

VERTRIEB DURCH:



**Ihr Anbieter für Geräte im Bereich
Labor, Mikrobiologie und Industrie.**

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Apha 1-4 LSC plus

Base Model

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. Condenser capacity is 4 liter.



Product Specifications

Ice condenser capacity	4kg
Ice condenser performance	4kg/24h
Ice condenser temperature	-55°C
Dimensions of base model (W x H x D)	390 x 415 x 555 mm
Weight	48kg
Communication port	Ethernet

Special Features

- Vacuum control
- Pressure rise test
- Defrost function
- Product temperature
- Program selector

Available configurations:



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

Product specifications

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



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

Product specifications

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



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

Product specifications

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



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

Product specifications

Controller	LSCplus
Method	Double-chamber
Max.connections	8



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

Product specifications

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



Ten heatable shelves
Condenser capacity: 4 kg
Condenser temperature: -55° C

Product specifications

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



Five heatable shelves, additional connections for twelve round-bottom flasks, wide-neck bottles or ampoule distributors
 Condenser capacity: 4 kg
 Condenser temperature: -55° C

Product specifications

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



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

Product specifications

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



Four heatable shelves with stoppering device
 Condenser capacity: 4 kg
 Condenser temperature: -55° C

Product specifications

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



LyoCube with five heatable shelves 256 x 300 mm
Condenser capacity: 4 kg
Condenser temperature: -55° C

Product specifications

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



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

Product specifications

Controller	LSCplus
Method	Double-chamber
Max. connections	20