

DWS-80BF / DWS-150BF

DWS-250BF / DWS-350BF / DWS-460BF

Precision Constant Temperature and Humidity Chamber

Features

- The product shell is made of high-quality steel plates and is electrostatically sprayed on the surface. The design is elegant. The working chamber is processed and made of high-quality stainless steel, which is corrosion-resistant and resistant to aging. The inner walls have a rounded transition.
- It adopts an intelligent microcomputer liquid crystal display control system, featuring functions such as timing, alarm, and over-temperature protection.
- The brand compressor uses non-chlorofluorocarbon (CFC-free) environmentally friendly refrigeration technology. The gentle air circulation ensures uniform temperature inside the box.
- The balanced control of cooling and heating ensures a small temperature fluctuation and more precise temperature control.
- The tempered glass observation window makes it easy to observe the changes of items inside the box. The magnetic adhesive strips provide a secure seal, facilitating opening and maintaining excellent sealing performance.
- Using ultrasonic humidification, the humidity control is stable. The humidity fluctuation range is $\pm 5 - 8\%$ RH. It also has the function of automatically shutting off when there is insufficient water.
- It is equipped with multiple safety measures such as compressor overheating protection and instrument failure protection to ensure the safety of the experiment.
- It can be equipped with functions such as printer, 485 interface, USB storage, and SMS alarm.

Upgrade content: (9-point test temperature)

1. Inner liner thickness upgrade: The original thickness was 0.8mm, and the upgraded thickness is 1.0mm.
2. Increased automatic defrosting capability, improving the equipment's operational efficiency, reducing energy consumption and extending service life.
3. Fan upgrade, from capacitor fan to axial brushless fan, ensuring uniform temperature distribution inside the box.



Specifications

Model	DWS-80BF	DWS-150BF	DWS-250BF	DWS-350BF	DWS-460BF
Volume	80L	150L	250L	350L	460L
Rated power supply	220V 50HZ				
Temperature control range	5°C-65°C				
Temperature resolution	0.1				
Temperature fluctuation degree	±1°C (37°C)				
Temperature distribution accuracy	±1.5°C (set temperature 37°C, ambient temperature 25°C)				
Humidity range	40%-95%RH				
Inner container material	201 stainless steel inner liner				
Outer shell material	Galvanized sheet (electrostatic spraying)				
Insulation layer	Polyurethane				
Heater	Stainless steel heating tube				
Compressor	Air-cooled fully enclosed compressor				
Refrigerant	R134a				
Defrosting function	Intelligent control for automatic defrosting				
Temperature control	Single-stage liquid crystal intelligent PTD controller				
Timer function	0-9999min				
Operation mode	Fixed-value operation, timed operation, automatic stop				
Test hole	Come with a standard one				
Sensor	PT100				
Power	600W	800W	1000W	1200W	1400W
Inner liner dimensions (mm) (D×W×H)	400×400×500	400×500×750	500×550×910	600×600×1000	650×650×1100
Overall dimensions (mm) (D×W×H)	610×550×1065	605×655×1355	700×705×1550	780×750×1605	845×805×1710
Packaging dimensions (mm) (D×W×H)	690×620×1150	770×735×1520	820×800×1660	870×860×1800	990×1040×1970
Standard/Maximum number of partitions	2/4	2/7	2/9	2/10	2/11
Partition spacing	75mm	80mm	80mm	83mm	80mm
Partition load-bearing capacity	20kg	20kg	20kg	20kgg	20kg
Additional functions	Ultrasonic humidification				
Optional functions	Printer, USB interface, 485 interface, SMS alarm module				