



The vacuum drying oven is a specialized apparatus designed to remove moisture or solvents from materials under low-pressure conditions, enabling efficient drying at lower temperatures to protect heat-sensitive, oxidation-prone, or hygroscopic substances. By creating a vacuum environment, it lowers the boiling point of liquids for accelerated evaporation while preventing thermal degradation or surface oxidation, making it ideal for applications in pharmaceuticals, electronics, materials science, and biotechnology. Equipped with precision temperature and pressure controls, hermetic chambers, and optional inert gas systems, it ensures uniform processing, material integrity, and process repeatability across lab-scale research and industrial production, addressing critical challenges in conventional thermal drying.

FEATURES

- ❖ Efficient moisture removal at low temperatures.
- ❖ Protects heat-sensitive materials from degradation.
- ❖ Precision vacuum control for stable evaporation rates.
- ❖ Hermetic seal for airtight vacuum integrity.
- ❖ Anti-fog viewing for chamber monitoring without vacuum loss.



Corrosion-Resistant Interior

The inner chamber is predominantly constructed from high-grade stainless steel (such as 304 stainless steel) or galvanized steel sheets, engineered to withstand chemical corrosion and mechanical wear.

Energy-efficient design

The system incorporates optimized heating elements (e.g., stainless steel heating tubes) and precisely matched fans, engineered to balance performance with minimal energy consumption, making it suitable for prolonged continuous operation.



SPECIFICATIONS

Split-Type Vacuum Drying Oven

Model	DR-H205-30A	DR-H205-41A	DR-H205-45A	DR-H205-60A
Internal Dimension (mm)	300*300*275	410*350*370	450*450*450	600*560*640
External Dimension (mm)	610*460*500	720*545*545	770*615*680	690*895*1050
Voltage (v)	Single Phase 220			
	Display	Intelligent Black LCD Screen		
	Vacuum Degree (Pa)	133		
	Control range	Rt+10 ~ 250° C		
	Accuracy	±0.1° C		
	Temperature Uniformity	±2%		
	Timing Range (min)	0-9999		
Structures	Inner chamber	304 Stainless Steel Plate		
	Standard Shelves	2	2	2
	Shelf Load (Kg)	15	15	15
	Vacuum Port Size	Φ12	Φ12	Φ12

Integrated-Type Vacuum Drying Oven

Model		DR-H205-Z45	DR-H205-Z55	DR-H205-Z60	DR-H205-Z90
Internal Dimension (mm)		450*450*450	560*600*640	630*810*845	900*1500*1500
External Dimension (mm)		610*590*1350	720*820*1750	1000*1040*1855	1530*1700*2140
Voltage （v）		Single Phase 220		Three Phase 380V	
	Display	Intelligent Black LCD Screen			
	Vacuum Degree (Pa)	133			
	Control range	Rt+10 ~ 200° C			
	Accuracy	±0.1° C			
	Timing Range (min)	0-9999			
Structures	Inner chamber	304 Stainless Steel Plate			
	Standard Shelves	2	2	2	2
	Shelf Load (Kg)	15	15	15	15
	Vacuum Port Size	Φ12	Φ12	Φ12	Φ12
Use	Ambient temperature 5℃ ~35℃； Relative humidity ≤85%； Atmospheric pressure 80 KPa ~ 106 KPa； No strong vibration and flammable and explosive atmosphere around.				

For more requirements regarding product dimensions and parameters, customization can be made according to specific requests.