



Negative Pressure Vacuum Pump

User Guide

(Part #: VP10L, VP15L and VP15LV)

Index

I. Brief Introduction.....	3
II. Product Overview.....	3
III. Product Details.....	4
IV. Technical Data.....	5
V. Operation Guide.....	5
○ <i>Application.....</i>	<i>5</i>
○ <i>Applied Area.....</i>	<i>5</i>
○ <i>Using Steps.....</i>	<i>5</i>
○ <i>Instrument Use Environment.....</i>	<i>6</i>
○ <i>Safety Precautions.....</i>	<i>6</i>
○ <i>Package List.....</i>	<i>6</i>

I: Brief Introduction

Scigiene vacuum pump adopts international advanced design concept and manufacturing technology. Firm structure, high versatility and simple operation. A rare instrument for scientific research experiments. This vacuum pump is mainly used for vacuum filtration, solvent filtration, vacuum distillation, vacuum drying solid phase extraction, used for compression and conversion gas.

Features:

- Working without pump oil
- Small volume
- 10L /15L per in suction flow rate
- Universal voltage 110V~220V
- Overload Protection
- Over Temperature Protection
- Short Circuit Protection

II: Product Overview






III: Product Details



(Oil-free diaphragm vacuum pump)



IV: Technical Data

Model #	VP10L	VP15L	VP15LV
Picture			
Type	Negative Pressure		
Pumping Speed: (L/min)	10	15	Variable speed (0-15)
Ultimate Vacuum/Negative Pressure (Mpa)	0.075	0.08	
Noise Level (DB)	<40	<45	
Motor Power (W)	20	30	
Valve Diaphragm	Imported Rubber		
Overload Protection	Yes		
Over Temperature Protection	Yes		
Short Circuit Protection	Yes		
Dimensions	192 x 100 x 135 mm		
Weight	1.58 kgs		

V: Operation Guide

Application

It is mainly used for vacuum filtration, solvent filtration, vacuum distillation, vacuum drying solid phase extraction, and can also be used with a rotary evaporator to compress and convert gases.

Applied Area

It is widely used as an experimental tool in institutions of higher learning, environmental protection, sanitation, epidemic prevention, chemical industry, tap water and medical treatment.

Using Steps

Oil-free diaphragm vacuum pump (VP10L & VP15L)

- Plug in the device and turn on the power switch

Adjustable oil-free diaphragm vacuum pump (VP15LV)

- Plug in
- Turn the knob clockwise to turn on the switch
- Rotate the knob to adjust the pumping rate

Instrument Use Environment

- Indoor use only
- Altitude: $\leq 2000\text{m}$
- The working temperature range of the instrument is $+5^{\circ}\text{C}\sim+40^{\circ}\text{C}$
- The applicable temperature range of the instrument is $\leq 80\%$
- There should be no vibration and airflow that affect performance
- There should be no conductive dust, explosive gas or corrosive gas in the surrounding air
- Keep a safety distance of 10cm before and after the instrument is working

Safety Precautions

- Do not unplug and plug the power connector or toggle the power button when your hands are wet with liquid
- Do not unplug the power plug when the instrument is powered on
- Do not clean the instrument when it is powered on
- Do not install the instrument on an uneven, swaying and vibrating work surface

Package List



1295 Morningside Avenue, Unit 16-18
Scarborough, ON M1B 4Z4 Canada
Phone: 416-261-4865 Fax: 416-261-7879
www.scigiene.com

