

Лабораторная сублимационная сушилка Alpha 1-4 LSCplus

Технические характеристики

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Alpha 1-4 LSCplus



Laboratory freeze-dryer

For efficient lyophilization of samples with the innovative
Wireless Shelf Technology.

Basic device

Compact tabletop unit for effective lyophilisation of specimens with innovative Wireless Shelf Technology. The freeze dryer can be configured with tried and tested accessories to meet your specific needs. The simple and intuitive LSCplus controller supports manual and automatic process control for reproducible results.

Two different drying methods are available to handle virtually every task. -55°C condenser temperature for drying aqueous specimens.

Ice condenser capacity
4 kg

Ice condenser temperature
 -55°C

Footprint
390 x 415 x 555 mm



Product Specifications

Ice condenser capacity	4 kg
Ice condenser temperature	-55 °C
Dimensions of base model (W x H x D)	390 x 415 x 555 mm
Weight	48 kg
Communication port	Ethernet
GWP Index	2

Special Features

- Vacuum control
- Pressure rise test
- Defrost function

- Product temperature
- Program selector



Alpha 1-4 LSCplus

Freezing and drying inside the ice condenser (single-chamber method) on a heated shelf, optionally with a fan

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Single-chamber
Max. number of shelves	1
Shelf diameter	200 mm
Total shelf area	0,031 m ²
Max. container height	60 mm
Shelf temperature	–25 °C to +60 °C



Alpha 1-4 LSCplus

Freezing and drying inside the ice condenser (single-chamber method) on a heated shelf with stoppering device for vials, optionally with a fan

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Single-chamber
Max. number of shelves	1
Shelf diameter	200 mm
Max. capacity for 2R Vials	110
Stoppering device	Yes
Shelf temperature	–25 °C to +60 °C



Alpha 1-4 LSCplus

Two drying chambers with a total of 24 connections for round-bottom flasks, wide-neck bottles or ampoule distributors

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Double-chamber
Acrylic chamber	2 x Ø 300 mm
Max. connections	24



Alpha 1-4 LSCplus

Drying manifold for eight round-bottom flasks, wide-neck bottles or ampoule distributors; specifically suitable for solvent drying

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Double-chamber
Max.connections	8



Alpha 1-4 LSCplus

Five heatable shelves, additional connections for up to twelve round-bottom flasks, wide-neck bottles or ampoule distributors

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Double-chamber
Max. number of shelves	5
Shelf diameter	200 mm
Total shelf area	0,155 m ²
Distance between shelves	25 mm
Max. connections	12



Alpha 1-4 LSCplus

Ten heatable shelves

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Double-chamber
Max. number of shelves	10
Shelf diameter	200 mm
Total shelf area	0,31 m ²
Distance between shelves	25 mm



Alpha 1-4 LSCplus

Five heatable shelves, additional connections for twelve round-bottom flasks, wide-neck bottles or ampoule distributors

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Double-chamber
Max. number of shelves	5
Shelf diameter	200 mm
Total shelf area	0,155 m ²
Distance between shelves	66 mm
Max. connections	12



Alpha 1-4 LSCplus

Two heatable shelves with stoppering device, additional connections for twelve round-bottom flasks, wide-neck bottles or ampoule distributors

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Double-chamber
Max. number of shelves	2
Shelf diameter	250 mm
Total shelf area	0,09 m ²
Distance between shelves	45 mm to 110 mm
Max. capacity for 2R Vials	300
Stoppering device	Yes
Max. connections	12



Alpha 1-4 LSCplus

Four heatable shelves with stoppering device

Condenser capacity: **4 kg**

Condenser temperature: **-55° C**

Controller	LSCplus
Method	Double-chamber
Max. number of shelves	4
Shelf diameter	250 mm
Total shelf area	0,18 m ²
Distance between shelves	45 mm to 110 mm
Max. capacity for 2R Vials	600
Stoppering device	Yes



Alpha 1-4 LSCplus

LyoCube with five heatable shelves 256 x 300 mm

Condenser capacity: **4 kg**

Condenser temperature: **-55 °C**

Controller	LSCplus
Method	Double-chamber
Number of shelves	5
Dimensions	256 x 300 mm
Total shelf area	0,38 m ²
Distance between shelves	55 mm



Alpha 1-4 LSCplus

Drying manifold for up to twenty round-bottom flasks, wide-neck bottles or ampoule distributors; specifically suitable for solvent drying

Condenser capacity: **4 kg**

Condenser temperature: **–55 °C**

Controller	LSCplus
Method	Double-chamber
Max. connctions	20



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