEPA FILTER Dimensions	PRE-FILTER Quantity
DPS-LAF-H1 S / G	2 x 2 x 2	24” x 24” x 6” - 1 No.	1
DPS-LAF-H2 S / G	3 x 2 x 2	36” x 24” x 6” - 1 No.	2
DPS-LAF-H3 S / G	4 x 2 x 2	48” x 24” x 6” - 1 No.	2
DPS-LAF-H4 4 / G	6 x 2 x 2	36” x 24” x 6” - 2 Nos.	3

Vertical Laminar Air flow : In vertical flow cabinet, room air is entered in working area through HEPA filter fitted on top of the cabinet. Thus, air flows downward (vertically) towards work surface and leaves the cabinet sweeping out particles and bacteria.

MODEL	WORKING AREA (feet)	HEPA FILTER Dimensions	PRE-FILTER Quantity
DPS-LAF-V1 S / G	2 x 2 x 2	24” x 24” x 6” - 1 No.	1
DPS-LAF-V2 S / G	3 x 2 x 2	36” x 24” x 6” - 1 No.	2
DPS-LAF-V3 S / G	4 x 2 x 2	48” x 24” x 6” - 1 No.	2

MUFFLE FURNACE

DIAGNO PHARMA **MUFFLE FURNACE** is box type heat treatment equipment which is used to change physical properties of samples at very high temperature. These furnaces are made of ceramic muffle and it is also called by other names also in the market such as box furnace, laboratory furnace, ceramic muffle furnace etc.

These laboratory muffle furnaces are widely used in scientific experiments in physics labs, rice laboratories, steel and paint industries, biotech companies and small industrial production etc.

Furnace finds application in the growing field of Medical, Agricultural, Industrial, Research Laboratories, Metal Treatment & Wool Industries for Ash Determination, Heat treatment, Ignition test, Gravimetric analysis, Determination of volatile and suspended solids & Cement testing.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Internal Chamber is made of Sillimanite Muffle, HFK Bricks are used for Door and Muffle support - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Ventilation hole is provided for fume exhaust
Insulation	High quality Ceramic Wool insulation to give maximum thermal efficiency
Heating	By long lasting, thick gauge KANTHAL A-1 heating elements
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	K-Type Thermocouple Sensor, with Accuracy of ±3 °C
Heat-Up Time	60 min. up to 1100°C without load from ambient
Max. Temperature Range / Resolution	1100 °C (Working Temperature: 1050 °C) / Resolution of 1.0 °C
Temperature Accuracy	±3.0 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)

MODEL	Internal SIZE in inches (W x H x D)	CAPACITY (Litres)
DPS-MF-1 S / G	4 x 4 x 9	2.3
DPS-MF-2 S / G	5 x 5 x 10	3.9
DPS-MF-3 S / G	6 x 6 x 12	6.8
DPS-MF-4 S / G	8 x 8 x 12	12.0
DPS-MF-5 S / G	9 x 9 x 18	23.8

OIL BATH

DIAGNO PHARMA **OIL BATH** is a type of heated bath ideal for reactions, extraction, analysis & other lab tests in a laboratory, most commonly used to heat up chemical reactions. It is essentially a container of oil that is heated by a hot plate or Coil. These baths are commonly used to heat reaction mixtures more evenly than would be possible with a hot plate alone, as the entire outside of the reaction flask is heated.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall leak proof Argon Welded with Inner made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Buffers / Rubber Legs - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Supplied without lid
Insulation	High density glass wool insulation between walls to minimize the heat loss
Heating	Heating by long life Immersion Type Nichrome wire heater in SS sheathing
Temperature Control	By Capillary **Thermostat**
Temperature Range	Ambient +5 °C to 250.0 °C
Temperature Accuracy	±3.0 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Dual Display Microprocessor based PID control with Digital LED 4-Digit display with external Temperature Sensor (RTD PT-100) Probe
- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)

MODEL	FLASK CAPACITY	Working Size (Dia x Ht)	RATING in Watts
DPS-OB-1 S / G	1 Ltr.	7” x 7”	1000
DPS-OB-2 S / G	2 Ltrs.	8” x 8”	1000
DPS-OB 3 S / G	3 Ltrs.	9” x 9”	1500
DPS-OB-5 S / G	5 Ltrs.	10” x 10”	2000
DPS-OB-10 S / G	10 Ltrs.	14” x 14”	2000
DPS-OB-20 S / G	20 Ltrs.	16” x 16”	2500

PHOTOSTABILITY CHAMBERS

DIAGNO PHARMA **PHOTOSTABILITY CHAMBERS** are developed according to meet the ICH & GMP guidelines for Photo Stability Testing. The chambers closely monitor photogenic effect along with temperature & Humidity (Optional) for not less than 1.2 million Lux hours and Ultra Violet (UV) source of energy for not less than 200 watts hours/sq. meter on the drug, drug substance & samples.

Photostability Chambers are design to create Nature Climatic conditions with the help of dry air, refrigeration & built- in Humidity system (Optional). This Chambers are basically in application with Pharmaceuticals, & also Electro- Mechanical R&D test to confirm the successful result of the product under test.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	Units are highly insulated by 60 – 75 mm thick Poly Urethane Foam (PUF) insulation between the walls, PUF Density of 40 Kg/m³ ± 2 Kg/m³
Viewing Door	A transparent full-length Glass Door is provided to have a clear inner view of the samples / specimens put in, without disturbing the Thermal Conditions inside the chamber
Door Lock System	A key lockable Insulated Single Door having magnetic gasket, seals door gaps perfectly with Chamber Light (LED) with door switch
Heating	Heating by long life "U' Shaped Nichrome wire heater in SS sheathing
Cooling	By CFC Free Hermetically sealed Copeland / Danfoss make compressors utilizing an eco-friendly refrigerant
Humidity System (Optional)	Humidity is produced by Steam Injection System with Boiler Tank
Boiler Tank (Optional)	Complete set made of Stainless-Steel including Humidifier Heater and insulation
Reservoir Tank(Optional)	Complete set made of Stainless-Steel including accessories like float switch, float valve
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Motorized Blower with Flange motor & impeller)) ensures even air for uniform Temperature & Humidity within the chamber
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Control System	Control System Comprised of **Dual Display Microprocessor based Combo PID Temp. & RH Controller** with PT-100 RTD Class 'A' & Capacitance Type RH Sensor
Lighting System (Single Light Tray)	Exposure of cool white Fluorescent Tubes for day light effect and UV tubes for ultraviolet ray in accordance with the ICH guidelines requirement of a lighting energy for 1.2 mil lux hours and UV-A light for 200-watt hours/m2 on the test samples **LUX Intensities :** 12 Klux (requires about 100 – 200 Hours achieving ICH recommendation of 1.2million lux-hr) **UVA Intensities :** 1.8 W/m2 (requires about 100 – 111 Hours achieving ICH recommendation of 200W-hr/m2) Combined light exposure or individual light exposure with manual / automatic light cut off system after exposure is achieved UV light will be switched OFF when the door is open
Temperature Range / Resolution	10 °C to 60 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±0.5 °C / ±2.0 °C
Humidity Range (Optional) **/ Resolution**	40 %RH to 90 %RH / Resolution of 0.1 %RH
Humidity Accuracy (Optional) **/ Uniformity**	±1 %RH / ±3 %RH
Electrical Supply	230 VAC / 15A / 50 Hz

PHOTOSTABILITY CHAMBERS

Recommended for conditions as per ICH guidelines	
25°C / 40 %RH	25°C / 60 %RH
30°C / 60 %RH	30°C / 65 %RH
40°C / 25 %RH	40°C / 75 %RH

SAFETY FEATURES

- Redundant high temperature safety system with Audio Visual Alarm & safety Thermostat
- High / Low humidity safety system with Audio Visual Alarm
- Inbuilt Overload protection relay for compressor
- Inbuilt Compressor ON delay timer, to safeguard the compressor.
- Short circuit protection for complete Unit Through dedicated MCBs.

OPTIONAL ACCESSORIES

- External Safety Control for High / Low Temperature and High / Low Humidity
- Standby Refrigeration (Cooling) System (for 324 Ltrs. & above)
- Standby Humidity System (for 324 Ltrs. & above)
- **DIAGNOSCAN** - Temperature + Humidity Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature + Humidity Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System
- Mobile SMS Alert System Via GSM Technology in case of system failure (SIM Card in customer's scope)
- Magnetic Door Lock System (Password Protected through HMI)
- Digital LUX and UV Meters

MODEL	Internal SIZE in cms (W x D x H)	CAPACITY (Litres)	No. of Trays
DPS-PSC-4 S / G	45 x 45 x 60	120	2
DPS-PSC-5 S / G	50 x 50 x 60	150	3
DPS-PSC-6 S / G	50 x 50 x 70	175	3
DPS-PSC-7 S / G	60 x 60 x 60	200	3
DPS-PSC-9 S / G	55 x 55 x 90	270	3
DPS-PSC-11 S / G	60 x 60 x 90	324	3
DPS-PSC-14 S / G	60 x 63 x 106	400	4
DPS-PSC-16 S / G	60 x 60 x 125	450	4
DPS-PSC-17 S / G	60 x 63 x 132	500	4
DPS-PSC-21 S / G	80 x 80 x 95	600	4
DPS-PSC-28 S / G	80 x 80 x 125	800	4
DPS-PSC-35 S / G	80 x 80 x 157	1000	5

SONICATORS - ULTRASONIC BATH / CLEANER

Sonication is a process in which sound waves are used to agitate particles in solution. Such disruptions can be used to mix solutions, speed the dissolution of a solid into a liquid (like sugar into water) and remove dissolved gas from liquids.

DIAGNO PHARMA **ULTRASONIC CLEANERS** uses cavitation bubbles induced by high frequency pressure (sound) waves to agitate a liquid. The agitation produces high forces on contaminants adhering to substrates like metals, plastics, glass, rubber, and ceramics. This action also penetrates blind holes, cracks, and recesses.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Buffers / Rubber Legs / Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability (Models Above 30 Ltrs.) - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Supplied with lid for low noise
Ultrasonic Generator	With latest High Durable MOSFET / IGBT based technology, With Auto Degassing & short circuit protection technology
Frequency	33 kHz or 40 kHz ±3 kHz (Any one Fixed Frequency)
Timer	Micro Controller base Digital Timer, 0 – 15 / 30 minutes. User settable keys
Heating	Heating by long life Immersion Type Nichrome wire heater in SS sheathing
Temperature Control (Optional)	**Digital Temperature Controller** with two Digit LED Display with Up / Down settable Keys . Settable from Ambient Temp to 60 °C / 70 °C
Transducers	PZT Sandwich type bonded at the bottom side of the tank with weld bond technique
Basket	Removable SS wire mesh heavy duty (Rod Type)
Temperature Range	Ambient +5 °C to 60 °C / 70 °C
Temperature Accuracy	±0.5 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Drainage Ball Valve
- Digital Temperature Control

MODEL	Tank SIZE in mm (L x W x H)	Tank CAPACITY (Liters)	Heater (Power) Rating in Watts	DIGITAL Timer
DPS-USB-E-15	240 x 145 x 65	1.5	50	0 – 15 Min.
DPS-USB-E-25	245 x 145 x 100	2.5	70	0 – 15 Min.
DPS-USB-E-35	300 x 150 x 100	3.5	100	0 – 15 Min.
DPS-USB-E-50	245 x 245 x 100	5.0	150	0 – 30 Min.
DPS-USB-E-65	300 x 150 x 150	6.5	200	0 – 30 Min.
DPS-USB-E-90	300 x 200 x 150	9.0	250	0 – 30 Min.
DPS-USBE-100	300 x 220 x 150	10.0	250	0 – 30 Min.
DPS-USB-E-130	330 x 300 x 150	13.0	270	0 – 30 Min.
DPS-USB-E-150	300 x 320 x 150	15.0	300	0 – 30 Min.
DPS-USB-E-200	500 x 300 x 150	20.0	350	0 – 30 Min.
DPS-USB-E-250	400 x 300 x 210	25.0	400	0 – 30 Min.
DPS-USB-E-300	400 x 300 x 250	30.0	500	0 – 30 Min.
DPS-USB-E-350	500 x 350 x 200	35.0	500	0 – 30 Min.
DPS-USB-E-400	500 x 400 x 200	40.0	600	0 – 30 Min.
DPS-USB-E-500	600 x 400 x 210	50.0	700	0 – 30 Min.
DPS-USB-E-600	600 x 400 x 250	60.0	750	0 – 30 Min.

SONICATORS - ULTRASONIC WITH CHILLER

DIAGNO PHARMA **SONICATOR WITH CHILLER** provides an advanced solution for precise and efficient ultrasonic processing with integrated temperature control. Ideal for applications requiring low processing temperatures, this Sonicator ensures thorough and consistent results while maintaining the integrity of temperature-sensitive samples. Its robust design and advanced features make it an essential tool for various scientific and industrial applications.

Sonication generates heat which may be harmful to some applications. Controlling temperature by adding ice chips and repeatedly changing water is no longer necessary. Perfect for applications where traditional methods fall short, the Sonicator with Chiller provides reliable and powerful performance, enhancing productivity and ensuring optimal results in laboratories, research facilities, and industrial settings.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Buffers Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability (Models Above 20 Ltrs.) - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Supplied with lid for low noise
Ultrasonic Generator	With latest High Durable MOSFET / IGBT based technology, With Auto Degassing & short circuit protection technology
Frequency	33 kHz or 40 kHz ±3 kHz (Any one Fixed Frequency)
Timer	Micro Controller base Digital Timer, 0 – 15 / 30 minutes. User settable keys
Temperature Control (Optional)	**Digital Temperature Controller** with two Digit LED Display with Up / Down settable Keys
Transducers	PZT Sandwich type bonded at the bottom side of the tank with weld bond technique with protection for chilled water condensation
Basket	Removable SS wire mesh heavy duty (Rod Type)
Chiller Unit	Connected to water storage tank to reduce the water temperature to maintain low processing temperatures. Has inbuilt pump to circulate chilled water through the SS cooling coils and bringing back to chiller unit
Temperature Range	5 °C to Ambient
Temperature Accuracy	±2.0 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Drainage Ball Valve

MODEL	Tank SIZE in mm (L x W x H)	Tank CAPACITY (Liters)	DIGITAL Timer
DPS-USC-10	300 x 220 x 150	10.0	0 – 30 Min.
DPS-USC-15	300 x 320 x 150	15.0	0 – 30 Min.
DPS-USC-20	500 x 300 x 150	20.0	0 – 30 Min.
DPS-USC-30	400 x 300 x 250	30.0	0 – 30 Min.
DPS-USC-40	500 x 400 x 200	40.0	0 – 30 Min.
DPS-USC-50	600 x 400 x 210	50.0	0 – 30 Min.

SONICATORS - ULTRASONIC HOMOGENIZER / PROBE SONICATOR

DIAGNO PHARMA **ULTRASONIC HOMOGENIZER/ PROBE SONICATOR** offers precision engineering with all the necessary features to create a total system for ultrasonic disruption. In biological applications, Probe Sonicator is often used to disrupt cell membranes and release cellular contents. Probe Sonicator is also used to fragment molecules of DNA.

Probe Sonicator is commonly used in nanotechnology for evenly dispersing nanoparticles in liquids and for breaking down particles to nano size.

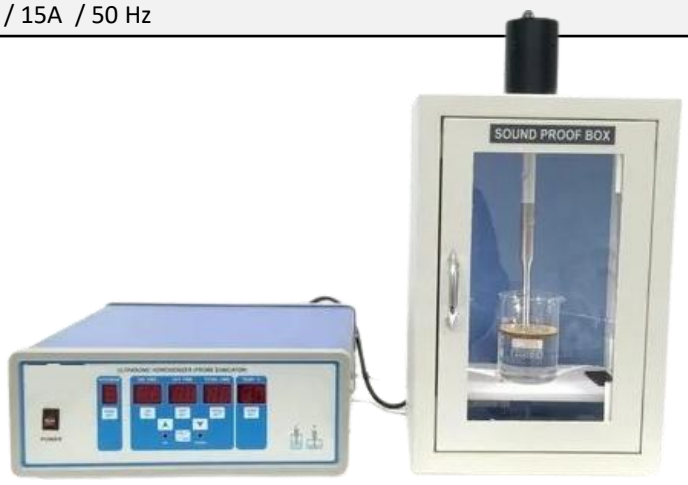
Ultrasonic Homogenizers are recommended for homogenization and analysis of laboratory samples that do not require traditional grinding or rotor-stator cutting techniques for processing.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Buffers / Rubber Legs / Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability (Models Above 30 Ltrs.) - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Supplied with lid for low noise
Ultrasonic Generator	With latest High Durable MOSFET / IGBT based technology, With Auto Degassing & short circuit protection technology
Frequency	20 kHz ±3 kHz (Power Adjustable: 20% to 100%)
Timer	Micro Controller base Digital Timer, 0 – 90 minutes. User settable keys On/off impulse timer deal with temperature sensitive samples On and off can be chosen to continue setting from 1s , 4s or 8s with ±1%
Temperature Control	**Digital Temperature Controller** with two Digit LED Display. User settable Keys Displays set and Actual (Real Time) Temperature in Sample.
Transducers	Velocity Horn fitted with PZT Crystals Sandwich type bonded at the bottom side of the tank with weld bond technique with protection for chilled water condensation
Probe Material	Titanium Alloy
Temperature Range	Ambient +5 °C to 100 °C
Temperature Accuracy	±0.5 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Sound Enclosure (Soundproof Box)
- Extra Probe



MODEL	CAPACITY	Probe Max. Tip Dia.	Heater (Power) Rating in Watts	DIGITAL Timer
DPS-USH-150	3 – 120 ml	3 / 6 mm	150	0 – 30 Min.
DPS-USH-250	10 – 200 ml	6 mm	250	0 – 30 Min.
DPS-USH-500	25 – 400 ml	6 / 12 mm	500	0 – 30 Min.
DPS-USH-750	60 – 600 ml	12 / 20 mm	750	0 – 30 Min.
DPS-USH-1000	100 – 900 ml	16 / 20 mm	1000	0 – 30 Min.
DPS-USH-1200	1200 ml	20 mm	1200	0 – 30 Min.
DPS-USH-1500	1500 ml	25 mm	1500	0 – 30 Min.

STABILITY CHAMBERS

DIAGNO PHARMA **STABILITY CHAMBERS** are perfectly designed for the high requirements of stability studies and climatic tests, these Chambers specifically developed to meet stability requirements generating exceptional control and uniformity of both temperature and humidity. Scientific Chamber repeatedly produces required conditions, structural integrity that keeps the chamber working properly through years of demanding test cycles.

The purpose of Stability testing is to provide evidence on how the quality of a drug substance or drug product varies with time under the influence of a variety of environmental factors such as temperature and humidity and to establish a re-test period for the drug substance or product under recommended storage conditions. Hence, these Chamber serves as an important quality attribute for the product.

Stability Chambers are designed for testing of electronic, electrical components, corrosion studies on mechanical parts, shelf-life studies on paints, in Pharmaceutical & Packaging sector and Other Q/C and Q/A Labs, varnishes and cement at respective manufacturing facilities.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Castor Wheels (Front Lockable) for Easy Moveability - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	Units are highly insulated by 60 – 75 mm thick Poly Urethane Foam (PUF) insulation between the walls, PUF Density of 40 Kg/m³ ± 2 Kg/m³
Viewing Door	A transparent full-length Glass Door is provided to have a clear inner view of the samples / specimens put in, without disturbing the Thermal Conditions inside the chamber
Door Lock System	A key lockable Insulated Single Door having magnetic gasket, seals door gaps perfectly with Chamber Light (LED) with door switch
Heating	Heating by long life "U' Shaped Nichrome wire heater in SS sheathing
Cooling	By CFC Free Hermetically sealed Copeland / Danfoss make compressors utilizing an eco-friendly refrigerant
Humidity System	Humidity is produced by Steam Injection System with Boiler Tank
Boiler Tank	Complete set made of Stainless-Steel including Humidifier Heater and insulation
Reservoir Tank	Complete set made of Stainless-Steel including accessories like float switch, float valve
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Motorized Blower with Flange motor & impeller)) ensures even air for uniform Temperature & Humidity within the chamber
Shelf / Trays	Removable & Height Adjustable SS wire mesh heavy duty (Rod Type)
Control System	Control System Comprised of **Dual Display Microprocessor based Combo PID Temp. & RH Controller** with LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Humidity Sensor	Best Quality capacitance type RH Sensor
Temperature Range / Resolution	10 °C to 60 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±0.5 °C / ±1.0 °C
Humidity Range / Resolution	20 %RH to 90 %RH / Resolution of 0.1 %RH
Humidity Accuracy / Uniformity	±1 %RH / ±3 %RH
Electrical Supply	230 VAC / 15A / 50 Hz

STABILITY CHAMBERS

Recommended for conditions as per ICH guidelines	
25°C / 40 %RH	25°C / 60 %RH
30°C / 60 %RH	30°C / 65 %RH
30°C / 70 %RH	30°C / 75 %RH
40°C / 25 %RH	40°C / 75 %RH

SAFETY FEATURES

- Redundant high temperature safety system with Audio Visual Alarm & safety Thermostat
- High / Low humidity safety system with Audio Visual Alarm
- Inbuilt Overload protection relay for compressor
- Inbuilt Compressor ON delay timer, to safeguard the compressor.
- Short circuit protection for complete Unit Through dedicated MCBs.

OPTIONAL ACCESSORIES

- External Safety Control for High / Low Temperature and High / Low Humidity
- Standby Refrigeration (Cooling) System (for 324 Ltrs. & above)
- Standby Humidity System (for 324 Ltrs. & above)
- **DIAGNOSCAN** - Temperature + Humidity Scanner 4 / 8 Channels (for 90 Ltrs. & above)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature + Humidity Scanner 4 / 8 Channels (for 90 Ltrs. & above) with PLC + HMI System
- Mobile SMS Alert System Via GSM Technology in case of system failure (SIM Card in customer's scope)
- Magnetic Door Lock System (Password Protected through HMI)

MODEL		Internal SIZE in cms (W x D x H)	CAPACITY (Litres)	No. of Trays
DPS-SC-3 S / G		45 x 45 x 45	90	2
DPS-SC-4 S / G		45 x 45 x 60	120	2
DPS-SC-5 S / G		50 x 50 x 60	150	3
DPS-SC-6 S / G		50 x 50 x 70	175	3
DPS-SC-7 S / G		60 x 60 x 60	200	3
DPS-SC-8 S / G		60 x 63 x 60	227	3
DPS-SC-9 S / G		55 x 55 x 90	270	3
DPS-SC-11 S / G		60 x 60 x 90	324	3
DPS-SC-14 S / G		60 x 63 x 106	400	4
DPS-SC-16 S / G		60 x 60 x 125	450	4
DPS-SC-17 S / G		60 x 63 x 132	500	4
DPS-SC-19 S / G		65 x 65 x 130	550	4
DPS-SC-21 S / G		80 x 80 x 95	600	4
DPS-SC-28 S / G		80 x 80 x 125	800	4
DPS-SC-35 S / G		80 x 80 x 157	1000	5
*DPS-SC-53 S / G	*Double Door	145 x 80 x 130	1500	10
*DPS-SC-70 S / G	*Double Door	145 x 80 x 175	2000	10

VACUUM OVENS

DIAGNO PHARMA **VACCUM OVENS** are very versatile type of equipment with applications in laboratory research, engineering, and industry. A vacuum oven is most often used for delicate processes, such as drying tiny parts without oxidation and residue or removing flammable solvents. The low-pressure environment also minimizes oxidation during drying. Vacuum oven is an ideal choice where, samples are dried in absence of atmosphere (vacuum condition) or presence of inert atmosphere (Argon, Nitrogen, Clean Dry Air).

In vacuum ovens, the heat-treating process takes place inside a vessel that is airtight. This allows a vacuum to be drawn inside the vessel. The entire heat-treating process can take place under vacuum or precisely controlled atmospheres can be introduced. The purpose of using vacuum oven is to eliminate surface reactions (condensation or oxidation) on the parts inside the oven

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade with Two valves, one for evacuating and other for purging / flushing - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Air Ventilation is provided on the side to remove heat gases & fumes
Insulation	High density glass wool insulation upto 100mm between walls to Prevent heat dissipation
Door Lock	Provided with silicon gasket & positive latch to maintain seal at all vacuum levels with Toughened glass window allows clear observation of load
Heating	Specially designed heating element (high grade Nichrome wire Heaters) that eliminate exposed heaters giving smooth chamber surface
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Shelf / Trays	Removable Non-Perforated Flat SS Trays
Temperature Range / Resolution	50.0 °C to 200.0 °C / Resolution of 0.1 °C
Maximum Vacuum	Upto 760 mmHg of Mercury (better than 28.0 inches of Hg)
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- External Safety Control for High Temperature
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features
- Complete PLC + HMI Based System with 21CFR Software
- Vacuum Pump

ROUND MODEL

MODEL	Internal SIZE in inches (Dia x D)	CAPACITY (Litres)	No. of Trays
DPS-VO-RD-E-12 S / G	9 x 12	12	1
DPS-VO-RD-E-21 S / G	12 x 12	21	2
DPS-VO-RD-E-27 S / G	12 x 15	27	2
DPS-VO-RD-E-52 S / G	15 x 18	52	3
DPS-VO-RD-E-75 S / G	16 x 24	75	3

RECTANGULAR MODEL

MODEL	Internal SIZE in inches (Dia x D)	CAPACITY (Litres)	No. of Trays
DPS-VO-REC-E-12 S / G	8 x 8 x 12	12	1
DPS-VO-REC-E-27 S / G	12 x 12 x 12	27	2
DPS-VO-REC-E-40 S / G	12 x 12 x 18	40	2
DPS-VO-REC-E-62 S / G	14 x 14 x 20	62	3
DPS-VO-REC-E-90 S / G	18 x 18 x 18	90	3
DPS-VO-REC-E-121 S / G	18 x 18 x 24	121	4
DPS-VO-REC-E-187 S / G	20 x 20 x 30	187	4
DPS-VO-REC-E-216 S / G	24 x 24 x 24	216	5
DPS-VO-REC-E-324 S / G	24 x 24 x 36	324	5

WALK–IN INCUBATORS / COLD ROOMS

DIAGNO PHARMA **WALK-IN INCUBATORS / COLD ROOMS** are superior in airflow distribution, temperature control technology. All these chambers are medium to large-sized chambers that are custom-built double walled & modular in construction, easy to assemble at site. These Cooling Incubators guarantee extremely accurate temperature regulation and uniform temperature distribution.

Walk in Cold Rooms are suitable for stability storage test conditions ranging from **2 °C to 8 °C** and **5 °C to 60 °C**. They are complaint to GMP requirements and can be used to store pharmaceutical raw materials (API) to bulk storage of final packaged products.

Walk-in Incubators are of superior quality and precise control designed to serve a wide array of requirements, more specifically to conduct Life cycle testing, Shelf-life studies, General incubation and Refrigerated storage of reference standards, raw materials and vaccine storage.

They are available in standard sizes & can also be tailor made to suit specific requirements.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade ➢ Pre-fabricated doubled walled modular panels with PUF insulation ➢ Floor panels having extra reinforcement to sustain the movement and sample load inside the chamber - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	Modular panels are highly insulated by 60 – 80 mm thick Poly Urethane Foam (PUF) insulation between the walls, PUF Density of 40 Kg/m³ ± 2 Kg/m³
Viewing Door	Vacuum sealed observation glass window with dimension is Approx. 300 x 300mm Height
Door Lock System	A key lockable Insulated Single Heavy-duty Door [(900 (L) 1800 (H)mm] with Heavy-duty hinges and latches to maintain a secure and uniform seal
Heating	Heating by long life "U' Shaped Nichrome wire heater in SS sheathing **For 5 °C to 60 °C WALK-IN BOD INCUBATORS**
Cooling	By CFC Free Hermetically sealed Copeland / Danfoss make compressors utilizing an eco-friendly refrigerant (Hydronic System – Optional)
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Centrifugal Blower with Flange motor & impeller)) ensures even air for uniform Temperature & Humidity within the chamber
Shelf / Trays	Removable Racks & Adjustable Trays made up of Stainless Steel 304 Grade
Control System	Control System Comprised of **Dual Display Microprocessor based combo PID Controller** with LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Temperature Range / Resolution	2 °C to 8 °C / Resolution of 0.1 °C – **WALK-IN COLD ROOMS** 5 °C to 60 °C / Resolution of 0.1 °C – **WALK-IN BOD INCUBATORS**
Temperature Accuracy / Uniformity	±1.0 °C / ±2.0 °C
Electrical Supply	230 VAC / 15A / 50 Hz

WALK–IN INCUBATORS / COLD ROOMS

SAFETY FEATURES

- Redundant high temperature safety system with Audio Visual Alarm & safety Thermostat
- High / Low humidity safety system with Audio Visual Alarm
- Inbuilt Overload protection relay for compressor
- Inbuilt Compressor ON delay timer, to safeguard the compressor.
- Short circuit protection for complete Unit Through dedicated MCBs.
- Panic switch inside the chamber with audible alarm outside

OPTIONAL ACCESSORIES

- External Safety Control for High / Low Temperature and High / Low Humidity
- Standby Refrigeration (Cooling) System
- Standby Humidity System
- **DIAGNOSCAN** - Temperature Scanner 4 / 8 Channels
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features (Desktop Based)
- Complete PLC + HMI Based System with 21CFR Software
- Temperature Scanner 4 / 8 Channels with PLC + HMI System
- Mobile SMS Alert System Via GSM Technology in case of system failure (SIM Card in customer's scope)
- Magnetic Door Lock System (Password Protected through HMI)

MODEL	Internal SIZE in mm (W x D x H)	CAPACITY (Litres)	No. of Racks	No. of Trays
DPS-WCC-4 S / G	2000 x 1000 x 2000	4,000	4	16
DPS-WCC-5 S / G	2000 x 1250 x 2000	5,000	4	16
DPS-WCC-6 S / G	2000 x 1500 x 2000	6,000	4	16
DPS-WCC-8 S / G	2000 x 2000 x 2000	8,000	6	24
DPS-WCC-10 S / G	2100 x 2100 x 2300	10,000	6	24
DPS-WCC-12 S / G	2300 x 2300 x 2300	12,000	6	24
DPS-WCC-15 S / G	2600 x 2500 x 2300	15,000	6	24
DPS-WCC-18 S / G	3000 x 2600 x 2300	18,000	8	32
DPS-WCC-20 S / G	3000 x 2900 x 2300	20,000	8	32
DPS-WCC-25 S / G	3500 x 3100 x 2300	25,000	8	32
DPS-WCC-30 S / G	3500 x 3500 x 2500	30,000	8	32
DPS-WCC-35 S / G	3800 x 3700 x 2500	35,000	10	40
DPS-WCC-40 S / G	4000 x 4000 x 2500	40,000	10	40
DPS-WCC-45 S / G	4300 x 4200 x 2500	45,000	12	48
DPS-WCC-50 S / G	4500 x 4500 x 2500	50,000	12	48

WALK–IN STABILITY CHAMBERS

DIAGNO PHARMA **WALK-IN STABILITY CHAMBERS** are designed for simulating, monitoring & control of environmental conditions like temperature & humidity. All these chambers are medium to large-sized chambers that are custom-built double walled & modular in construction, easy to assemble at site. Walk-in Stability Chambers are perfectly designed for the high requirements of stability studies and climatic tests. These Chambers repeatedly produces required conditions, structural integrity that keeps the chamber working properly through years of demanding test cycles. This has also led to huge load reduction on the heating, cooling & humidifier systems.

The purpose of Stability testing is to provide evidence on how the quality of a drug substance or drug product varies with time under the influence of a variety of environmental factors such as temperature and humidity. Also used for Food & Beverages, Medical devices, Cosmetics and other items to check the environmental effects on the product.

They are available in standard sizes & can also be tailor made to suit specific requirements.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall construction, with Inner (Working Chamber) made of Stainless Steel – 304 Grade ➢ Pre-fabricated doubled walled modular panels with PUF insulation ➢ Floor panels having extra reinforcement to sustain the movement and sample load inside the chamber - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)**
Insulation	Modular panels are highly insulated by 60 – 80 mm thick Poly Urethane Foam (PUF) insulation between the walls, PUF Density of 40 Kg/m³ ± 2 Kg/m³
Viewing Door	Vacuum sealed observation glass window with dimension is Approx. 300 x 300mm Height
Door Lock System	A key lockable Insulated Single Heavy-duty Door [(900 (L) 1800 (H)mm] with Heavy-duty hinges and latches to maintain a secure and uniform seal
Heating	Heating by long life "U' Shaped Nichrome wire heater in SS sheathing
Cooling	By CFC Free Hermetically sealed Copeland / Danfoss make compressors utilizing an eco-friendly refrigerant (Hydronic System – Optional)
Humidity System	Humidity is produced by Steam Injection System with Boiler Tank
Boiler Tank	Complete set made of Stainless-Steel including Humidifier Heater and insulation
Reservoir Tank	Complete set made of Stainless-Steel including accessories like float switch, float valve
Air Circulation	Forced Air Circulation (Mechanical Convection) system (Centrifugal Blower with Flange motor & impeller)) ensures even air for uniform Temperature & Humidity within the chamber
Shelf / Trays	Removable Racks & Adjustable Trays made up of Stainless Steel 304 Grade
Control System	Control System Comprised of **Dual Display Microprocessor based combo PID Controller** with LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Humidity Sensor	Best Quality Capacitance type RH Sensor
Temperature Range / Resolution	10 °C to 60 °C / Resolution of 0.1 °C
Temperature Accuracy / Uniformity	±1.0 °C / ±2.0 °C
Humidity Range / Resolution	20 %RH to 90 %RH / Resolution of 0.1 %RH
Humidity Accuracy / Uniformity	±2 %RH / ±3 %RH
Electrical Supply	230 VAC / 15A / 50 Hz

WALK–IN STABILITY CHAMBERS

Recommended for conditions as per ICH guidelines	
25°C / 40 %RH	25°C / 60 %RH
30°C / 60 %RH	30°C / 65 %RH
30°C / 70 %RH	30°C / 75 %RH
40°C / 25 %RH	40°C / 75 %RH

SAFETY FEATURES

- Redundant high temperature safety system with Audio Visual Alarm & safety Thermostat
- High / Low humidity safety system with Audio Visual Alarm
- Inbuilt Overload protection relay for compressor
- Inbuilt Compressor ON delay timer, to safeguard the compressor.
- Short circuit protection for complete Unit Through dedicated MCBs.
- Panic switch inside the chamber with audible alarm outside

OPTIONAL ACCESSORIES

- External Safety Control for High / Low Temperature and High / Low Humidity
- Standby Refrigeration (Cooling) System
- Standby Humidity System
- **DIAGNOSCAN** - Temperature + Humidity Scanner 4 / 8 Channels
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features
- Complete PLC + HMI Based System with 21CFR Software
- Temperature + Humidity Scanner 4 / 8 Channels with PLC + HMI System
- Mobile SMS Alert System Via GSM Technology in case of system failure (SIM Card in customer's scope)
- Magnetic Door Lock System (Password Protected through HMI)

MODEL	Internal SIZE in mm (W x D x H)	CAPACITY (Litres)	No. of Racks	No. of Trays
DPS-WSC-4 S / G	2000 x 1000 x 2000	4,000	4	16
DPS-WSC-5 S / G	2000 x 1250 x 2000	5,000	4	16
DPS-WSC-6 S / G	2000 x 1500 x 2000	6,000	4	16
DPS-WSC-8 S / G	2000 x 2000 x 2000	8,000	6	24
DPS-WSC-10 S / G	2100 x 2100 x 2300	10,000	6	24
DPS-WSC-12 S / G	2300 x 2300 x 2300	12,000	6	24
DPS-WSC-15 S / G	2600 x 2500 x 2300	15,000	6	24
DPS-WSC-18 S / G	3000 x 2600 x 2300	18,000	8	32
DPS-WSC-20 S / G	3000 x 2900 x 2300	20,000	8	32
DPS-WSC-25 S / G	3500 x 3100 x 2300	25,000	8	32
DPS-WSC-30 S / G	3500 x 3500 x 2500	30,000	8	32
DPS-WSC-35 S / G	3800 x 3700 x 2500	35,000	10	40
DPS-WSC-40 S / G	4000 x 4000 x 2500	40,000	10	40
DPS-WSC-45 S / G	4300 x 4200 x 2500	45,000	12	48
DPS-WSC-50 S / G	4500 x 4500 x 2500	50,000	12	48

WATER BATH

DIAGNO PHARMA **WATER BATH** is laboratory equipment made from a container filled with heated water. It is used to incubate samples in water at a constant temperature over a long period of time. It is also used to enable certain chemical reactions to occur at high temperature.

Water baths are used in Industrial Clinical Laboratories, Academic facilities, Government Research Laboratories, Environmental applications as well as Food Technology and Wastewater plants. Because water retains heat so well, using water baths was one of the very first means of incubation.

Applications include warming of reagents, melting of substrates or incubation of cell cultures, sample thawing, bacteriological examinations, warming reagents, coliform determinations and microbiological assays.

SALIENT FEATURES & TECHNICAL SPECIFICATIONS

Construction	Double wall leak proof Argon Welded with Inner made of Stainless Steel – 304 Grade, Mounted on Heavy-Duty Buffers / Rubber Legs - Exterior Mild Steel (MS) with Powder Coat finish **(STD Model)** - Exterior Fully Stainless Steel with Dull Matt finish **(GMP Model)** - Supplied with / without Lid
Insulation	High density glass wool insulation between walls to minimize the heat loss
Heating	Heating by long life Immersion Type Nichrome wire heater in SS sheathing
Temperature Control	**Dual Display Microprocessor based PID control** with Digital LED 4-Digit display
Temperature Sensor	PT-100 RTD Class 'A', with Accuracy of ±0.5 °C
Temperature Range	Ambient +5 °C to 100.0 °C
Temperature Accuracy	±2.0 °C
Electrical Supply	230 VAC / 15A / 50 Hz

OPTIONAL ACCESSORIES

- Electronic Digital Timer Range from 0 to 999 Minutes (Inbuilt within Controller)
- **DIAGNOLOG** - PC / Printer Interface / Data Logger with Software connectivity
- **DIAGNOsure** – "RS-485 Communication" based PC Software for Downloading and taking reports with 21CFR features

Rectangular Model

MODEL	Internal Bath SIZE in inches (L x D x H)	CAPACITY (Litres)	Lid Size	RATING in Watts
DPS-WB-RC1 G	15 x 10 x 7.5 Usable (15 x 10 x 4)	18	6 Holes of 7.5 cm Dia	1000
DPS-WB-RC2 G	17.5 x 13 x 7.5 Usable (17.5 x 13 x 4)	28	12 Holes of 7.5 cm Dia	1500
DPS-WB-RC3 G	16.5 x 16.5 x 7.5 Usable (16.5 x 13 x 4)	33	16 Holes of 7.5 cm Dia	2000

Round Model

MODEL	Internal Bath SIZE in inches (Dia. x H)	CAPACITY (Litres)	RATING in Watts
DPS-WB-RD1 G	7 x 7	1	500
DPS-WB-RD2 G	8 x 8	2	500
DPS-WB-RD3 G	9 x 9	3	500
DPS-WB-RD5 G	10 x 10	5	1000
DPS-WB-RD10 G	14 x 14	10	1500
DPS-WB-RD20 G	16 x 16	20	2000

OUR PRESTIGIOUS CUSTOMERS

& many more...

DIAGNO PHARMA Solutions®

ISO 9001:2015 Certified Company

DEALER DETAILS

Rgd. Office: Shop No.5, Group No.4, Super Deluxe Colony, Tagore Nagar, Vikhroli (East), Mumbai, Maharashtra - 400 083, INDIA

Factory & Office: Gala No. 004, B-Wing, Ground Floor, Shree Ganesh Compound, Pawar Section, Chikhloli M.I.D.C., Ambarnath (East), Dist. Thane, Maharashtra - 421 506, INDIA

+91 9930 856 212

+91 8976 118 668

www.diagnopharmasolutions.com

info@diagnopharmasolutions.com / diagno-pharma@hotmail.com

Since 2016, **DIAGNO PHARMA Solutions** has been a reliable source providing solutions for Pharmaceutical Equipments and related services in INDIA & Overseas.

We are committed to delivering honest and exceptional customer service.
Thank you for your business and the opportunity to work with you!