

Freeze Dryer EPSILON 2-16D

- a compact pilot- and small production unit



2 units as clean room installation + computerterminals with SCADA software



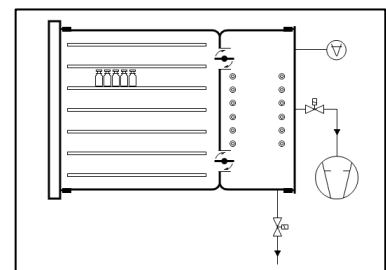
unit with integrated touch screen and SCADA software LPC 32



unit with 10 x Lyoguard trays

Facts and benefits:

- very compact unit with up to 1,2 m² shelf area
- available as stand alone or clean room version
- Lyoguard FD-container fit on the shelves (see picture)
- also for solvent freeze drying out of tubes, e.g. 5+1 shelves, distance= appr. 170 mm
- reduced water consumption for defrosting
- Modern LSC control system with SCADA software LPC 32 on a touch screen



Double chamber construction with 2 x DN 100 intermediate valves

Freeze Dryer EPSILON 2-16D - a compact pilot- and small production unit

icecondenser capacity	max. 16 kg
icecondenser performance	max. 10 kg/24 h
icecondenser temperature	appr. -85 °C
shelf temperature	-60 °C to +50 °C
number of shelves	max. 10+1 radiation plate
dimensions of shelves	300 x 400 mm (width x depth)
shelf surface area	max. 1.2 m ²
distance between shelves	83 mm with 10+1 shelves
dimensions width x depth x height	1562 mm x 836 (+80 mm door) x 1902 (+100 mm feet)
weight	Appr. 1100 kg
electrical connection	3x400V – 50 Hz
nominal power	12 kVA
max. current consumption	32 A
cooling water consumption	0,5 – 0,9 m ³ /h, max. 1.2 m ³ /h (max. 9,4 kW)
cooling water temperature	+10 to +20 °C (higher values as option)



LSC control system



Martin Christ Gefriertrocknungsanlagen GmbH
 Postfach 17 13 D-37520 Osterode am Harz
 Tel. +49 (0) 5522/50 07- 0 Fax +49 (0) 5522/50 07- 12
www.martinchrist.de e-mail: info@martinchrist.de