Telstar LyoBeta Mini

Laboratory Benchtop Freeze Dryer

LyoBeta Mini delivers industrial freeze-dryer capabilities to your benchtop Freeze-dryer: high performance, small size.



Advanced performance

The LyoBeta range of laboratory and R&D freeze-dryers offers high specifications and advanced performance for optimum freeze-drying results throughout all stages of freeze-drying process development.

LyoBeta Mini facilitates understanding of the key parameters of a freeze-drying process and provides a very valuable tool for process scale-up at stages approaching production. LyoBeta Mini offers similar features to larger units while occupying less space in research laboratories.

A small-scale unit

Capabilities of an industrial freeze-dryer have been designed into the new compact LyoBeta Mini Freeze-dryer; enabling optimization of industrial-scale recipes on a small-scale unit.

Design features

- Highest freeze-drying performance with minimum footprint
- Standard configuration includes:
  - Touch screen for unit control with PLC
  - Shelf temperature control from -55°C to +70°C
  - 5.5 l condenser capacity
  - <-85°C condenser temperature
  - Vacuum monitoring and control
  - Temperature sensors for product and shelf monitoring
  - Aeration valve
  - Flexible shelf area
  - Automatic defrosting
- User friendly and intuitive interface for easy operation



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Technical data

	LB Mini	Unit
Number of Shelves (max.)	2	-
Shelf dimensions (W x D)	386 x 224	mm
Usable shelf area (max)	0.18	m^2
Shelf temperature range	-55 to +70	°C
Condenser capacity	5.5	kg
Final condenser temperature	<-85	°C
Weight	200	kg
Dimensions (W x H x D)	941 x 755 x 630	mm



Options and accessories

- Automatic stoppering device
- Chamber-condenser isolation valve
- Venting Filter – for aeration of chamber with filtered air or Nitrogen
- Capacitance vacuum gauge (helps determine the end of primary drying)
- Microbleed vacuum control system to enable precise vacuum control
- Eutectimeter
- Sample thief for sample extraction during drying
- Moisture analyzer determines end point of primary and secondary drying
- Pressure control during stoppering process
- LyoSuite™ SCADA software
- Product Trays

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Telstar
Life Science solutions

Av. Font i Sagué, 55
Parc Científic I Tecnològic Orbital 40
08227 Terrassa (Spain)
☎ +34 937 361 600
FAX +34 937 861 380

Krommewetering 41
3543 AP Utrecht
The Netherlands
☎ +31 085 – 90 22 500
FAX +31 085 – 90 22 599

www.telstar-lifesciences.com

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