

## Freeze Dryer BETA 2-4 LD *plus* LT ("Low Temperature")

### Features:

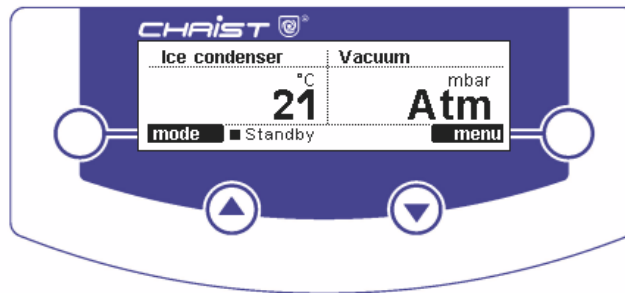
- ✓ The BETA 2-4 "Low Temperature" is a lyophilizer with an ice condenser temperature of  $-105\text{ }^{\circ}\text{C}$
- ✓ also suitable for products containing solvents like alcohols (t-butanol, methanol, ethanol, ...), acetonitril, TFA, DMSO, acetic acid, etc.
- ✓ The unique controller LDplus ("Lyo Display") allows an easy and intuitive operation in several languages plus vacuum control for fast processes
- ✓ Wide range of accessories including stainless steel or acrylic chambers and unheated shelves available
- ✓ Can also be used as cooling trap for evaporating systems like RVC's and other speed vacs
- ✓ air- and watercooled versions



### Technical data:

Ice condenser volume	4 liter
Ice condenser performance	2 kg/24 h
Ice condenser temperature	$-105\text{ }^{\circ}\text{C}$
Max. shelf area	5 shelves D=265 mm, A=0,28 m <sup>2</sup>
Max. amount of samples for flask drying	12 (rubber valves, on manifold or chamber)
Dimensions of basic unit (W x D x H)	780 x 540 x 415 mm (bench top unit)
Weight	appr. 80 kg
Power supply	230 V, 50-60 Hz (special voltage on request)
Power consumption	Max. 6 A
Software	"Lyolog" for process documentation (option)

## Controller LD *plus*



- ✓ **Graphic LC display** with a clear layout showing the **most important process data** (ice condenser temperature, process time, section time and vacuum)
- ✓ **Comfortable and self-explaining menu navigation** in German, English, French, Spanish and Polish language
- ✓ **Vacuum control** for optimization/reduction of process times (electromagnetic pressure control valve available as accessory)
- ✓ **Conversion of product temperature and vacuum** according to the vapour pressure curve above ice
- ✓ **RS-232 communication interface (PC)** available as an option, e.g. for process documentation **software LyoLog LL-1**

### Examples of further configurations + accessories



Unit with stainless steel chamber + glass lid and unheated shelves for sensitive products

Chemical resistant vacuum pump



Solvent resistant filter for rubber valves



Unit with acrylic chamber, unheated shelves and 12 valves for flask drying

Chemical resistant vacuum probe

