Diaphragm Vacuum Pump - Chemical Resistant Oil-Free Pump - 30-60 L/min - 50 mbar

Model **MSVACP-LH51PSWISS, MSVACP-LH52PSWISS, MSVACP-LH102PSWISS** | Brand **Master Science**





The Master Science PTFE Diaphragm Vacuum Pump is an oil-free pump built for corrosive gases and solvent vapours. The pump chamber is made of chemical-resistant materials and the diaphragm is PTFE-bonded, so it copes with aggressive media that would damage standard pumps.

KEY HIGHLIGHTS

- Handles aggressive vapours
- No oil to change
- Quiet
- Portable
- Simple maintenance

AT A GLANCE

30 / 30 / 60 L/min
PUMPING SPEED

Request a Quotation
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Overview

It works with rotary evaporators of any brand, as well as concentrators, vacuum ovens and filtration units. Three versions are available with one or two heads and 30 or 60 L/min pumping speed.

Specifications of the Master Science PTFE Diaphragm Vacuum Pump range (LH51P / LH52P / LH102P):

Overview

- PTFE-bonded diaphragm
- 1 or 2 heads
- 30 or 60 L/min

Overview

- Down to 50 mbar (two-head LH52P)
- Oil-free operation
- Pressure output on LH102P

Key Benefits

Handles aggressive vapours
the Master Science PTFE Diaphragm Vacuum Pump has a chemical-resistant chamber.

No oil to change
dry running, no oil mist.

Quiet
below 50 dB.

Portable
light enough to move between instruments.

Simple maintenance
easy access to diaphragm and valves.

Use it with the Master Science vacuum filtration manifold.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSVACP-LH51PSWISS, MSVACP-LH52PSWISS, MSVACP-LH102PSWISS
SKU	MSVACP-LH51PSWISS, MSVACP-LH52PSWISS, MSVACP-LH102PSWISS
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SKU	MSVACP-LH51PSWISS, MSVACP-LH52PSWISS, MSVACP-LH102PSWISS
Pumping Speed	30 / 30 / 60 L/min
Ultimate Vacuum	150 mbar (>0.085 MPa) / 50 mbar (>0.095 MPa) / 150 mbar (>0.085 MPa)
Pump Heads	1 / 2 / 2
Diaphragm	PTFE-bonded
Lubrication	Oil-free
Noise	< 50 dB
Pressure Output	LH102P: 40 psi
Motor Power	180 W

DIMENSIONS & WEIGHT

Dimensions (L × W × H)	250 × 135 × 210 / 315 × 135 × 210 / 315 × 135 × 210 mm
Weight	7.5 / 10 / 10 kg

COMMON LABORATORY PROBLEMS AND HOW THIS PUMP HELPS

Common Laboratory Problems and How This Pump Helps	How the Master Science PTFE Diaphragm Vacuum Pump solves typical vacuum issues:
Corroded pump heads from acid vapours	chemical-resistant materials.
Oil changes and contamination	oil-free design.
Noisy pumps in shared labs	under 50 dB.
One pump per instrument	portable unit moves where needed.

Applications

The Master Science PTFE Diaphragm Vacuum Pump is used with
Rotary evaporators Vacuum filtration manifolds Centrifugal concentrators Vacuum drying ovens Gas and vapour transfer in the lab

Design

- Chemical-resistant chamber
- 180 W motor
- Compact and portable