LABORATORY FREEZE DRYER

IG-LZ series

iGENE LABSERVE

Innovative • Interactive • Intuitive

FEATURES & SPECIFICATIONS

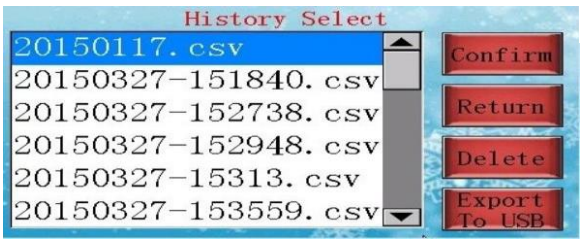
FEATURES

iGene Laboratory freeze dryers are widely used in medicine, pharmacy, biology research, chemical industry and food production ,etc. After freeze drying process, a long term preservation for material is much easier. They can be restored to original state and maintain their chemical and biological characteristics after being watered. The vacuum freeze drying technology, which is also called sublimation drying, is a technical method that freezes the samples in advance, and then sublimates its moisture under vacuum state.

- Bench-top machine, suitable for drying products in bulk.
- Control panel display in English
- Vacuum can be displayed in Pa or Mbar
- Condenser with uniform and good ice capture function
- Acrylic drying Chamber is safe and easy to view sample status
- Small and compact structure , with easy and convenient operation
- Vacuum pump with high pumping speed , to reach good final vacuum
- Big opening condenser with external coiling tubes, has pre-freezing function
- Color LCD touch screen displays running time, display sample temperature, condenser temperature , vacuum degree, and save data automatically
- Display sample temperature curve, condenser temperature curve and vacuum curve
- CFC-free refrigerant, international famous brand compressor, low noise, good efficiency
- Condenser, trays, drying shelf and pre-freezing shelf are made of stainless steel 304, anti-corrosion
- Stainless steel air inlet valve (drain valve) is safe, anti-corrosion , no leak
- With USB port to output freeze drying data, open and view data in Excel format

Main interface

"Real-time curve" interface



"History select" interface

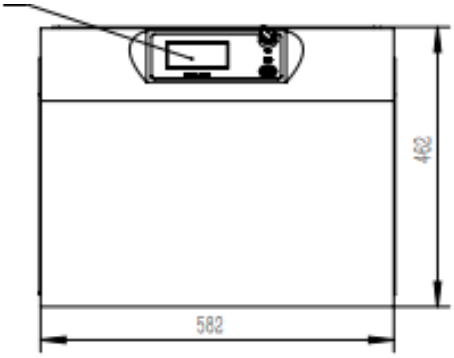
SPECIFICATIONS

Models	IG-LZ10S	IG-LZ10T	IG-LZ10PT
Type	Standard chamber	TOP Press	TOP Press chamber with 8 port manifold
Freeze drying area	0.12 ㎡		
Ice Condenser capacity	3-4 kg /24h		
Condenser temperature	-80ºC		
Final vacuum	< 10 Pa		
Tray	Φ200mm,4 layers Spacing 70mm		
Bulk capacity	1.2L, 10mm thickness		
Vial capacity Φ12mm	820 pcs		
Vial capacity Φ16mm	460 pcs		
Vial capacity Φ22mm	244 pcs		
Condenser size	Φ215mm, 140mm deep		
Drying chamber size	Φ260×430mm		
Vacuum Pump Flow Rate	2 L/S, 7.2 m3/h		
Defrosting	Off Cycle Defrosting		
Cooling	Air cooling, ambient temperature≤25 ºC		
Voltage	220V /50 Hz,single phase		
Power	1400W (-80 ºC)		
Dimension	850 x 680x (400+430)mm (-80 ºC)		
weight	130kg (-80 ºC)		

Standard chamber

TOP Press chamber

TOP Press chamber with 8 port manifold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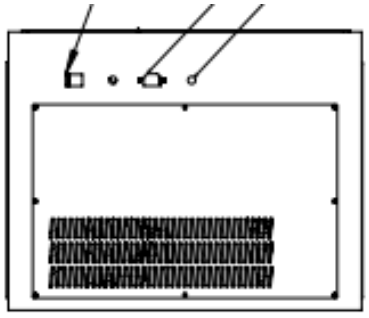

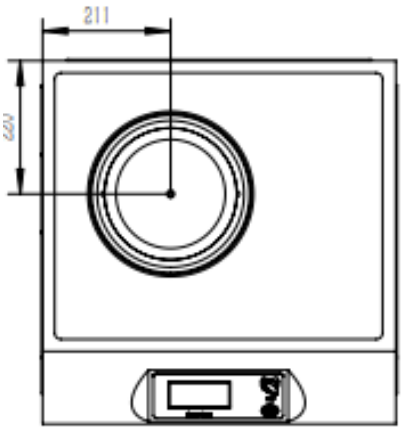
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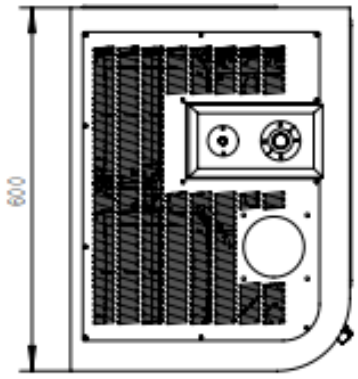
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