



Lyophilizers



KFD-S



KFD-M



KFD-MT

SALIENT FEATURES:

- Space-Saving Bench-Top Design: Ideal for laboratories needing efficient bulk drying without occupying too much space.
- Simple & Intuitive Controls: Easy to use interface for easy and hassle-free operation.
- Dual Vacuum Measurement Options: Monitor vacuum levels in both Pa and Mbar for precise process control.
- Compact & User-Friendly Structure: Designed for convenience, featuring a small footprint without compromising efficiency.
- Durable Transparent Chamber: Made from high-quality acrylic, providing clear visibility of samples throughout the drying cycle.
- High-Performance Vacuum Pump: Delivers optimal vacuum levels with rapid pumping, accelerating the drying process.
- Touchscreen Interface: The full-color touchscreen displays essential operational data in real time, including runtime, sample and condenser temperatures, and vacuum levels.
- Intelligent Data Logging: Track vacuum and temperature trends with ease, and export data to Excel via a built-in USB port for streamlined record-keeping.
- Robust Construction: Corrosion-resistant and leak-proof, ensuring reliable long-term operation.

SPECIFICATIONS:

Model	KFD-S	KFD-M	KFD-MT
Make	KLABS	KLABS	KLABS
Chamber Type	Standard Chamber	8 Manifold Chamber	8 Manifold and Top Press Chamber
Freezer Drying Area	0.12m ²	0.12m ²	0.12m ²
Tray	4 pcs	4 pcs	4 pcs
Height Between Trays	50mm	50mm	50mm
Cold Trap Temperature	≤-60°C(No load)	≤-60°C(No load)	≤-60°C(No load)
Cold Trap Capacity	6L	6L	6L
Cold Trap Size(Dia*Height)	∅ 219*140mm	∅ 219*140mm	∅ 219*140mm
Vacuum	≤5Pa	≤5Pa	≤5Pa
Water Capture Capacity	3~4L/24h	3~4L/24h	3~4L/24h
Tray Size(D*H)	∅ 200*20mm	∅ 200*20mm	∅ 180*20mm
Freeze Drying Time	36h	36h	36h
Loading Capacity/Shelf(Liquid)	1.2L	1.2L	0.8L
Total Loading Capacity(Liquid)	2.4L	2.4L	1.6L
Drying Chamber Size(Dia*H)	∅ 260*420mm	∅ 260*420mm	∅ 260*465mm
Refrigerant	R600A	R600A	R600A
Defrosting	Electric Defrosting	Electric Defrosting	Electric Defrosting
Cooling System	Air Cooling	Air Cooling	Air Cooling
Standard Accessories	Vacuum pump Material tray Drying rack Chamber	Vacuum pump Material tray Drying rack Chamber 8 flasks	Vacuum pump Material tray Drying rack Chamber 8 flasks
Power Consumption	1300W		
Power Supply	AC 220v / 50Hz		
Dimensions	640 x 610 x 550 mm		
Weight	125 kgs	129 kgs	136 kgs