



PHOENIX ENTERPRISES

S Y M B O L O F Q U A L I T Y

OVEN

LAB. INCUBATOR

COOLING INCUBATOR

B. O. D. INCUBATOR

STABILITY CHAMBER

WALK IN CHAMBER



IMPORTED LOCK



IMPORTED HINGES



ADJUSTABLE TRAYS



- Vision** : To look forward to be market leader in this industry with high quality product, better after sales service and continuous development with new innovation.
- About Us** : We are the manufacturer of laboratory equipments for independent laboratories, R&D Centers and fields like pharmaceutical, chemical, bio-technology. Equipments made by us set high quality and performance standards. We have enclosed our product list and would request you to please do let us know if you require any further information.
- We offer varieties of sizes that are in our broacher. Our equipments are designed in a compact way to save space, with forced air circulation to obtain uniformity throughout the chamber and micro processor based auto tune PID controller for better performance of the equipment. PLC based models are also available. With envisaged that with our constant efforts to build trust among customers through supply of quality product at best price, delivery and service will help us to thrive to be one of the industry leader.
- We also accept the Annual Maintenance Contract for other lab equipments like B.O.D. Incubator, Cooling Chambers & Stability Chambers, Walk in Chambers that includes Calibration and validation.

OVEN

- Construction** : Interior is made of SS304 (Matt Finish) & Exterior is made of either SS304 (Matt Finish) or Mild Steel powder coated. Phoenix ovens are insulated with Rock wool insulation which prevents outer part of oven from heat.
- Heating System** : Long lasting SS tubular heater in the round form for better result
- Temp. Control** : Auto Tune PID Controller with PT 100
- Temp. Range** : 50° C to 200° C
- Temp. Accuracy** : +/-1° C
- Alarms** : Temperature deviation
- Features** : Wire Mesh trays with adjustable racks. Rounded inner corners for easy cleaning. Space saving design & Forced air circulation for better uniformity throughout the oven.
- Safety** : Thermostat for in case of any electronic malfunction
- Power Supply** : 230VAC, 50Hz, Mains.

Model	Inner Size (LxWxH)mm	External Size (LxWxH)mm	Capacity Cu.Ft / Ltrs.	Trays	Tray Size
DOS090M4 / S4	450 x 450 x 450	775 x 610 x 900	3.0 / 90Ltr.	2Nos.	410 x 410
DOS100M4 / S4	450 x 450 x 500	775 x 610 x 950	3.5 / 100Ltr.	2Nos.	410 x 410
DOS150M4 / S4	500 x 500 x 600	825 x 660 x 1050	5.0 / 150Ltr.	2Nos.	460 x 460
DOS200M4 / S4	600 x 600 x 600	925 x 760 x 1050	7.0 / 200Ltr.	2Nos.	560 x 560

Note : M4 – Models are standard model Inner SS304 Matt Finish & Exterior M.S. Powder Coated

S4 – Models are G.M.P Models Inner SS304 Matt Finish & Exterior SS304 Matt Finish



INCUBATOR

- Construction** : Interior is made of SS304 (Matt Finish) & Exterior is made of either SS304 (Matt Finish) or Mild Steel powder coated. Phoenix incubators are insulated with PUF insulation.
- Heating System** : Long lasting SS tubular heater
- Temp. Control** : Auto Tune PID Controller with PT 100
- Temp. Range** : 5° C Above ambient to 60° C
- Temp. Accuracy** : +/- 0.2° C
- Temp. Uniformity** : +/- 1.0° C
- Alarms** : Temperature deviation
- Features** : Wire Mesh trays with adjustable racks
Rounded inner corners for easy cleaning.
Space saving design
Forced air circulation for better uniformity throughout the incubator.
Inner glass door for observation.
Printing facility (Optional)
- Safety** : Thermostat for in case of any electronic malfunction
- Power Supply** : 230VAC, 50Hz, Mains.

Model	Inner Size (LxWxH)mm	External Size (LxWxH)mm	Capacity Cu.Ft / Ltrs.	Trays	Tray Size
INS090M4 / S4	450 x 450 x 450	775 x 610 x 900	3.0 / 90	2Nos.	410 x 410
INS100M4 / S4	500 x 450 x 450	825 x 610 x 950	3.5 / 100	2Nos.	460 x 410
INS150M4 / S4	500 x 550 x 550	825 x 710 x 950	5.0 / 150	2Nos.	460 x 510
INS200M4 / S4	600 x 600 x 600	925 x 760 x 1000	7.0 / 200	2Nos.	560 x 560
INS350M4 / S4	600 x 600 x 1000	1050 x 760 x 1350	12.5 / 350	3Nos.	560 x 560

Note :

M4 – Models are standard model Inner SS304 Matt Finish & Exterior M.S. Powder Coated

S4 – Models are G.M.P Models Inner SS304 Matt Finish & Exterior SS304 Matt Finish



STABILITY CHAMBER

Construction : Internal MOC - SS 304 (Matt Finish), External MOC - SS 304 (Matt Finish) Or Mild Steel Powder Coated. Phoenix Chambers are insulated with PUF & Design for better uniformity throughout the chamber with the help of air flow system. And also design for fast recovery of temperature and humidity. Chambers are leak proof with magnetic gasket & safe with door lock. And full length inner glass door for observation.

Cooling System : Inbuilt Hermetically Sealed Compressor with CFC free refrigerant 134A.

Heating System : Long lasting SS tubular heaters

Humidity System : It consists of Boiler tank & reservoir tank. Boiler tank consists of two heaters if one fails it can be switch over to stand by. Both tanks have magnetic level switch for safety of heaters. It cut off the supply of heater at low water level.

Control System : Auto tune PID controller with temp & humidity sensor with printing facility

Temp. Range : 20° C to 60° C Humidity Range : 40% To 95%RH

Temp. Accuracy : +/- 0.5° C Humidity Accuracy : +/- 2% RH

Temp. Uniformity : +/- 2° C Humidity Uniformity : +/- 3% RH

Alarms/ Events : Temperature and humidity deviation for each sensor, Water level Low for each tank, Door Open, Mains Fail

Features : Stand by cooling system with auto changeover (Optional and only for 800 Ltrs above Model), Stand by humidity system with auto changeover, Mobile SMS facility through software (Optional), Drainage evaporation system & drainage recycle system. Perforated trays. PLC Base controlling system with touch screen display (Optional), Electronic door lock with user level & password facility (Optional)

Safety : Safety Controller as well as HI/LOW Thermostat for in case of any electronic malfunction

Power Supply : 230VAC, 50Hz, Mains.



Model	Inner Size (LxWxH)mm	External Size (LxWxH)mm	Capacity Cu.Ft / Ltrs.	Trays	Tray Size
SCS200M4 / S4	500 x 530 x 750	950 x 690 x 1300	7.0 / 200	2	460 x 490
SCS350M4 / S4	600 x 600 x 1000	1050 x 760 x 1550	12.5 / 350	3	560 x 560
SCS450M4 / S4	650 x 650 x 1050	1100 x 810 x 1600	16.0 / 450	4	610 x 610
SCS600M4 / S4	650 x 750 x 1250	1100 x 910 x 1800	21.0 / 600	4	610 x 710
SCS800M4 / S4	760 x 760 x 1400	1250 x 920 x 2000	28.0 / 800	5	720 x 720
SCS1KM4 / S4	800 x 820 x 1500	1290 x 980 x 2100	35.0 / 1000	6	760 x 780

Optional

Sr. No.	Specification
1	Extra Temp. & Humidity sensor
2	Extra Perforated stainless steel tray

Note : M4 – Models are standard model Inner SS304 Matt Finish & Exterior M.S. Powder Coated • S4 – Models are G.M.P Models Inner SS304 Matt Finish & Exterior SS304 Matt Finish

B. O. D. INCUBATOR

- Construction** : Internal MOC - SS 304 (Matt Finish), External MOC - SS 304 (Matt Finish) Or Mild Steel Powder Coated Phoenix Chambers are insulated with PUF & Design for better uniformity throughout the chamber with the help of air flow system. And also design for fast recovery of temperature. Chambers are leak proof with magnetic gasket & safe with door lock. And full length inner glass door for observation.
- Cooling System** : Inbuilt Hermetically Sealed Compressor with CFC free refrigerant 134A.
- Heating System** : Long lasting SS tubular heaters
- Temp. Control** : Auto tune PID controller with PT100 sensor with printing facility
- Temp. Range** : 10°C to 60°C
- Temp. Accuracy** : +/-0.2°C
- Temp. Uniformity** : +/-2.°C
- Alarms / Events** : Temperature deviation for each sensor, Door Open, Mains Fail
- Features** : Stand by cooling system with auto changeover (Optional and only for 800 Ltrs above Model), Mobile SMS facility through software (Optional), Drainage evaporation system, Perforated trays, PLC Base controlling system with touch screen display (Optional), Electronic door lock with user level & password facility (Optional)
- Safety** : Safety Controller as well as HI/LOW Thermostat for in case of any electronic malfunction
- Power Supply** : 230VAC, 50Hz, Mains.



Model	Inner Size (LxWxH)mm	External Size (LxWxH)mm	Capacity Cu.Ft / Ltrs.	Trays	Tray Size
BDS200M4 / S4	500 x 530 x 750	950 x 690 x 1300	7.0 / 200	2	460 x 490
BDS350M4 / S4	600 x 600 x 1000	1050 x 760 x 1550	12.5 / 350	3	560 x 560
BDS450M4 / S4	650 x 650 x 1050	1100 x 810 x 1600	16.0 / 450	4	610 x 610
BDS600M4 / S4	650 x 750 x 1250	1100 x 910 x 1800	21.0 / 600	4	610 x 710
BDS800M4 / S4	760 x 760 x 1400	1250 x 920 x 2000	28.0 / 800	5	720 x 720
BDS1KM4 / S4	800 x 820 x 1500	1290 x 980 x 2100	35.0 / 1000	6	760 x 780

Optional

Sr. No.	Specification
1	Extra Temperature sensor
2	Extra Perforated stainless steel tray

Note:

M4 – Models are standard model Inner SS304 Matt Finish & Exterior M.S. Powder Coated

S4 – Models are G.M.P Models Inner SS304 Matt Finish & Exterior SS304 Matt Finish

WALK IN STABILITY CHAMBER

Construction : Phoenix Walk-In chambers are made from lightweight panels for fast and easy installation. Locating pins ensure an accurate fit and the "cam over center" locks securely join panels in place. Interior & Exterior are made of SS304 (Matt Finish).

Cooling System : Hermetically Sealed Compressor with split type condensing unit. Which can be put outside of the stability room to avoid hot air throw.

Humidity System : It consists of Boiler tank & reservoir tank. Boiler tank consists of heaters if one fails it can be switch over to stand by. Tank have magnetic float switch for safety of heaters. It cut off the supply of heater at low water level.

Control System : PLC based controlling system with touch screen display and electronic sensor for temperature & humidity

Temp. Range : 20° C to 60° C **Humidity Range** : 40% To 95%RH

Temp. Accuracy : +/-0.5° C **Humidity Accuracy** : +/- 2% RH

Temp. Uniformity : +/- 2° C **Humidity Uniformity** : +/- 3% RH

Alarms : Temperature and humidity deviation for each sensor, Water level Low for each tank, Door Open. Mains Fail

Features : Stand by cooling system with auto changeover, Stand by humidity system with auto changeover, Mobile SMS facility through software (Optional), Drainage evaporation system & drainage recycle system, Perforated trays, Arrangement of buzzer with an emergency light if anyone traps inside. Electronic door lock with user level & password facility (Optional)

Safety : Safety Controller as well as HI/LOW Thermostat for in case of any electronic malfunction

Power Supply : 230VAC, 50Hz, Mains.



Model	Inner Size (LxWxH)mm	External Size (LxWxH)mm	Capacity Cu.Ft / Ltrs.	Trays	Tray Size
WISCS5KM4 / S4	2.0 x 1.4 x 2.0	2.36 x 1.56 x 2.16	190 / 5400 Ltrs.	24 Nos.	0.35 x 0.90
WISCS8KM4 / S4	2.0 x 2.0 x 2.0	2.36 x 2.16 x 2.16	280 / 8000 Ltrs.	24 Nos.	0.60 x 0.95
WISCS10KM4 / S4	2.0 x 2.0 x 2.4	2.36 x 2.16 x 2.56	350 / 10000 Ltrs.	32 Nos.	0.60 x 0.95
WISCS12KM4 / S4	2.5 x 2.5 x 2.0	2.86 x 2.66 x 2.16	440 / 12500 Ltrs.	36 Nos.	0.79 x 0.85
WISCS15KM4 / S4	2.5 x 2.5 x 2.4	2.86 x 2.66 x 2.56	545 / 15500 Ltrs.	48 Nos.	0.79 x 0.85
WISCS18KM4 / S4	3.0 x 2.5 x 2.4	3.86 x 2.66 x 2.56	660 / 18700 Ltrs.	48 Nos.	0.85 x 0.95

Note : M4 – Models are standard model Inner SS304 Matt Finish & Exterior M.S. Powder S4 – Models are G.M.P Models Inner SS304 Matt Finish & Exterior SS304 Matt Finish

Optional

Sr. No.	Particular	Qty.
1	Stand by Cooling System	1 No.
2	Extra Temp. & Humidity Sensor	8 No.
3	Extra Perforated Tray	As per Requirement

WALK IN COOLING CHAMBER

- Construction** : Phoenix Walk-In chambers are made from lightweight panels for fast and easy installation. Locating pins ensure an accurate fit and the "cam over center" locks securely join panels in place. Interior & Exterior are made of SS304 (Matt Finish).
- Cooling System** : Hermetically Sealed Compressor with split type condensing unit. Which can be put outside of the stability room to avoid hot air throw.
- Control System** : PLC based controlling system with touch screen display and electronic sensor for temperature & humidity
- Temp. Range** : 2° C to 8° C
- Temp. Accuracy** : +/-1.0° C
- Temp. Uniformity** : +/- 2.0° C
- Alarms** : Temperature deviation for each sensor, Door Open, Mains Fail
- Features** : Stand by cooling system with auto changeover, Mobile SMS facility through software (Optional), Drainage evaporation system, Perforated trays, Arrangement of buzzer with an emergency light if anyone traps inside. Electronic door lock with user level & password facility (Optional)
- Safety** : Safety Controller as well as LOW Thermostat for in case of any electronic malfunction
- Power Supply** : 230VAC, 50Hz, Mains.



Model	Inner Size (LxWxH)mm	External Size (LxWxH)mm	Capacity Cu.Ft / Ltrs.	Trays	Tray Size
WISCS5KM4 / S4	2.0 x 1.4 x 2.0	2.36 x 1.56 x 2.16	190 / 5400 Ltrs.	24 Nos.	0.35 x 0.90
WISCS8KM4 / S4	2.0 x 2.0 x 2.0	2.36 x 2.16 x 2.16	280 / 8000 Ltrs.	24 Nos.	0.60 x 0.95
WISCS10KM4 / S4	2.0 x 2.0 x 2.4	2.36 x 2.16 x 2.56	350 / 10000 Ltrs.	32 Nos.	0.60 x 0.95
WISCS12KM4 / S4	2.5 x 2.5 x 2.0	2.86 x 2.66 x 2.16	440 / 12500 Ltrs.	36 Nos.	0.79 x 0.85
WISCS15KM4 / S4	2.5 x 2.5 x 2.4	2.86 x 2.66 x 2.56	545 / 15500 Ltrs.	48 Nos.	0.79 x 0.85
WISCS18KM4 / S4	3.0 x 2.5 x 2.4	3.86 x 2.66 x 2.56	660 / 18700 Ltrs.	48 Nos.	0.85 x 0.95

Note :

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S4 – Models are G.M.P. Models Inner SS304 Matt Finish & Exterior SS304 Matt Finish

Optional

Sr. No.	Particular	Qty.
1	Stand by Cooling System	1 No.
2	Extra Temp. Sensor	8 No.
3	Extra Perforated Tray	As per Requirement

COOLING INCUBATOR

- Construction** : Internal MOC - SS 304 (Matt Finish), External MOC - SS 304 (Matt Finish) Or Mild Steel Powder Coated. Phoenix Chambers are insulated with PUF & Design for better uniformity throughout the chamber with the help of air flow system. And also design for fast recovery of temperature. Chambers are leak proof with magnetic gasket & safe with door lock. And full length inner glass door for observation.
- Cooling System** : Inbuilt Hermetically Sealed Compressor with CFC free refrigerant 134A.
- Temp. Control** : Temperature controller with PT100 sensor with printing facility.
- Temp. Range** : 2° C to 8° C
- Temp. Accuracy** : +/- 1.0° C
- Temp. Uniformity** : +/- 2.0° C
- Alarms / Events** : Temperature deviation alarm for each sensor, Door Open, Mains Fail
- Features** : Stand by cooling system with auto changeover (Optional and only for 800 Ltrs above Model), Mobile SMS facility through software (Optional), Drainage evaporation system, Perforated trays, PLC Base controlling system with touch screen display (Optional) & Electronic door lock with user level & password facility (Optional)
- Safety** : Safety Controller as well as LOW Thermostat for in case of any electronic malfunction
- Power Supply** : 230VAC, 50Hz, Mains.



Model	Inner Size (LxWxH)mm	External Size (LxWxH)mm	Capacity Cu.Ft / Ltrs.	Trays	Tray Size
CIS200M4 / S4	500 x 530 x 750	950 x 690 x 1300	7.0 / 200	2	460 x 490
CIS350M4 / S4	600 x 600 x 1000	1050 x 760 x 1550	12.5 / 350	3	560 x 560
CIS450M4 / S4	650 x 650 x 1050	1100 x 810 x 1600	16.0 / 450	4	610 x 610
CIS600M4 / S4	650 x 750 x 1250	1100 x 910 x 1800	21.0 / 600	4	610 x 710
CIS800M4 / S4	760 x 760 x 1400	1250 x 920 x 2000	28.0 / 800	5	720 x 720
CIS1KM4 / S4	800 x 820 x 1500	1290 x 980 x 2100	35.0 / 1000	6	760 x 780

Optional

Sr. No.	Specification
1	Extra Temperature sensor
2	Extra Perforated stainless steel tray

Note : M4 – Models are standard model Inner SS304 Matt Finish & Exterior M.S. Powder Coated

S4 – Models are G.M.P Models Inner SS304 Matt Finish & Exterior SS304 Matt Finish



PHOENIX ENTERPRISES
SYMBOL OF QUALITY

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