

STABILITY TEST CHAMBER



STABILITY TEST CHAMBER

For free long term operation, it is designed with laser technology and microprocessor controlling system, excellent insulation is used for preventing heat loss. Especially designed to perform shelf life and stability studies on drug substances and drug products and compatible for long term stability test for food and vaccines.

Used in Shelf life, Stress testing, Stability testing, Laboratory, Medical, Research.

Also known as Stability Test Chamber, Stress Testing Chamber, Laboratory Stability Test Chamber.

CS11 SERIES DRUG STABILITY TEST CHAMBER

- ALLCOLD Refrigeration Technology: Auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving, Auto-defrost function, Imported DuPont SUVA R134 a environmental refrigerant.
- ALLFLOW Perfect Air Current Cycling: Perfect forced convection, maximum number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design.
- ALLSENS Programmable PID Control: Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- Excellent Imported temperature and humidity Sensor.



SPECIFICATIONS

Model	CS111	CS112	CS113
Capacity	150 L	250 L	400 L
Temperature Range	0°C~65°C		
Temperature Uniformity	±1°C (10-40°C)		±1.5°C (10-40°C)
Temperature Fluctuation	±0.5°C		
Temperature Resolution	0.1°C		
Humidity Range	50-95%		
Humidity Fluctuation	±3%		
Using Environment Temperature	Ambient temp.10 ~ 30°C		
Using Environment Humidity	<70%		
Convection Mode	Forced convection		
Control System	30 Stages Microcomputer PID		
Shelves / Trays	3	4	
Inner Dimension	760H x 510W x 390D mm	1100H x 510W x 450D mm	1050H x 600W x 640D mm
Overall Dimension	1410H x 650W x 680D mm	1730H x 650W x 740D mm	1700H x 745W x 930D mm
Weight (Net/Gross)	107/132 kg	135/162 kg	158/186 kg

Interior Material	SUS304 stainless steel cavity		
Power	1080 W	1100 W	1350 W
Power Supply	Single phase AC220V/50Hz		

CS12 SERIES ILLUMINATING DRUG STABILITY TEST CHAMBER

- ALLCOLD Refrigeration Technology: Auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving, Auto-defrost function, Imported DuPont SUVA R134 a environmental refrigerant.
- ALLFLOW Perfect Air Current Cycling: Perfect forced convection, maximum number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design.
- ALLSENS Programmable PID Control: Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- Excellent Imported temperature and humidity Sensor.



SPECIFICATIONS

Model	CS121	CS122	CS123
Capacity	150 L	250 L	400 L
Temperature Range	10°C~ 65°C (with illumination) /0°C~ 60°C (without illumination)		
Temperature Uniformity	±1°C (10-40°C)		±1.5°C (10-40°C)
Temperature Fluctuation	±0.5°C		
Temperature Resolution	0.1°C		
Humidity Range	50-95%		
Humidity Fluctuation	±3%		
Using Environment Temperature	Ambient temp.10 ~ 30°C		
Using Environment Humidity	<70%		
Convection Mode	Forced convection		
Illumination Range	0 ~ 6000 lux (5 stages adjustable)		
Control System	30 Stages Microcomputer PID		
Shelves / Trays	3	4	
Inner Dimension	760H x 510W x 390D mm	1100H x 510W x 450D mm	1050H x 600W x 640D mm
Overall Dimension	1410H x 650W x 680D mm	1730H x 650W x 740D mm	1700H x 745W x 930D mm
Weight (Net/Gross)	107.5 kg	145 kg	175 kg
Interior Material	SUS304 stainless steel cavity		
Power	1080 W	1100 W	1350 W
Power Supply	Single phase AC220V/50Hz		

CS13 SERIES DRUG STABILITY TEST CHAMBER

- ALLCOLD Refrigeration Technology: Auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving, Auto-defrost function, Imported DuPont SUVA R134 a environmental refrigerant.
- ALLFLOW Perfect Air Current Cycling: Perfect forced convection, maximum number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design.
- ALLSENS Programmable PID Control: Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- Excellent Imported temperature and humidity Sensor.



SPECIFICATIONS

Model	CS131	CS132	CS133
Capacity	150 L	250 L	400 L
Temperature Range	10°C~ 65°C (with illumination) /0°C~ 60°C (without illumination)		
Temperature Uniformity	±1°C (10-40°C)		±1.5°C (10-40°C)
Temperature Fluctuation	±0.5°C		
Temperature Resolution	0.1°C		
Humidity Range	50-90%		
Humidity Fluctuation	±2%		
Using Environment Temperature	Ambient temp.10 ~ 30°C		
Using Environment Humidity	<70%		
Convection Mode	Forced convection		
Illumination Range	0 ~ 6000 lux (5 stages adjustable)		
Control System	30 Stages Microcomputer PID		
Shelves / Trays	3	4	
Inner Dimension	760H x 510W x 390D mm	1100H x 510W x 450D mm	1050H x 600W x 640D mm
Overall Dimension	1410H x 650W x 680D mm	1730H x 650W x 740D mm	1700H x 745W x 930D mm
Weight (Net/Gross)	107.5 kg	145 kg	175 kg
Interior Material	SUS304 stainless steel cavity		
Power	1080 W	1100 W	1350 W
Power Supply	Single phase AC220V/50Hz		

CS14 SERIES DRUG STABILITY TEST CHAMBER

- Microcomputer based PID controller for temperature and humidity
- Forced convection through air flow duct maintains temperature uniformity
- Cold worked steel exterior and rugged stainless steel interiors
- Excellent insulation to prevent heat loss
- Single 45mm wide test cavity on left and right side
- Safety features: Power failure, unclosed door, PT100 temperature sensor for temperature fluctuations, auto defrost, etc.



SPECIFICATIONS

Model	CS141	CS142	CS143
Capacity	250 L	450 L	750 L
Effective Volume	250 L	450 L	750 L
Temperature Range	No illumination -15°C~+85°C with illumination 10°C~85°C		
Working Room Temperature	5 ~ 35°C		
Temperature Uniformity	±1.0°C (65°C)		
Temperature Fluctuation	±0.1°C		
Temperature Resolution	0.1°C		
Humidity Range	20~ 95% RH		
Humidity Fluctuation	Within ±1.5% (65°C)		
Illumination Range	0-6000 lux adjustable		
Illumination deviation	±300 lux		
Shelves / Trays	3	4	
Water Supply Volume	Inside: 10 L Outside: 25 L		
Inner Dimension	640x440x890 mm	750x500x1200 mm	1250x500x1200 mm
Overall Dimension	765x773x1490 mm	935x835x1787 mm	1435x835x1828 mm
Weight (Net/Gross)	137 kg	217 kg	268 kg
Insulating Material	Overall foaming of polyurethane		
Programmed Control	Fuzzy logistic PID control method common operating mode/programmed operating mode		
Refrigerating power-refrigerant	270 W-R134a	580 W	880 W
Power	2000 W	2500 W	3000 W
Power Supply	AC-220V 50/60Hz		

LABSTAC LTD.

Kemp House 152 – 160 City Road, London
EC1V 2NX, United Kingdom.
Email: contact@labstac.com
Website: www.labstac.com

