

Vacuum Oven (Analogue Display Vacuum)

It is widely used in the fields of biochemistry, chemical industry and pharmacy, medical and health care, agricultural scientific research, environmental protection and other research and application, for powder drying, baking and disinfection and sterilization of all kinds of glass containers. Especially suitable for drying heat sensitive, easy to decompose, easy to oxidize substances and complex components of the rapid and efficient drying process

SUMMARY

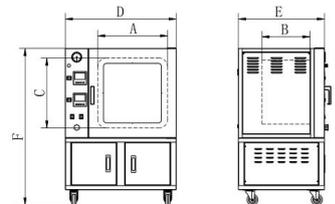
1. Vacuum environment greatly reduces the boiling point of the liquid to be expelled, so vacuum drying can be easily applied to heat sensitive substances;
2. For samples that are not easy to dry, such as powder or granular samples, vacuum drying method can effectively shorten the drying time;
3. Vacuum drying method is used for all kinds of mechanical parts with complex structure or other porous samples after cleaning, and no participating substances are left after complete drying.
4. Safer to use -- in vacuum or inert conditions, completely eliminate the possibility of oxide explosion when exposed to heat;
5. In contrast to ordinary drying, which relies on air circulation, the powdered sample will not be blown or moved by moving air.

FEATURES

1. The heating element is located around the outside of the oven and on the back wall, and the aluminum plate material with better thermal conductivity is added, which can make the temperature evenly transmitted into the oven. (90L/210L/500L models use layer plate heating mode) heating elements distributed in the shelf, can accurately control the temperature of each layer of materials need to be heated, in order to ensure the stability of the sample experiment.
2. The advantages of vacuum drying technology control display system, using a large LCD color screen, display temperature and set temperature are represented by different colors, at a sight to observe the actual operating status of the equipment.
3. Cuboid studio maximizes the effective volume, and is equipped with multi-layer shelf, which is convenient for customers to adjust in different sample volume experiments
4. Nitrogen air inlet, the equipment standard nitrogen air inlet, if the experimental sample needs an inert environment, can be filled with inert gas or other gases through the air inlet
5. Spring door structure, so that customers can close the door when vacuuming, can better seal the box, the follow-up door can be opened without strong sliding door.
6. The working chamber is made of stainless steel plate, and the casing is made of high quality cold rolled steel plate, with electrostatic spray on the surface.
- 7: Fahrenheit/Celsius free conversion, to meet different customer needs.(DZF-6050 has this function)
- 8: hyperbolic temperature calibration system, more accurate temperature measurement.
- 9: Standard with large LCD color screen, multiple groups of data a screen display, menu type operation interface, easy to understand, easy to operate.
- 10: Adopt overtemperature deviation protection, microprocessor PID fuzzy processing controller, quickly reach the preset temperature stable operation.
- 11: The sealing design of the new synthetic silicon sealing strip effectively prevents heat loss, and can prolong the energy saving of each component on the basis of 30% Service life.
- 12: double bulletproof glass observation window, observe objects in the working room, at a glance.
- 13: the tightness of the door closure is completely adjusted by the user. The silicone rubber door sealing ring formed as a whole ensures the high vacuum degree in the box.
- 14: imported vacuum valve, avoid the traditional vacuum valve long time use caused by the drop problem.

OPTIONS

1. Gas-liquid separator
2. Vacuum drying tank
3. Cabinet (6020/6050)
4. vacuum pump -2XZ-2
- Vacuum pump 2 xz - 4



Technical Specifications:

Model	AE-DF6020	AE-DF6050	AE-DF6090	AE-DF6210	AE-DF6500
Power Requirement	AC220V 50HZ				380V 50HZ/16A
Temperature Range	RT+10~250℃				
Temperature Stability	±1℃				
Display Resolution	0.1℃				
Vacuum Degree	≤133Pa				
Power Consumption	600W	1200W	1400W	2200W	3200W
Interior Dimension (W*D*H mm)	320x320x300	415x370x350	450x455x450	560x600x640	630x810x845
External Dimension WxDxH(mm)	615x450x495	720x500x545	760x590x1085	880x740x1270	1070x950x1600
Volume	30L	50L	90L	210L	431L
Standard Shelves	2pcs (Outer heating, Adjustable)		2pcs (Independent heating and temp. control, fixed)		4pcs (Independent heating and temp. control, fixed)
Tank material	stainless steel				
Timing Range	1~9999min				