Labware Drying and Preservation Cabinet

Save effort/ worry/ time

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Designed to provide long-term dry and clean preservation for labware for 24 hours * 365 days

Integrated design saves space for scientific laboratories and reduces the burden on scientific researchers.

Save time and effort

After washing, the glass labware is dried directly and preserved for a long time, which saves the process waiting for drying and the process of transferring after drying.

Worry-free

The utility model avoids the secondary washing and drying for falling ash, moisture or pollution caused by long-term preservation of labware.

Save space

The new Labware Drying and Preservation Cabinet integrates the functions of drying and preservation, the design is rational, and it occupies a small area.

Working Principle

The external diffusion rate of water is increased by increasing the flow rate of medium (air) and reducing the water vapor concentration around the medium (air), and the heat transfer rate is increased by heating to achieve the purpose of long-term drying and preservation of glass labware.

Working Mode

Conventional mode: The instrument automatically enters the conventional mode after startup, and the air supply system of the instrument continuously provides high-speed clean airflow for the internal preservation space 24 hours a day in the conventional mode.

Acceleration mode: Set the temperature (room temperature ~ 60℃) and heating time (1~99 hours), and automatically enter the conventional mode after heating.

1. Drying while preserving

The new Labware Drying and Preservation Cabinet integrates the functions of drying and preservation, the design is rational, and it occupies a small area.

2. Ceramic heater heating

The new Labware Drying and Preservation Cabinet uses low-power ceramic heating element for heating, which is safe, energy-saving, fast and efficient, with a temperature range of room temperature ~ 60℃. It is suitable for all glassware (including glassware with scales), without leakage and self-combustion risk, with long service life, low energy consumption, and supports long-term work.

3 Multi-type shelf design

The space between the shelves is adjustable, and the space utilization rate is high. It is equipped with a variety of shelves, including storage baskets and mesh plates (3cm, 5cm, 7cm and 10cm), suitable for storing glassware of various sizes and shapes.

4. Designed for drying labware

This product is designed to dry all kinds of labware, the temperature is up to 60℃, and it is not used to dry experimental samples. It's necessary to use appropriate machine to avoid cross contamination.

5. Dust-proof design

Adopt fully tempered transparent glass door and strong magnetic door seal, and at the same time, the fan continuously supplies air, and the internal space always keeps positive pressure to prevent external dust from entering the internal space, suitable for long-term preservation of glassware.

6. Air purification design

The top cavity is equipped with a replaceable air filter to ensure that the air in the whole cavity and hot air circulation system is clean and does not pollute the preserved labware.

Technical Parameters

Product model	BYDP-450A	BYDP-900A
Function	Labware Drying and Preservation Cabinet	
Material	Sus304 stainless steel	
Capacity	450L	900L
Temperature control mode	Intelligent PID	
Temperature setting range	Room temperature ~ 60℃	
Drying efficiency	500ml conical flask, 40℃, 50min	
Heating and timing	0 ~ 99 hours	
Fan speed	4.8m/s	6.0m/s
Fan power	30W	40W
Heating power	600W	1200W
Air filtration	Replaceable filter element (multiple materials)	
Safety protection	Low power ceramic heater heating, over temperature protection	
Number of inter-layers	Up to 8 layers, normally 5 layers	Up to 16 layers, normally 10 layers
Internal dimensions	560*500*1400（mm）	1210*520*1400（mm）
Overall dimensions	630*520*1800（mm）	1280*560*1830（mm）
Accessories	Storage baskets and mesh plates (3cm, 5cm, 7cm and 10cm)	

Mesh plate

Storage basket