



**Vacuum Concentrator
(BL-LVC)**

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Vacuum Concentrator (BL-LVC)



The Biolinkk BL-LVC is a versatile vacuum concentrator designed for efficient sample concentration. Featuring a corrosion-resistant alloy aluminum centrifugal chamber, optional vacuum sample heating, and a TFT-LCD true-color display with touch screen operation, it offers precise control, low-noise performance, and over-temperature alarms to ensure sample safety. Its intelligent design supports high throughput while preventing cross-contamination and enabling safe solvent recovery.



Highlights

- ◆ Over temperature Alarm
- ◆ Optional vacuum sample heating capability
- ◆ Corrosion-resistant alloy aluminum centrifugal chamber
- ◆ TFT-LCD true-color display with touch screen and
- ◆ physical button operation.

The Biolinkk BL-LVC vacuum concentrator is a state-of-the-art solution for precise and efficient sample concentration in laboratory settings. Built with a corrosion-resistant alloy aluminum centrifugal chamber, it ensures durability and easy maintenance. The optional vacuum sample heating capability allows for uniform heating up to 60°C, which accelerates the concentration process without compromising sample integrity.

Designed with a TFT-LCD true-color display, the BL-LVC offers both touch screen and physical button operation, making it user-friendly and easy to navigate. The system is powered by a single-chip microcomputer and drive module, ensuring stable, low-noise operation. An over-temperature warning function is included to safeguard sensitive samples from overheating.

The BL-LVC is highly adaptable, featuring a split design for flexible assembly and compatibility with cold traps, allowing low-temperature concentration to preserve sample quality. With concentration times ranging from 1 minute to 99 hours and 59 minutes, this system is perfect for long-term and high-throughput applications. Additionally, its non-contact drive rotation system requires no maintenance, and the transparent cover plate allows easy monitoring throughout the process. The BL-LVC guarantees safe solvent recovery and eliminates the risk of cross-contamination, making it an ideal choice for laboratories focused on efficiency and sample integrity.



Features

Precision and Control:

- ◆ TFT-LCD True-Color Display: Easy-to-use touch screen and physical button operation for precise control.
- ◆ Intelligent Microprocessor: Allows for smooth and simple operation, enabling accurate control over the concentration process.

Efficient Heating and Monitoring:

- ◆ Optional Vacuum Sample Heating: Uniform heating up to 60°C for faster sample concentration.
- ◆ Over-Temperature Alarm: Ensures samples are not exposed to excessive heat, protecting their integrity.
- ◆ Transparent Cover Plate: Enables visual monitoring during the concentration process for added convenience.



Durable and Reliable Design:

- ◆ Corrosion-Resistant Alloy Aluminum Chamber: Provides long-lasting durability and easy maintenance.
- ◆ Non-Contact Drive Rotation System: Maintenance-free design for hassle-free operation and extended equipment life.
- ◆ Low-Noise Operation: Single-chip microcomputer and drive module ensure stable and quiet performance.

High Throughput and Flexibility:

- ◆ Concentration Time: Adjustable from 1 minute to 99 hours and 59 minutes, providing versatility for various applications.
- ◆ Cold Trap Compatibility: Supports low-temperature concentration to preserve sensitive samples.
- ◆ Split Design: Allows flexible assembly and matching with other equipment for customized setups.

Safety and Sample Integrity:

- ◆ Safe Solvent Recovery: Ensures efficient recovery of solvents while maintaining sample quality.
- ◆ No Cross-Contamination: Designed for high-throughput applications, preventing contamination between samples.



Specifications

Model	BL-LVC
Rotor capacity	1.5ml x62
Speed (r/min)	1350
Relative centrifugal force	220xg
Temp range	RT-60°C or no heating
Vacuum pump	Optional
Noise	<50dB
Vacuum interface	Ø10mm
Final vacuum	0.1mbar
Weight	18kg
Max power	1KW
Power supply	AC 220V/50Hz
Dimension (LxWxH)	500x490x280mm



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