



CO₂ INCUBATOR

Darsun Scientific

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DS-Co2

DS-50Co2/DS-180Co2/DS-260Co2



MODEL	DS-50Co2	DS-180Co2	DS-260Co2
Temperature Control Method	Direct heat & Air Jacket		
Temperature Range	RT+3-60°C		
Temperature Uniformity	±0.25°C		
Temperature Accuracy	±0.1°C		
Temperature Recovery Time	<4 Mins		
Ambient Temperature Range	18-34°C		
CO2			
CO2 Range	0 ~ 20%		
CO2 Accuracy	± 0.1%		
CO2 Sensor	Infra-red (IR)		
CO2 Recovery Time*	<4 Mins	<4 Mins	<5 Mins
Inlet Pressure	0.8-1.2 bar		
HUMIDITY			
Sterilization Method	Humidity Pan		
Humidity Range*	>90% RH		
Sterilization			
Sterilization method	Dry Heat		
Sterilization Temperature	150°C		
Sterilization Time	<10h		
Inlet Filter	<0.2µm		
Inner Filter	High temperature resistant HEPA filter, no need to remove during sterilization		
Heater	6 side heating		
Main Body	Antibacterial powder, antibacterial properties >99%		
PHYSICAL CONSTRUCTION			
Interior Volume	50L	185L	260L
External dims (WxDxH)	500*635*690	685*820*870	745*820*1055
Internal dims (WxDxH)	310*380*470	500*570*650	555*565*835
Interior Material	Stainless Steel type 304		
Number of shelves	2	3	4
Shelves Area	305*270 mm	496*440 mm	550*460 mm
Maximum Load per Shelf	20kg		
Voltage	220-240VAC 50/60Hz		
Maximum power consumption	500W	1200W	1500W
Display	Touch screen display with PID controller		
Optional function	i. Co2 Control 1-21%		
	ii. Three inner doors or six inner doors		
	iii. Lot module		
	iv. Humidity Display		
	v. Cylinder Switching		
	vi. Removable base		
	vii. Relief valve		

INTRODUCTION

CONTROL SYSTEM

- Seven inch touch screen, easy to operate, intuitive display
- Three levels of management
- Running record storage, can be exported by USB
- Sound and light alarm, guard sample safety

HEPA FILTER

- High temperature resistant HEPA Filter, no need to remove during sterilization

DOOR SWITCH

- Intelligent door control, adjust the device operation according to the door status

STACKING FEET

- Save lab space

Co2 SENSOR

- I.R sensor dual wave length

SAMPLE PORT

- Easy to sample gas inside the box

DIRECT HEAT & AIR JACKET

- Six sides heating, uniform temperature
- Quick recovery of opening and closing parameters, no overshoot
- 150 or 180° dry contamination

HUMIDITY PAN

- Independent control
- Ensure rapid humidity Recovery

INTERIOR

- Round corner easy to clean, no frame structure

MAIN BODY

- Anti-microbial quoting

SHELVING

- Adjustable steel shelver loading capacity up to 20 kg

STANDING LEG

- Adjustable leg

GLASS DOOR

- For observing sample cells inside the chamber during operation
- protect the clean environment for sample growth





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