

DZF Series

Vacuum Drying Oven



Product Overview

The DZF Series Vacuum Drying Ovens are specifically designed for drying heat-sensitive, decomposable, and oxidizable substances. They maintain a vacuum environment within the chamber and allow inert gas injection, enabling rapid drying of complex materials. Equipped with an intelligent digital temperature controller for precise temperature setting, display, and regulation, these ovens are widely used in biochemistry, pharmaceutical chemistry, environmental protection, and other fields.



LC-DZF-6210AB



Product Features

- > PID temperature control technology ensures accurate and reliable temperature regulation.
- > AB-series models: Premium 304 stainless steel chamber for enhanced durability and easy cleaning.
- > Removable shelves simplify cleaning and maintenance.
- > Silicone gasket and adjustable latch ensure vacuum integrity. Optional inert gas injection into chamber (max 0.1 MPa).
- > Double-layered tempered glass window allows clear observation under vacuum.
- > Cold-rolled steel shell with electrostatic powder coating, fine matte finish in classic gray-white for aesthetics and durability.
- > Supports drying, heating, testing, and storage in oxygen-free or inert gas environments to prevent oxidation.



Technical Parameters

Model	LC-DZF-6020A LC-DZF-6020AB	LC-DZF-6050A LC-DZF-6050AB	LC-DZF-6090AB	LC-DZF-6210AB
Power Supply	AC 220V 50Hz	AC 220V 50Hz	AC 220V 50Hz	AC 220V 50Hz
Power	300W	1200W	1400W	3000W
Display Mode	LCD display	LCD display	LCD display	LCD display
Vacuum Degree	133Pa	133Pa	133Pa	133Pa
Temp. Range	RT+10~200°C	RT+10~200°C	RT+10~200°C	RT+10~200°C
Temp. Accuracy	±1°C	±1°C	±1°C	±1°C
Forced-Air Convection	/	/	/	/
Timing Range	0-9999min	0-9999min	0-9999min	0-9999min
Working Dimensions	300×300×275mm	370×415×345mm	450×450×450mm	550×650×600mm
Effective Volume	24L	52L	91L	214L
Standard Number of Shelves	2	2	2	3
Bearing of Shelf	15Kg	15Kg	15Kg	15Kg
Net Weight	42Kg	70Kg	90Kg	170Kg
Product Dimensions	610×420×440mm	735×505×515mm	760×570×630mm	1050×800×1000mm

DZF Series

Vacuum Drying Oven



Product Overview

The LC-DZF Series Vacuum Drying Ovens are designed for drying, baking, and dry-heat sterilization under vacuum conditions. Ideal for heat-sensitive, decomposable, and oxidizable materials, these ovens maintain precise vacuum levels and support inert gas injection to enable rapid drying of complex compositions.



Product Features

- > High-precision digital vacuum gauge for real-time pressure display.
- > Microprocessor-based multi-channel intelligent PID temp control: temp regulation, programmable timers, over-temperature alarm.
- > Fuma heavy-duty adjustable leveling casters: smooth movement, height adjustment, shock absorption on various surfaces.
- > Double-layered glass door ensures airtightness while providing clear visibility of the chamber contents.
- > Four heating tubes surrounding the chamber walls maximize contact area for temperature uniformity.
- > Anti-backflow oil valve and debris filter extend pump lifespan. Standard oil mist filter purifies exhaust gases, reducing environmental pollution.
- > Exterior: Thickened cold-rolled steel shell with electrostatic powder coating for corrosion resistance.



Technical Parameters

Model	LC-DZF-D6050BE LC-DZF-D6050AB	LC-DZF-D6090BE LC-DZF-D6090AB	LC-DZF-D6210BE LC-DZF-D6210AB
Power Supply	220V/50Hz	220V/50Hz	220V/50Hz
Power	1400W	2000W	3000W
Effective Volume	50L	90L	214L
Temp. Range	RT+10-250°C	RT+10-250°C	RT+10-250°C
Temp. Resolution	0.1°C	0.1°C	0.1°C
Chamber Material	AB: 201 Stainless Steel; BE: 304 Stainless Steel		
Vacuum Degree	≤ - 0.1MPa	≤ - 0.1MPa	≤ - 0.1MPa
Vacuum Pressure Gauge	Digital Display	Digital Display	Digital Display
Vacuum Port Size	φ8mm	φ8mm	φ8mm
Pumping Speed	2L/s	4L/s	4L/s
Standard Number of Shelves	2	3	3
Bearing of Shelf	15Kg	15Kg	15Kg
Working Dimensions	415×370×345mm	450×450×450mm	550×600×650mm
Net Weight	95.3Kg	135.7Kg	252.7Kg
Product Dimensions	605×560×1200mm	670×640×1460mm	840×820×1730mm

VO Series

Explosion Proof Vacuum Drying Oven



Product Overview

The VO Series Explosion Proof Vacuum Drying Oven-integrates vacuum drying with explosion proof safety. Ideal for hazardous environments with flammable gases or dusts, processing heat sensitive, oxidizable materials. Retains vacuum efficiency while eliminating explosion risks.



Product Features

- > Meets GBT 3836.1-2021 explosion proof standard-flameproof & intrinsically safe, non sparking design, with official certificate.
- > LCD PID controller-dynamic adjustment, temp fluctuation $\leq \pm 0.5^{\circ}\text{C}$, auto optimized heating curve, reduced overshoot.
- > Double tempered glass door (6+15mm)- 20% larger window for easy sample observation.
- > High temp silicone O ring-aging/corrosion resistant, triple ridge design for easy door opening after pressure release.
- > Cold rolled steel shell (1mm) with electrostatic coating; 304 stainless steel chamber (3mm) reinforced with steel, rounded corners for easy cleaning, wrap around heating.



VO-6500EX



Technical Parameters

	VO-6020EX	VO-6030EX	VO-6050EX	VO-6090EX
Model	(Integrated with pump)	(Integrated with pump)	(Integrated with pump)	(Integrated with pump)
Rated Power	0.9kW	1.2kW	1.6kW	2.4kW
Effective Volume	25L	31L	52L	91L
Power Supply	AC380V/50Hz	AC380V/50Hz	AC380V/50Hz	AC380V/50Hz
Explosion Protection Level	ExdbibIIBT4Gb	ExdbibIIBT4Gb	ExdbibIIBT4Gb	ExdbibIIBT4Gb
Electrical / Instrument Explosion Type	Composite (flameproof & intrinsically safe)			
Sensor Explosion Type	Safety barrier isolated	Safety barrier isolated	Safety barrier isolated	Safety barrier isolated
Temp. Range	RT+10 ~ 250°C	RT+10 ~ 250°C	RT+10 ~ 250°C	RT+10 ~ 250°C
Achievable Vacuum	$\leq 100\text{pa}$	$\leq 100\text{pa}$	$\leq 100\text{pa}$	$\leq 100\text{pa}$
Vacuum Pump Explosion Type	Motor explosion proof (flameproof type)			
Pumping Speed	2L/S	2L/S	2L/S	2L/S
Inner Chamber Material	304 stainless steel	304 stainless steel	304 stainless steel	304 stainless steel
Product Dimensions	450×530×1060mm	470×540×1080mm	530×580×1140mm	590×620×1250mm
Net Weight	98kg	103kg	122kg	153kg



Technical Parameters

	VO-6160EX	VO-6210EX	VO-6250EX	VO-6500EX
	(Integrated with pump)	(Integrated with pump)	(Integrated with pump)	(Integrated with pump)
Model				
Rated Power	3.05kW	3.55kW	4.55kW	7.2kW
Effective Volume	150L	215L	252L	431L
Power Supply	AC380V/50Hz	AC380V/50Hz	AC380V/50Hz	AC380V/50Hz
Explosion Protection Level	ExdbibIIBT4Gb	ExdbibIIBT4Gb	ExdbibIIBT4Gb	ExdbibIIBT4Gb
Electrical / Instrument Explosion Type	Composite (flameproof & intrinsically safe)			
Sensor Explosion Type	Safety barrier isolated	Safety barrier isolated	Safety barrier isolated	Safety barrier isolated
Temp. Range	RT+10~ 250°C	RT+10~ 250°C	RT+10~ 250°C	RT+10~ 250°C
Achievable Vacuum	≤ 100pa	≤ 100pa	≤ 100pa	≤ 100pa
Vacuum Pump Explosion Type	Motor explosion proof (flameproof type)			
Pumping Speed	4L/S	4L/S	4L/S	6L/S
Inner Chamber Material	304 stainless steel	304 stainless steel	304 stainless steel	304 stainless steel
Product Dimensions	660×670×1520mm	720×810×1520mm	760×870×1610mm	790×980×1760mm
Net Weight	235kg	251kg	287kg	452kg

	VO-6020EX (Benchtop)	VO-6030EX (Benchtop)	VO-6050EX (Benchtop)	VO-6090EX (Benchtop)
Model				
Rated Power	0.5kW	0.8kW	1.2kW	1.2kW
Effective Volume	25L	31L	52L	52L
Power Supply	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
Explosion Protection Level	ExdbibIIBT4Gb	ExdbibIIBT4Gb	ExdbibIIBT4Gb	ExdbibIIBT4Gb
Electrical / Instrument Explosion Type	Composite (flameproof & intrinsically safe)			
Sensor Explosion Type	Safety barrier isolated	Safety barrier isolated	Safety barrier isolated	Safety barrier isolated
Temp. Range	RT+10~ 250°C	RT+10~ 250°C	RT+10~ 250°C	RT+10~ 250°C
Achievable Vacuum	≤ 100pa	≤ 100pa	≤ 100pa	≤ 100pa
Inner Chamber Material	304 stainless steel	304 stainless steel	304 stainless steel	304 stainless steel
Product Dimensions	710×500×570mm	730×520×590mm	820×580×640mm	820×580×640mm
Net Weight	65kg	76kg	97kg	97kg

	VO-6160EX (Benchtop)	VO-6210EX (Benchtop)	VO-6250EX (Benchtop)	VO-6500EX (Benchtop)
Model				
Rated Power	2.5kW	3kW	4kW	6kW
Effective Volume	150L	215L	252L	431L
Power Supply	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC380V/50Hz
Explosion Protection Level	ExdbibIIBT4Gb	ExdbibIIBT4Gb	ExdbibIIBT4Gb	ExdbibIIBT4Gb
Electrical / Instrument Explosion Type	Composite (flameproof & intrinsically safe)			
Sensor Explosion Type	Safety barrier isolated	Safety barrier isolated	Safety barrier isolated	Safety barrier isolated
Temp. Range	RT+10~ 250°C	RT+10~ 250°C	RT+10~ 250°C	RT+10~ 250°C
Achievable Vacuum	≤ 100pa	≤ 100pa	≤ 100pa	≤ 100pa
Inner Chamber Material	304 stainless steel	304 stainless steel	304 stainless steel	304 stainless steel
Product Dimensions	910×720×880mm	960×790×930mm	1000×790×980mm	1100×1020×1090mm
Net Weight	172kg	208kg	235kg	415kg

DZK Series

Vertical Vacuum Drying Oven



Product Overview

The DZK Series Vacuum Drying Oven is a type of box that heats, dries, and bakes items in a relatively vacuum state; Specially designed for drying heat sensitive, easily decomposable, and oxidizable substances, it can maintain a certain degree of vacuum in the studio during operation and can be filled with inert gas inside. Even some complex items can be quickly dried.



Product Features

- > Precise PID Control: Ensures uniform and stable heating with programmable temperature profiles.
- > Robust & Easy-Clean Chamber: Made of high-quality stainless steel with removable aluminum shelves.
- > High Vacuum Integrity: Features a fine-resolution vacuum gauge and an adjustable door with molded silicone gasket.
- > Comprehensive Safety: Includes over-temperature alarm with auto-shutoff, power-off memory, and electrical protections (overload, short circuit).
- > Customizable Options: Available with 304 stainless steel shelves and a gas inlet valve for inert gas purging (≤ 0.1 MPa).



Technical Parameters

Model	LC-DZK-6025B LC-DZK-6025C	LC-DZK-6055B LC-DZK-6055C	LC-DZK-6095B LC-DZK-6095C	LC-DZK-6125B LC-DZK-6125C
Effective Volume	23L	56L	91L	125L
Power	800W	1400W	2000W	3000W
Power Supply	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
Display Mode	LCD display	LCD display	LCD display	LCD display
Temp. Range	RT+10 ~ 250°C	RT+10 ~ 250°C	RT+10 ~ 250°C	RT+10 ~ 250°C
Temp. Resolution	0.1°C	0.1°C	0.1°C	0.1°C
Vacuum Degree	-0.1MPa	-0.1MPa	-0.1MPa	-0.1MPa
Timing Range	1min ~ 999h59min	1min ~ 999h59min	1min ~ 999h59min	1min ~ 999h59min
Max. Continuous Operating Time	230°C /7Days	230°C /7Days	230°C /7Days	230°C /7Days
Inner Tank Dimensions	280×280×300mm	350×400×400mm	450×450×450mm	500×500×500mm
Standard Number of Shelves	2	2	2	3
Bearing of Shelf	15Kg	15Kg	15Kg	15Kg
Fuse Rating	5A	10A	15A	20A
Net Weight	46Kg	70Kg	95Kg	113Kg
Product Dimensions	436×535×630mm	516×665×730mm	616×725×851mm	676×785×900mm