

Freeze Drying

LyoQuest Freeze Dryers

Compact, benchtop, laboratory scale freeze dryers for research applications.

- ◆ Choice of models:
 - LyoQuest Plus: with automatic vacuum control for faster freeze drying with reproducible results
 - LyoQuest Plus Eco: additionally supplied with two-stage, 6m³/h vacuum pump fitted with exhaust filter and oil recovery device
 - Total condenser ice capacities of 5kg or 8kg
- ◆ Condenser ice rates up to 5kg in 24 hours (6kg LyoQuest-85 Plus Eco only)
- ◆ Touchscreen programming with large backlit LCD readout
- ◆ Auto start-up and shutdown routines programmable
- ◆ Automatic defrosting function
- ◆ Stainless steel AISI 316L condenser
- ◆ Side mounted vacuum and drain connections with valves

Model LyoQuest		-55 Plus	-85 Plus	-55 Plus Eco	-85 Plus Eco
Ult. condenser temp.* approx. °C		-55	-85	-55	-85
Condenser capacity	kg/24 hr	5	5	5	6
	total kg	5	5	8	8
No. of compressors		1	2	1	2
Overall W x D x H	mm	425 x 575 x 480 (without manifold)			
Weight	kg	65	70	65	70
Supply requirements†		230V 50Hz single phase supplies			
Rating	kW	1.1	1.4	1.1	1.4

*At ambient temperatures up to +21°C.

†110V or 230V 60Hz models are available - details on request.

Benchtop Freeze Dryers, LyoQuest

As described. Supplied without manifold which is required for operation. For 230V 50Hz single phase supplies.

FS505-10 LyoQuest-55 Plus

FS505-20 LyoQuest-85 Plus

FS505-30 LyoQuest-55 Plus Eco

FS505-40 LyoQuest-85 Plus Eco

Accessories

Shelf Chamber

Glass, cylindrical chamber 215 x 300mm diameter x height, with heated (ambient to +70°C) shelves 160mm diameter and with 70mm working height between shelves, fitted with 8 x 18mm diameter neoprene rubber valves to hold 29/32 jointed, round bottom flasks, vials or to hold bulk loads. Available with, or without manual vial stoppering device.

FS507-04 Shelf chamber with stoppering device

FS507-08 Shelf chamber without stoppering device

Flask Manifold

Column with 8 x 18mm diameter neoprene rubber valves to fit 29/32 jointed flasks only. Two manifolds can be fitted together to double capacity of required. Requires adapter plate FS507-38.

FS507-22 Flask manifold

Tube Manifold

Column with 40 x flexible natural rubber, 13mm o.d. tube nozzles for ampoules. Blanking plugs are provided for unused nozzles. Requires adapter plate FS507-38.

FS507-27 Tube manifold

Large capacity chamber

For handling large samples or batches of vials. Overall 315 x 440mm diameter x height with heated (ambient to +70°C) shelves 240mm diameter and with 100mm working height between shelves. Without stoppering device. Requires adapter plate FS507-38.

FS507-32 Large capacity chamber

Adapter plate

Allows column manifolds and large capacity chamber to be fitted to FS505-freeze dryers.

FS507-38 Adapter plate



FS505 with FS507-04



FS507-08



FS507-27



FS507-22



FS507-32