



LYODRY COMPACT BENCHTOP FREEZE DRYER

SINGLE OPERATOR INTERFACE, HOT GAS DEFROST, -55°C OR -85°C CONDENSER



LyoDry Compact benchtop condenser, -55°C OR -85°C



The latest generation **LyoDry Compact** benchtop freeze dryer, with **5 litre** capacity is available with a condenser temperature of either **-55°C** (part number LSBC55) or **-85°C** (part number LSBC85). Features also include hot gas defrost for **faster defrosting** and additional display options.

Designed to work with a **wide variety of drying accessories** to accommodate bulk materials, flasks, vials and ampules, this robust design includes a smooth wall, stainless steel ice condenser with a front mounted bottom drain.

The LyoDry Compact features a clear, bright **LCD display**, visible even from a distance. User friendly commands allow the operator to view vacuum units in **millibar, Torr** or **pascal** and temperature in **Celsius** or **Fahrenheit**. System status is obvious at a glance. The vacuum pump can be controlled on-screen, and the user is prompted to do this when the condenser reaches temperature.

The **LyoDry Compact** was originally designed as a direct replacement for the Edwards Modulyo® benchtop freeze dryer. Therefore many standard Modulyo drying accessories, (e.g. acrylic chamber, tray drying accessory, etc) are directly interchangeable, offering significant cost savings if only the condenser needs replacing.

The LyoDry Compact offers a superior, keenly priced, freeze drying solution, used and endorsed by universities and research laboratories in the UK and overseas. All LyoDry Freeze Dryers are UK designed, manufactured and supported.

Add an acrylic chamber, tray drying accessory or a column manifold and optional purpose-built SS trolley - see accessories list on page 2

FEATURES

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| <ul style="list-style-type: none"> • Compact benchtop footprint, -55°C or -85°C smooth wall stainless steel ice condenser | <ul style="list-style-type: none"> • 5 litre capacity |
| <ul style="list-style-type: none"> • User-prompted vacuum pump control, directly from screen | <ul style="list-style-type: none"> • Large, alphanumeric display of vacuum and temperature with backlit, matrix LCD display |
| <ul style="list-style-type: none"> • Clean, laboratory friendly, polished SS finish | <ul style="list-style-type: none"> • Easy to follow, user friendly commands |
| <ul style="list-style-type: none"> • System status - Cooling / Ready | <ul style="list-style-type: none"> • User changeable pressure vacuum units between mbar, Torr or Pa |
| <ul style="list-style-type: none"> • CFC free refrigeration system, Hot gas defrost | <ul style="list-style-type: none"> • User changeable temperature units between degrees Celsius or degrees Fahrenheit |
| <ul style="list-style-type: none"> • Supplied complete with pump connection kit | <ul style="list-style-type: none"> • System Start-Up bar graph clearly indicates time remaining until 'Ready' |
| <ul style="list-style-type: none"> • UK designed, manufactured and supported | <ul style="list-style-type: none"> • Compatible with most Edwards Modulyo accessories |

LYODRY COMPACT BENCHTOP FREEZE DRYER

TECHNICAL SPECIFICATION

Part number and model	LSBC55 LyoDry Compact	LSBC85 LyoDry Compact
Maximum condenser chamber capacity	5 litres	5 litres
Ice removal capacity (in 12 hours)	1.2kg (2.6 lbs)	1.2kg (2.6 lbs)
Ice removal capacity (in 24 hours)	2.3kg (5.1 lbs)	2.3kg (5.1 lbs)
Maximum ice capacity	4.5kg (9.9 lbs)	4.5kg (9.9 lbs)
Operating temperature (based on tests in well vented room at 20°C ambient; condenser under vacuum with no load)	-55 °C	-85 °C
Temperature display range	Ambient to -60 °C	Ambient to -90 °C
Pressure display range	0.01 mbar to 1000 mbar	0.01 mbar to 1000 mbar
Refrigeration compressor type	2/3 hp hermetic unit	1/2 / 1/3 hp hermetic unit
Dimensions (H x W x D)	332 x 455 x 600 mm	332 x 555 x 685 mm
Weight	55kg (121 lbs)	77kg (170 lbs)
Power requirements	LSBC55-230: 230VAC/50 Hz, 1.9 kW LSBC55-115: 115VAC/60 Hz	LSBC85-230: 230VAC/50 Hz, 2.3 kW LSBC85-115: 115VAC/60 Hz



Add a drying accessory, such as the LSAD6 chamber, vacuum pump, and optional, purpose built SS trolley for a complete, low-cost, laboratory freeze drying solution

LYODRY COMPACT ACCESSORIES and SPARES

Part number	Description
LSDC	Acrylic drying chamber 350mm x 435mm, lid and 2 x L-gaskets
LSAD6	Acrylic drying chamber 350mm x 435mm, lid and 2 x L-gaskets with 6-product tray drying rack assembly, SS
LSDCV	Acrylic drying chamber with 8-port valve lid assembly with neoprene valves
LSAD6H	Heated tray drying accessory comprising: acrylic drying chamber 350mm diameter x 435mm, lid and 2 x L-gaskets, with 6-product tray rack assembly, heater mats and temperature controller
LSPM24	24-Port pipe manifold with removable neoprene valves, for flask drying
LSB40	Single shelf chamber with controllable shelf temperature -40°C to +60°C, optional stoppering, pressure rise and data logging
LSCT	Purpose built SS trolley with castors and brakes, with bottom shelf to accommodate vacuum pump
RV5	Edwards RV5 vacuum pump 230V, 1ph, 50Hz with mainslead, EMF10 Mist Filter and Gas Ballast Oil Return Kit

SEE OUR FULL RANGE OF LYODRY / MODULYO FREEZE DRYER ACCESSORIES ONLINE OR CONTACT THE SALES TEAM FOR FURTHER DETAILS:



WolfLabs

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.