

Laboratory freeze-dryer LYOALFA 6

The LYOALFA 6 is a general-purpose laboratory freeze-dryer designed for use in research in biotechnology, clinical and pharmaceutical fields. The equipment is very flexible in its application and can be used for simultaneous freeze drying in flasks, vials or bulk by connection to various manifold systems or to a chamber. The unit is designed and manufactured according to GLP requirements.



CODE	MODEL
23752	LYOALFA 6 -50 / 220V 50Hz
23753	LYOALFA 6 -50 / 220V 60Hz
23754	LYOALFA 6 -80 / 220V 50Hz
23755	LYOALFA 6 -80 / 220V 60Hz

general features

- Compact designed base unit complete with castors for easy mobility, constructed in a steel stove enamelled cabinet with stainless steel front and rear door for service purposes.
- Simple connection to the operation systems: chambers tube manifolds (see accessories).
- Two-stage vacuum pump supplied with Gas-Ballast to remove water vapour or other condensables that could reach the pump. Exhaust filter included.

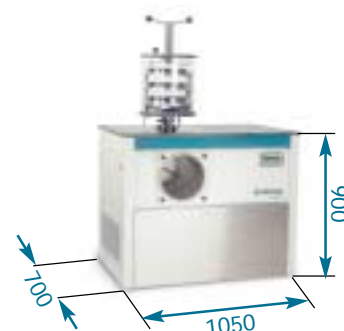
- Hermetical air-cooled refrigeration system. Ozone friendly refrigerant.
- Easy viewing of ice formation in condenser through a transparent acrylic door.
- Control system by microprocessor with digital screen.
- Read-out of vacuum and condenser temperature.
- Adjustment and read-out of shelves and product temperatures (only with chambers as an accessory).

basic unit technical data

CHARACTERISTICS	UNITS	LYOALFA 6-50	LYOALFA 6-80
Condenser capacity	kg (of ice)	10 (5 kg/24h)	10 (5 kg/24h)
Final temperature in condenser*	°C	<-50	<-80
Number of compressors	-	1	2
Nominal vacuum pump flow	m ³ /h	8.3	9.8
Total weight	kg	150	160
Voltage (single phase)	V-Hz	230 - 50/60	230 - 50/60
Total power	kW	1.5	2

*Valid for room temperature up to +21 °

DIMENSIONS (mm)



accessories

REFERENCE	ACCESSORIES	DESCRIPTION
7852+7904	Stoppering Chamber	Cylindrical glass chamber with 3 thermostated shelves and manual vial closing device
7852	Chamber	Cylindrical glass chamber with 3 thermostated shelves
70205	8 port manifold with valves	8 ports 18 mm outer Ø tube manifold to dry products in vials or flasks directly including connection to CN 29/32
20855	16 port manifold	16 ports 18 mm outer Ø tube manifold to dry products in vials or flasks directly including connection to CN 29/32
7917	40 port manifold	40 ports 13 mm outer Ø tube manifold to dry products in ampoules
8797	Recorder	6 channel graphic recorder



40 Port Manifold



8 Port Manifold



Stoppering chamber

accessories technical data

	UNITS	LYOALFA 6-50	LYOALFA 6-80
Product holding tray diameter	mm	250	250
Number of useful shelves		3	3
Distance between shelves	mm	70	70
Loading capacity (20 mm Ø vials)	pieces	270	270
Shelf heating temperature	°C	up to +70	up to +70

in-factory options

210C2	Special vacuum pump	Vacuum pump specially prepared for freeze drying corrosive products
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