



Alpha 1-2 LDplus Entry Package

Your start-up kit for
successful freeze
drying applications



Martin Christ
Gefriertrocknungsanlagen GmbH
An der Unteren Söse 50
37520 Osterode • Germany
Tel. +49 (0) 55 22 50 07-0
Fax +49 (0) 55 22 50 07-12
info@martinchrist.de
www.martinchrist.de



Alpha 1-2 LDplus Entry Package

Laboratory Freeze Dryer

Easy-To-Use and Most Efficient

Alpha 1-2 LDplus Entry Package

Lyophilization, also called freeze drying, is by far the gentlest product drying method. It is based on the physical phenomenon of sublimation, which means a direct transition from the solid state to the vapour state without passing through the liquid state. The frozen products are dried under vacuum without thawing.

This method offers a wide spectrum of potential applications:

- For preserving the characteristics of the original substances (e.g. pharmaceutical products or coffee)
- For preserving the original form (e.g. animal preparations, archaeological objects, flowers or books)
- For conditioning the material (e.g. freeze-dried fruit in yoghurt)
- For the sample preparation for chemical or biochemical analysis (e.g. investigation of trace elements in foods, sludge or soil)

The Alpha 1-2 LDplus Entry Package with its ultimate perfection is your universal tool for successful processes, day by day.



Scan for video instructions on how to install the Alpha 1-2 LDplus.

Link: scan.me/ddkb76s

Get a free QR-Code scanner at: free.scan.me



Complete and Ready-To-Use

Trust Our Application Competence

The Entry Package includes:

- Freeze dryer Alpha 1-2 LDplus
- Vacuum pump with exhaust filter
- Vacuum sensor
- Acrylic chamber
- Internal base plate for other containers
- 6 rubber valves for flask connection

Get Best Results

Innovative technology and highest quality

- Compact, high-performance laboratory lyophilizer with little space requirements
- Drying chamber directly above ice condenser chamber – for high sublimation performance and short process times
- Ice condenser chamber with high-quality stainless steel and internal condenser coils
- Easily accessible ice condenser and perfect visual control
- Fast hot-gas defrosting and cleaning/decontamination, drain valve included
- Digitally displayed ice condenser temperature with indirect determination of sample temperature
- Modular design: retrofit your Entry Package with our comprehensive range of accessories

Product Details

Ice condenser

- Max. capacity max. 2.5 kg
- Performance max. 2 kg/24 h
- Temperature approx. -55 °C
- Chamber volume approx. 3.5 l

Refrigeration system

0.43 kW

Vacuum pump:

- Suction capacity 2.3 m³/h
- Final vacuum 2 x 10⁻³ mbar (hPa)

Power supply

230 V/50 Hz

(other voltages on request)

230 V/60 Hz

ALPHA 1-2 LDplus - entry package

additional ports for 6 round bottom flasks, wide-neck filter bottles or distributors

<i>Description</i>	<i>Art.-No. Single-component</i>	<i>Qty.</i>
ALPHA 1-2 LDplus 230V 50 Hz	101521	1
Vacuum sensor	125478	1
Vacuum hose	125702	1
Base plate	120890	1
Acrylic chamber with 6 connections	121454	
Rubber valve	121860	6
Vacuum pump RZ-2 (2,25 m ³ /h)	125302	1
Exhaust filter	125501	1
Set-No. Package / Total price	101530	8000 €

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