


ALC-Scientific
LAB-GRADE ENGINEERING. OEM-SCALE RELIABILITY.
SCIENTIFIC INSTRUMENTS • OEM MANUFACTURING • LAB SOLUTIONS

PRODUCT BROCHURE

LABORATORY UTILITIES / VACUUM

LABORATORY VACUUM PUMP SERIES

**Reliable vacuum for laboratory
and process applications.**

The ALC Laboratory Vacuum Pump Series supports filtration, degassing, drying and general laboratory vacuum tasks with dependable performance and clean design.


ULTIMATE VACUUM

Up to 0.1 mbar

FLOW RATE

40–120 L/min

TYPE

Oil-sealed / Oil-free

MODEL
ALC-VP Series
CATALOGUE NUMBER

To be confirmed



OVERVIEW & FEATURES

PRODUCT OVERVIEW

Oil-free vacuum generation for filtration, aspiration and laboratory processes.

The ALC-Scientific diaphragm vacuum pump series provides a dependable, compact and oil-free solution for routine laboratory vacuum and positive-pressure workflows. Designed for reliability and clean operation, it supports a wide range of general laboratory applications with consistent performance.

**FLOW**

11 L/min reference

VACUUM ≥ 0.075 MPa**TYPE**

Oil-free diaphragm

Key Features

**Oil-free diaphragm operation**

Clean, contamination-free vacuum and pressure generation.

**Low maintenance**

Simple design for long service life and reduced downtime.

**Quiet performance**

Low noise operation for a better laboratory environment.

**Compact footprint**

Space-saving design for benchtop and OEM integration.

**Corrosion-resistant wetted path**

Selected materials for excellent chemical resistance.

**Routine lab compatibility**

Ideal for filtration, aspiration, degassing and general laboratory use.

Working Principle

Reciprocating diaphragm motion changes the chamber volume to create vacuum and positive pressure without the need for oil. Check valves direct the gas flow, providing a clean, reliable and maintenance-friendly solution for laboratory and process applications.

TYPICAL APPLICATIONS

Filtration, vacuum aspiration, degassing, rotary evaporator support, gas sampling, and general vacuum / pressure workflows in laboratories and research facilities.



REFERENCE TECHNICAL DATA

Model-specific values require approved OEM confirmation.

PARAMETER	REFERENCE SPECIFICATION
Reference platform	LMVP10
Pump type	Oil-free diaphragm
Flow rate	11 L/min
Vacuum degree	>= 0.075 MPa, reference
Operating temperature	10–40 °C
Power	55 W
Power supply	AC 220 V / 50 Hz
Dimensions	300 × 220 × 275 mm
Weight	Approx. 3.8 kg
Other series models	LMVP20 / 30 / 40 / 60 / 130 — confirm



STANDARD SUPPLY

- Vacuum pump (selected model)
- Power cord (AC 220 V)
- Inlet/outlet connectors
- User manual
- Basic accessory kit



OPTIONAL /
MODEL-DEPENDENT

- Exhaust filter / mist trap
- Vacuum regulator
- Vacuum gauge (analog/digital)
- Inlet trap (cold trap)
- Custom fittings and tubing
- Other configurations on request



TO BE CONFIRMED

- Model and final specifications
- Application compatibility
- Required accessories
- Power plug type / regional standard
- Regulatory and certification needs
- Lead time and commercial terms



APPLICATIONS & ENQUIRY

LABORATORY APPLICATIONS

A practical platform for professional laboratory workflows.

Applications

-  Vacuum filtration
-  Laboratory aspiration
-  Solid-phase extraction
-  Rotary evaporator support
-  Gas sampling
-  General vacuum / pressure workflows

Product Advantages

-  Oil-free operation
-  Compact and portable
-  Low routine maintenance
-  Clean gas path
-  Broad laboratory compatibility
-  Series approach for different capacities

INDUSTRIES SERVED

Research laboratories / Pharmaceutical / Environmental / Chemical / Academic laboratories



SCAN PRODUCT PAGE

alcsscientific.com/brochure/laboratory-vacuum-pump

Request a model-specific quotation.

Share your application, required range or capacity, preferred configuration, quantity, installation city and any documentation needs. Final performance and specifications are validated with the appropriate technical datasheet and commercial quotation.

ALC-SCIENTIFIC LABORATORY SYSTEMS
OEM / PRIVATE LABEL AVAILABLE

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