

LAB SERIES

TECHNICAL DATA SHEET

Laboratory freeze dryers in three sizes



MODELS
LAB100 / LAB120 / LAB180

LANGUAGE
EN

VERSION
09/2026

Three sizes. One laboratory platform.

The WAVE LAB Series comprises three laboratory freeze dryers with an 8-port manifold. LAB100 and LAB120 are PT models with a stoppering chamber; LAB180 is offered as the high-capacity P version with a standard chamber and six trays.

Model comparison

Model	Price	Water capture	Drying area	Total liquid load	Cold trap
LAB100	EUR 4,780	3-4 L/24 h	0.08 m ²	1.6 L	6 L
LAB120	EUR 5,900	3-4 L/24 h	0.08 m ²	1.6 L	9 L
LAB180	EUR 7,450	6 L/24 h	0.27 m ²	5.4 L	28 L

Indicative prices exclude shipping. Optional WAVE WDry10 Scroll Pump: EUR 2,450. The formal quotation and order confirmation are binding.

Technical specification

Configurations	LAB100 / LAB120: PT stoppering chamber; LAB180: P standard chamber; each with 8-port manifold
Cold trap temperature	Down to -80 °C, no load, order-specific
Ultimate vacuum	≤ 5 Pa
Typical drying time	24-36 h, product- and load-dependent
Power supply	220 V / 50 Hz, order-specific
Cooling	Air cooled
Control	Color touchscreen with temperature, vacuum and trend display
Data output	USB export for process data

Model-specific data

Model	Configuration	Trays	Suggested load	Connected load
LAB100	PT + 8-port manifold	3 x Ø 180 x 20 mm	0.8 L	1.3 kW
LAB120	PT + 8-port manifold	3 x Ø 180 x 20 mm	0.8 L	1.4 kW
LAB180	P + 8-port manifold	6 x Ø 240 x 20 mm	2.7 L	1.8 kW

Scope and options

LAB100 and LAB120 are offered as PT versions with stoppering rack, three trays, acrylic chamber and 8-port manifold. LAB180 is offered as a P version with standard chamber, six trays and 8-port manifold. The vacuum pump is not included in the base price. The oil-free WAVE WDry10 Scroll Pump is available as a EUR 2,450 option.

CONFIGURATION NOTE

Values refer to the -80 °C configurations offered by WAVE. Specifications may vary with mains version, pump and equipment package. Quotation, order confirmation and nameplate take precedence.

Contact

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