

FREEZE DRYER (LYOPHILIZER)



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(-60°C) Condenser temperature, suitable for samples with most water solvents; (-80°C) Condenser temperature, applicable for samples with low freezing point substances Benchtop Freeze Dryer (Lyophilizer) removes water from frozen materials by turning ice directly into vapor (sublimation) without becoming liquid. This process uses heat to vaporize the ice, vacuum to remove the vapor, and a cold collector to condense it back into ice.

FEATURES:

- Vacuum Control Function
- USB Interface & Software - Optional
- 7" Touch Screen Display, Simple operation
- Defrost Heating Coil
- Power-off auto-recovery function: Allows customers to set the power-off restart time
- Display - condenser temperature, sample temperature and vacuum, display graph
- Vacuum and temperature correction to ensure long-term accuracy in use.
- Alarm and prompt functions to prevent misoperation
- Vacuum System - High-precision vacuum gauge.
- Set vacuum pump start and stop required condenser temperature Oil mist filter



TECHNICAL PARAMETERS

MODEL	BR-ER3-60A	BR-ER3-60B	BR-ER3-60C	BR-ER3-60D
Condenser Temperature	-60°C	-60°C	-60°C	-60°C
Freeze Drying Area	0.12m²	0.094m²	0.12m²	0.094m²
Freeze Dryer with	-	Stopper	Manifold	Manifold & Stopper
Tray Size	200mm x 4	200mm x 3	200mm x 4	200mm x 3
Vacuum Pressure	<5Pa		<10Pa	
Refrigeration system	Single Cascade			
Display	7 " Touch Screen Display			
Tray Spacing	70mm			
Ice Condenser Capacity	3L/24h			
Ambient Temperature	15°C ~ 25°C			
Relative Humidity	≤ 70%			
Defrost	Heating Coil			
Vacuum Pump Type	Double Stage Oil-Lubricated Rotary Vane Vacuum Pump			
Vacuum Pump	Standard Supply - DSVP55			
Vacuum Pump Rotary Speed	1400 RPM			
Vacuum Pump Oil Capacity	0.8ltr.			
Vacuum Pump Noise Level	54dB			
Vacuum Pump Weight	25kg			
Vacuum Control Option	Yes			
USB Option	Yes			
Power	950W			
Power Supply	220-240V / 50Hz			
Dimension Vacuum Pump (LXWxH)	750 x 310 x 350 mm			
Instrument Dimension (LxWxH)	393 x 500 x 450 mm (Without Chamber)			
Dimension (LXWxH) (Main Instrument)	5610 x 500 x 780 mm			
Dimension Accessories Box (LXWxH)	340 x 570 x 520 mm		570 x 715 x 560 mm	
Total Gross Weight (3 Wooden Box)	92kg	96kg	103kg	107kg



TECHNICAL PARAMETERS

MODEL	BR-ER3-80A	BR-ER3-80B	BR-ER3-80C	BR-ER3-80D
Condenser Temperature	-80°C	-80°C	-80°C	-80°C
Freeze Drying Area	0.12m ²	0.094m ²	0.12m ²	0.094m ²
Freeze Dryer with	-	Stopper	Manifold	Manifold & Stopper
Tray Size	200mm x 4	200mm x 3	200mm x 4	200mm x 3
Vacuum Pressure	<10Pa			
Refrigeration system	Dual Cascade			
Display	7 " Touch Screen Display			
Tray Spacing	70mm			
Ice Condenser Capacity	3L/24h			
Ambient Temperature	15°C ~ 25°C			
Relative Humidity	≤ 70%			
Defrost	Heating Coil			
Vacuum Pump Type	Double Stage Oil-Lubricated Rotary Vane Vacuum Pump			
Vacuum Pump	Standard Supply - DSVP55			
Vacuum Pump Rotary Speed	1400 RPM			
Vacuum Pump Oil Capacity	0.8ltr.			
Vacuum Pump Noise Level	54dB			
Vacuum Pump Weight	25kg			
Vacuum Control Option	Yes			
USB Option	Yes			
Power	950W			
Power Supply	220-240V / 50Hz			
Dimension Vacuum Pump (LxWxH)	750 x 310 x 350 mm			
Instrument Dimension (LxWxH)	393 x 500 x 450 mm (Without Chamber)			
Dimension (LxWxH) (Main Instrument)	5610 x 500 x 780 mm			
Dimension Accessories Box (LxWxH)	340 x 570 x 520 mm		570 x 715 x 560 mm	
Total Gross Weight (3 Wooden Box)	92kg	96kg	103kg	107kg

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