



Lyovapor™ L-300

First lab Freeze Dryer for continuous sublimation

With Infinite-Technology™ the Lyovapor™ L-300 offers continuous sublimation for the first time with two alternately working and automatically hygienically cleansed condensers at -105 °C. In addition, Infinite-Control™ allows entire process control of all relevant parameters, also via mobile devices.

Continuous

Unlimited sublimation of water and organic based solvents



Convenient

Intuitive and user-friendly interface, software and App



Economical

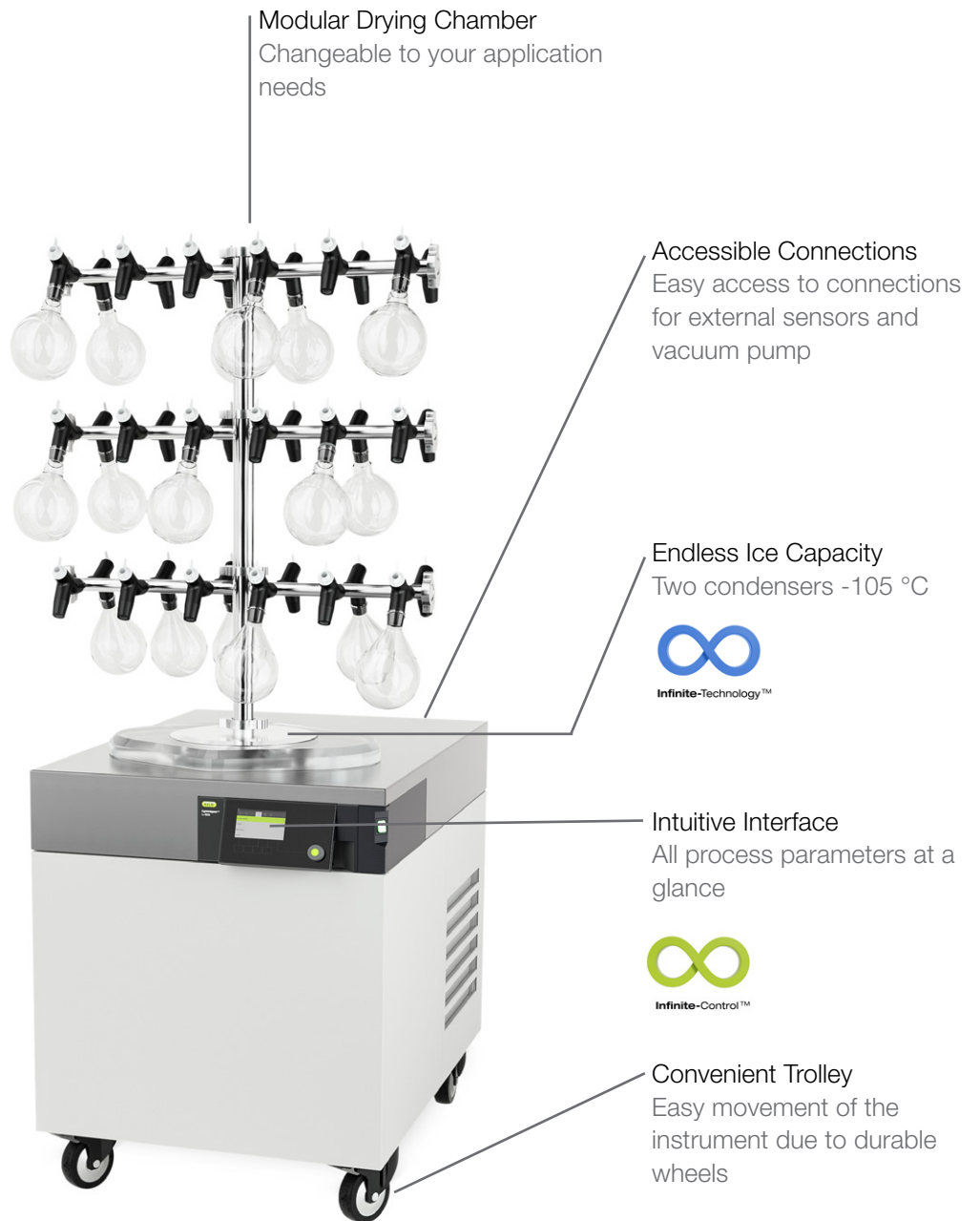
Low energy consumption and less maintenance needed





Lyovapor™ L-300

Key features and advantages



Modular drying chamber



Acrylic chamber with heated shelves and stoppering for vial drying



Acrylic chamber with heated shelves for bulk and vial drying



Acrylic chamber with 12 manifold top and shelves for bulk, vial and flask drying



Manifold with 12 valves for flask or beaker drying

Characteristics:



Infinite-Control™

Endless control anywhere, anytime of your freeze drying process due to interface, software and App.



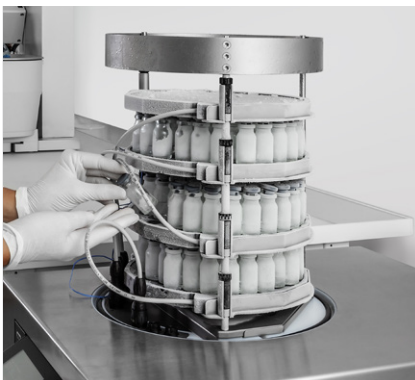
Automated cleaning

An integrated steam generator melts the ice and cleans the condenser hygienically.



End point determination

Temperature difference, pressure difference, and pressure rise tests can be used with optional sensors to determine the end point.



Flexible drying chambers

- Adjustable shelf distance according to your application needs
- Possibility to link two manifold racks together



Ergonomic handling

- Easy reading of process parameters due to the adjustable display
- Adaptable position of the display at the front or on the side



Upgradeability

Upgrade to Interface Pro anytime to enable working within the advanced Lyovapor™ Software.



The Lyovapor™ L-300 is equipped with two small ice condensers. The Smart-Switch ensures stable pressure in the drying chamber and allows for the independent loading of the condensers. The condensers are automatically defrosted and hygienically cleaned with steam, allowing for infinite lyophilization. Small condenser volume enables use of smaller and more economical vacuum pump.



Lyovapor™ L-300: Your most important benefits



Continuous

- Infinite ice capacity due to alternate loading
- Stable pressure due to Smart-Switch
- Reproducible process due to stable parameters: cooling temperature, shelf temperature variation ± 1 °C and vacuum pressure
- Lyophilization of water and organic based solvents at -105 °C



Convenient

- User-friendly and clearly arranged touch-screen control panel
- Get push notifications and process parameters anytime, anywhere using the BUCHI Monitor App
- Advanced software for creating and managing methods, data recording and reporting
- Maximum flexibility regarding display positioning (at front or side)
- Save your precious product by sample protection state



Economical

- Less maintenance due to fully automatic and hygienic cleaning of the ice condenser
- Always ready to use due to infinite capacity
- Just one device needed for different users
- Low energy consumption due to small ice condenser volume

Complete your portfolio



Lyovapor™ L-200
The first Freeze Dryer
with Infinite-Control™



Mini Spray Dryer
B-290
World leading laboratory
Spray Dryer



Rotavapor®
R-300
Convenient and efficient
rotary evaporation



Pure Chromatography
Systems
Fitting to your needs
and environment

