



Advance Biotech Solutions India Pvt. Ltd.

(Advance Technologies, Effective Solutions)



(An ISO 9001:2015 Certified Company)



STER-SAFE MAX CO₂ Incubator



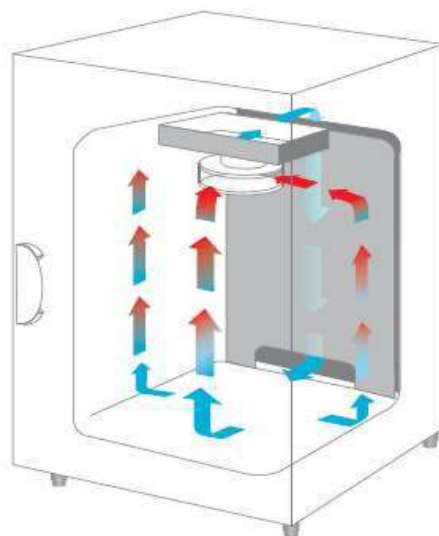
ABSIPL make Ster-Safe Max brands CO₂ Incubator /Tri-Gas Incubator gives us Best Solutions for:

- **Temperature**
- **CO₂ concentration**
- **Decontamination**
- **Humidity**

Application: In vitro fertilization (IVF), Cancer research, Antigen research, Cell transplantation, etc.

Your cell culture needs	Our solution
Accuracy, uniformity and quick temp recovery rates	<ul style="list-style-type: none"> • Two high quality PT100/PT1000/ IR sensors - precise • Highly efficient fan-assisted distribution- uniformity
Accuracy, uniformity and quick gas recovery rates	<ul style="list-style-type: none"> • Reliable CO2 sensor technology • Highly efficient fan-assisted distribution- uniformity
Constant humidity for cell protection and optimal growth	<ul style="list-style-type: none"> • A unique integral humidity water reservoir • Surface area larger than ordinary water pans
Worry free 24/7 protection against contamination	<ul style="list-style-type: none"> • 180/90°C moist heat decontamination • UV lamp sterilization • HEPA filtration and air recirculation • Less is more when it comes to cleaning
Easy to use	<ul style="list-style-type: none"> • User friendly interface improves your visibility • Visibility to changes in culture environment • Monitor alarm alerts visually on the display

Pollution prevention and decontamination



Note: Product appearance and specifications are subject to change without i

- Ozone-free
- Special designed, high moist resistant
- Air quality achieves Class 100 levels within 5 minutes
- HEPA filter system runs continuously and within 60 seconds, the volume of entire chamber is disinfected
- Increase accuracy of IR sensor

Unique water reservoir design, fast humidity recovery

- Heat the bottom directly and enlarge vaporization area
- You can work with air humidity up to 95% while the internal walls remain completely dry.

High-precision and long lifespan TC sensor with Auto-start function

- Stable CO₂ concentration ensures the success of cell culture
- Over a period of time, CO₂ sensors may confront zero-drifting problem, regardless of TC or IR sensor, which will cause inaccurate CO₂ level inside chamber.
- High or low CO₂ concentration will change PH value of culture solution. The solution color will change to yellow or purple.
- The thermal conductivity CO₂ sensor has its baseline automatically reset without manual adjustment.
- The incubator can be loaded immediately after the start-up routine is completed

Space Utility

- Stackable design takes up less space
- Two or three units can be stacked according to available space and usage
- Design compatibility between model HF90 and HF100

Heating Elements

Heating elements, made of high grade imported nichrome wire are insulated inside the porcelain beads and placed at the bottom and side ribs for uniform temperature all over the space.

Temperature Control





To provide digital temperature control display and Temperature is controlled by imported capillary type thermostat from 5°C above ambient to 80°C ±0.5°C. Temperature control knob is graduated in centigrade degrees after actually observing the temperature in steady state.

Ventilation

Air ventilators port are provided on sides at top for ventilate fumes & to assist convection process.

Control Panel

The equipment is provided with a Electric panel having a thermostat control knob, ON/OFF switch or digital temperature controller and indicating light.

Vison	Model	Positioning	Note
	SSM100	High level	Direct heat, Air jacketed, Tri-gas incubator, 180°C moist heat decontamination
	SSM100/SSM150/SSM200	High/medium level	Direct heat, Air jacketed, CO2 incubator, 180/90°C moist heat decontamination
	SSM170/SSM260	Medium level	Direct heat, Air jacketed, CO2 incubator, UV sterilization
	SSM170W	High/medium level	Water jacketed, CO2 incubator, HEPA filtration, TC or IR CO2 sensor

DIRECT HEAT- AIR JACKETED, TRI-GAS INCUBATOR, 180°C MOIST HEAT DECONTAMINATION

MODEL	SSM100
Specifications	
Temperature Range	5°C above ambient to 55°C
Capacity (L)	100
Temperature stability	± 0.1°C
Temperature Uniformity	± 0.2°C.
Inner door	3 mini inner doors optional
Heating method	Direct Heat & Air Jacket (DHA)
Temp. Control system	Microprocessor
Temperature Sensor	PT1000 / PT100
Humidity range	≥95%
Inlet pressure	0.1 MPa
Humidifying system	Special designed water reservoir
CO2 Range	0 to 20%
Water reservoir volume	5 L
CO2 Sensor	Thermal Conductivity / IR
CO2 Control System	Microprocessor
CO2 Stability	± 0.1%
O2 Sensor	Zirconium
O2 Range (% CO2)	1.0 -25.0, 3.0 - 85.0
Interior Constructions	Type 304, mirror finished, stainless steel.
Exterior Constructions	Electrolyzed galvanization steel, powder coated
Shelf construction	3, 10
Shelf constructions Standard	Type 304, mirror finished, stainless steel.
Access Port	Standard
Air filter	0.3µm, Efficiency: 99.998% (for CO2)
Remote alarm contacts	Standard
De- Contamination	90° /140° /180° moist heat
Rated power	700W
Power supply	220V 8A, 50/60Hz
Alarm system	Power interruption, High/low temperature, Deviation of CO2, RH, Door ajar, Independent overheat protection.
Data output	RS232
Interior Dimensions (mm)	450 x 500 x 550
Exterior Dimensions	600 x 650 x 675
Net Weight	72 Kg.
Certification	CE Certified

DIRECT HEAT- AIR JACKETED, CO2 INCUBATOR, 180°C MOIST HEAT DECONTAMINATION

MODEL	SSM100	SSM150	SSM240
Specifications			
Temperature Range	5°C above ambient to 55°C		
Capacity (L)	100	150	240
Temperature stability	± 0.1°C		
Temperature Uniformity	± 0.2°C.		
Inner door	1 / 3 mini inner doors optional		
Heating method	Direct Heat & Air Jacket (DHA)		
Temp. Control system	Microprocessor		
Temperature Sensor	PT1000 / PT100		
Humidity range	≥95%		
Inlet pressure	0.1 MPa		
Humidifying system	Special designed water reservoir		
CO2 Range	0 to 20%		
Water reservoir volume	3L		
CO2 Sensor	Thermal Conductivity / IR		
CO2 Control System	Microprocessor		
CO2 Stability	± 0.1%		
Interior Constructions	Type 304, mirror finished, stainless steel.		
Exterior Constructions	Electrolyzed galvanization steel, powder coated		
Shelf construction	3	3, 10	
Shelf constructions Standard	Type 304, mirror finished, stainless steel.		
Access Port	Standard		
Air filter	0.3µm, Efficiency: 99.998% (for CO2)		
Remote alarm contacts	Standard		
De- Contamination	90° /140° /180° moist heat		
Rated power	600W		
Power supply	220V 8A, 50/60Hz		
Alarm system	Power interruption, High/low temperature, Deviation of CO2, RH, Door ajar, Independent overheat protection.		
Data output	RS232		
Interior Dimensions (mm)	450x500x607	475x530x607	550x580x650
Exterior Dimensions	600x750x850	637x768x869	670x800x95
Net Weight	80 Kg.	90 Kg.	120 Kg.
Certification	CE Certified		

DIRECT HEAT- AIR JACKETED, CO2 INCUBATOR, UV STERILIZATION

MODEL	SSM170	SSM260
Specifications		
Temperature Range	5°C above ambient to 55°C	
Capacity	170	260
Temperature stability	± 0.1°C	
Temperature Uniformity	± 0.2°C.	
Inner door	3 mini inner doors optional	
Heating method	Direct Heat & Air Jacket (DHA)	
Temp. Control system	Microprocessor	
Temperature Sensor	PT1000 / PT100	
Humidity range	≥95%	
Inlet pressure	0.1 MPa	
Humidifying system	Special designed water reservoir	
CO2 Range	0 to 20%	
Water reservoir volume	5 L	
CO2 Sensor	Thermal Conductivity / IR	
CO2 Control System	Microprocessor	
CO2 Stability	± 0.1%	
Interior Constructions	Type 304, mirror finished, stainless steel.	
Exterior Constructions	Electrolyzed galvanization steel, powder coated	
Shelf construction	3, 10	
Shelf constructions Standard	Type 304, mirror finished, stainless steel.	
Access Port	Standard	
Air filter	0.3µm, Efficiency: 99.998% (for CO2)	
Remote alarm contacts	Standard	
De- Contamination	UV Lamp	
Rated power	600W	
Power supply	220V 8A, 50/60Hz	
Alarm system	Power interruption, High/low temperature, Deviation of CO2, RH, Door ajar, Independent overheat protection.	
Data output	RS232	
Interior Dimensions (mm)	560 x 600 x 505	680 x 870 x 715
Exterior Dimensions	620 x 750 x 575	740 x 1020 x 785
Net Weight	95 Kg.	125 Kg.
CE Certified		

WATER JACKETED-CO2 INCUBATOR, HEPA FILTRATION, TC OR IR CO2 SENSOR

MODEL	SSM170 W
Specifications	
Temperature Range	5°C above ambient to 55°C
Capacity	170
Temperature stability	± 0.1°C
Temperature Uniformity	± 0.2°C.
Inner door	3 mini inner doors optional
Heating method	Direct Heat & Air Jacket (DHA)
Temp. Control system	Microprocessor
Temperature Sensor	PT1000 / PT100/ IR
Humidity range	≥95%
Inlet pressure	0.1 MPa
Humidifying system	Special designed water reservoir
CO2 Range	0 to 20%
Water reservoir volume	5 L
CO2 Sensor	Thermal Conductivity / IR
CO2 Control System	Microprocessor
CO2 Stability	± 0.1%
Interior Constructions	Type 304, mirror finished, stainless steel.
Exterior Constructions	Electrolyzed galvanization steel, powder coated
Shelf construction	3, 10
Shelf constructions Standard	Type 304, mirror finished, stainless steel.
Access Port	Standard
Air filter	0.3µm, Efficiency: 99.998% (for CO2)
Remote alarm contacts	Standard
De- Contamination	UV Lamp
Rated power	600W
Power supply	220V 8A, 50/60Hz
Alarm system	Power interruption, High/low temperature, Deviation of CO2, RH, Door ajar, Independent overheat protection.
Data output	RS232
Interior Dimensions (mm)	470 x 530 x 650
Exterior Dimensions	600 x 680 x 720
Net Weight	95 Kg.
CE Certified	



ADVANCE BIOTECH SOLUTIONS INDIA PRIVATE LIMITED

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