

LABORATORY FREEZE DRYER



PRODUCT INFO

PRODUCT NAME:

Laboratory Freeze Dryer

PRODUCT CATEGORY:

Vacuum Freeze-Drying System

Drying Method:

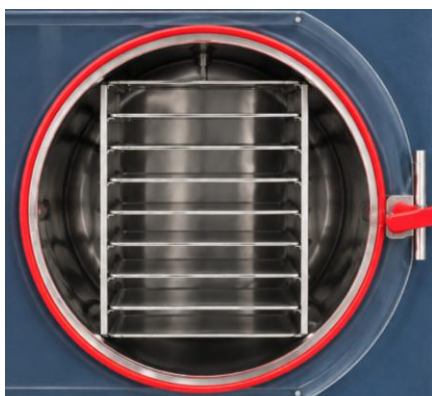
Freeze-Drying Under Vacuum

Power Supply:

220 V

QUICK GUIDE

Designed for laboratory freeze-drying applications, the Pallasite Freeze Dryer provides a controlled low-pressure environment for removing moisture from frozen samples while supporting sample preservation and controlled drying.



CONTROLLED FREEZE-DRYING UNDER VACUUM

Pallasite's Laboratory Freeze Dryer combines a vacuum drying chamber, multi-shelf sample arrangement, and integrated digital controls in a compact research-oriented system. The unit is designed to support controlled freeze-drying workflows for laboratory and experimental applications.



Siemens HMI — Integrated System Control

KEY FEATURES



VACUUM-ASSISTED FREEZE

Provides a controlled reduced-pressure environment for laboratory freeze-



MULTI-SHELF SAMPLE

The chamber incorporates multiple sample shelves to support organized batch processing.



INTEGRATED DIGITAL

A digital user interface provides centralized monitoring and operation of the freeze-drying system.

TECHNICAL SPECIFICATIONS

Information	Specification
Chamber Volume (L)	50
Chamber Material	316 Stainless Steel
Minimum Operating Temperature (°C)	-40
Minimum Vacuum Pressure, Gauge (Bar)	-0.384
Dimension (L × W × H cm)	50 × 40 × 110
Controller system	Siemens PLC Control System
Number of Shelves /Material	#7/304 Stainless Steel
Power Supply (V)	220

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