



Manifold Freeze Dryer SMFD-C12

Overview

Manifold Freeze Dryer SMFD-C12 provides 0.27m² drying area and a cold trap temperature below -55°C for effective moisture removal. The cold trap and workbench are made of stainless steel to resist corrosion. It has a built-in pre-freezing function, so samples can freeze directly without needing an extra low-temperature freezer. Our manifold freeze dryer shows real-time readings of the cold trap temperature, sample temperature, and vacuum levels. It also has caster wheels for easy movement.

Features :

LCD

Gas flow control

Easy to operate

Energy efficient

Powerful compressor

Low noise

Specifications :

Type	Manifold
Freeze drying area	0.27 m ²
Material Tray Size	C 200 mm
Extraction rate	2.7 L
Cold trap temperature	< -55°C; (-110°C optional)
Drying chamber	Φ300 × 540 mm
Cold trap diameter	Φ270 × 400 mm
Material tray spacing	70 mm
Material tray number	6 pcs
Water harvesting	6 kg/24h
Defrosting	Electric defrost
Vacuum value	Below 5 Pa
Power	1400 W
Power supply	Single phase 220V
Dimension	630 × 580 × 970 mm
Packaging Dimension	850 × 800 × 1180 mm
Net weight	110 Kg
Gross weight	130 Kg

Standard Accessories :

Vacuum pump

Glass chamber

Applications :

Manifold Freeze Dryer SMFD-C12 is widely used in biotech, pharma, food processing, and material science to preserve samples by removing moisture through sublimation.

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Vacuum pump

Glass chamber