

# VR-L SERIES

4 m<sup>3</sup>/h - 305 m<sup>3</sup>/h

Powerful, Versatile  
and Robust

**ELGi**<sup>®</sup>

Always Better.



Lubricated Rotary Vane Vacuum Pumps

# VR-L Series

Lubricated Rotary Vane  
Vacuum Pumps



## The Benchmark for **Powerful, Versatile, and Reliable Vacuum Solutions**

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The **ELGi VR-L Series** lubricated rotary vane vacuum pumps are indispensable across various industries due to their robust performance and versatility. These pumps leverage the proven oil-sealed rotary vane principle, ensuring consistent and dependable operation in a wide range of general vacuum applications.

**The ELGi VR-L Series offers exceptional power, and adaptability, making it the ideal choice for industries requiring high-performance vacuum solutions. With the ELGi VR-L Series, you benefit from time-tested technology combined with innovative engineering, guaranteeing superior performance and longevity.**

## APPLICATIONS

Discover the diverse sectors where ELGi VR-L Series Lubricated Rotary Vane Vacuum Pumps can be used.



CERAMICS



CONSTRUCTION



GLASS, STONE & WOOD



INDUSTRIAL CLEANING



SEMICONDUCTOR



PLASTICS



TEXTILE



SERVICE FACILITIES



NON-FOOD PACKAGING

## WORKING PRINCIPLE

### How ELGi VR-L Series Vacuum Pumps Deliver Powerful, Efficient Performance

The ELGi VR-L series uses a positive displacement mechanism with a rotary vane design to create high-performance vacuum conditions.

As the rotor turns, sliding vanes create expanding and contracting chambers, generating powerful vacuum with optimal energy efficiency.

High-quality materials, minimize friction and wear, ensuring long-lasting performance and reduced maintenance needs.

The premium construction of the VR-L series contributes to its exceptional reliability and durability. An integrated cooling system effectively manages oil temperature

which enhances overall performance and operational safety\*. By combining advanced technology with robust design, the ELGi VR-L series offers powerful vacuum capabilities, energy efficiency, and extended service intervals, making it an excellent choice for diverse industrial applications.

\*Feature available in VR 205 L & VR 305 L

## FEATURES AND BENEFITS



### ROBUST DESIGN

**Proprietary Vane Material:** Delivers exceptional longevity, reducing replacement frequency and operational costs.

**Industry-Leading Warranty:** Offers customers unparalleled peace of mind and protection for their investment.

**50 Years of Vacuum Technology Expertise:** Ensures reliable, field-tested performance across diverse applications.



### CLEAN AND EFFICIENT

**Advanced Oil Backflow Prevention Design:** Maintains a clean working environment, protecting sensitive processes and products.

**Innovative Gas-Ballast System:** Efficient handling of water vapor, expanding the pump's versatility across various applications.

**Low Noise Operation:** Creates a more comfortable work environment, potentially reducing the need for additional noise protection measures.



### SAFE OPERATION

**Direct Drive\* Technology:** Smooth operation and minimized energy losses, leading to improved efficiency and lower operating costs.

**Extended Service Intervals:** Reduces downtime and maintenance costs, increasing overall productivity and ROI.

**Robust Construction:** Ensures safe, consistent performance even in demanding industrial environments.

## PRODUCT RANGE

**VR 4L**



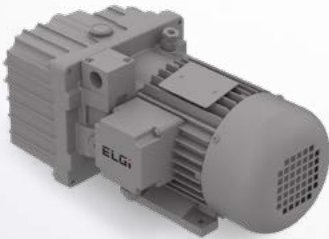
**VR 8L**



**VR 10L**



**VR 12L**



**VR 16L**



**VR 25L**



**VR 40L**



**VR 60L**



**VR 106L**



**VR 151L**



**VR 205L**



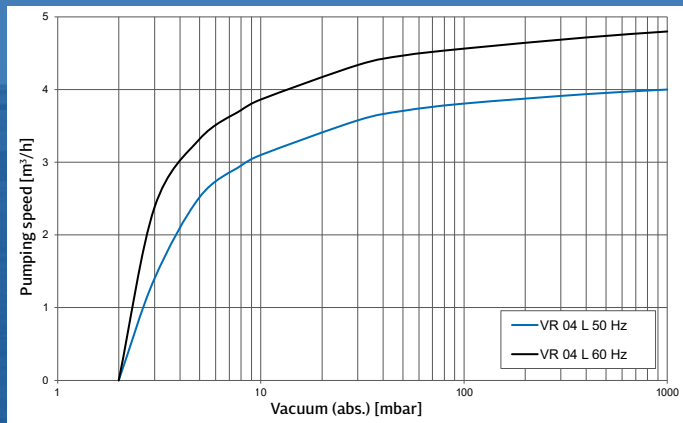
**VR 305L**



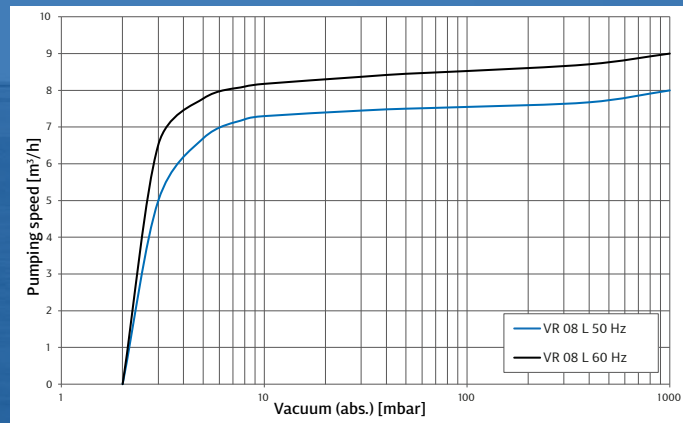
## TECHNICAL SPECIFICATIONS - 50 HZ

Model	Nominal Flow (m <sup>3</sup> /h)	Vacuum Level (mbar)	Motor Power (kW)	Motor speed (rpm)	Weight (kg)	Dimensions L x B x H
VR 4 L	4	2	0.12	2800	5.4	246 x 139 x 138
VR 8 L	8	2	0.25	2800	10	295 x 164 x 133
VR 10 L	10	2	0.37	2800	14.5	270 x 269 x 175
VR 12 L	12	2	0.45	2800	14	299 x 269 x 175
VR 16 L	16	2	0.55	2800	16	337 x 182 x 162
VR 25 L	25	0.5	0.75	1400	26	387 x 275 x 212
VR 40 L	40	0.1	1.1	1400	46.5	490 x 310 x 298
VR 60 L	60	0.1	1.5	1400	46	490 x 310 x 298
VR 106 L	106	0.1	2.2	1400	70.5	706 x 392 x 293
VR 151 L	151	0.1	3.3	1400	80	746 x 391 x 306
VR 205 L	205	0.1	5.5	1400	170	908 x 543 x 443.5
VR 305 L	305	0.1	7.5	1400	180	968 x 543 x 443.5

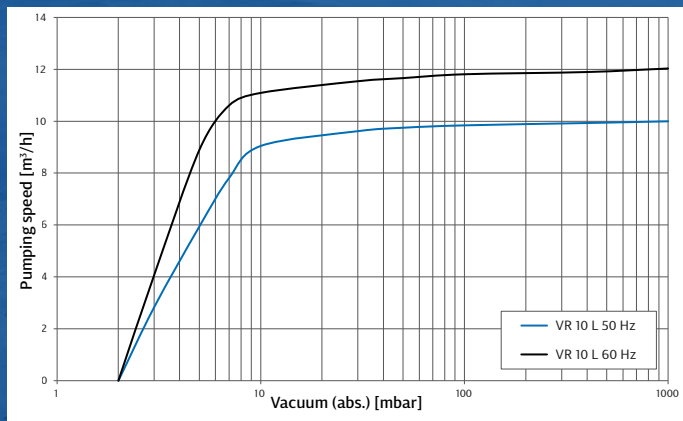
## PERFORMANCE CURVES



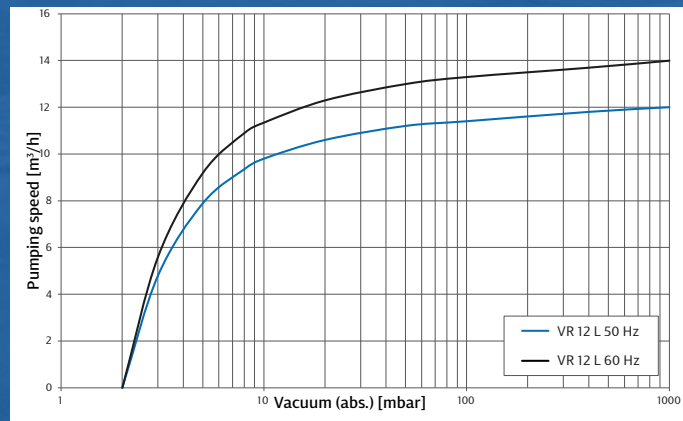
VR 4L



VR 8L

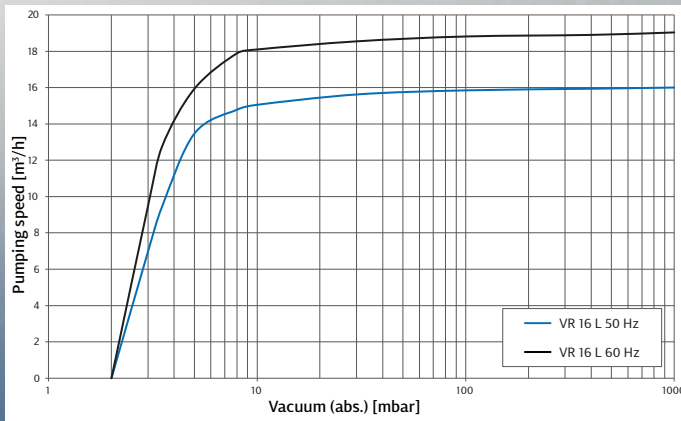


VR 10L

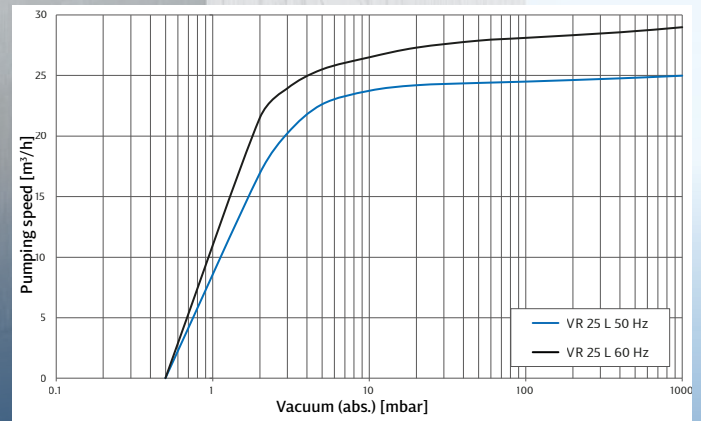


VR 12L

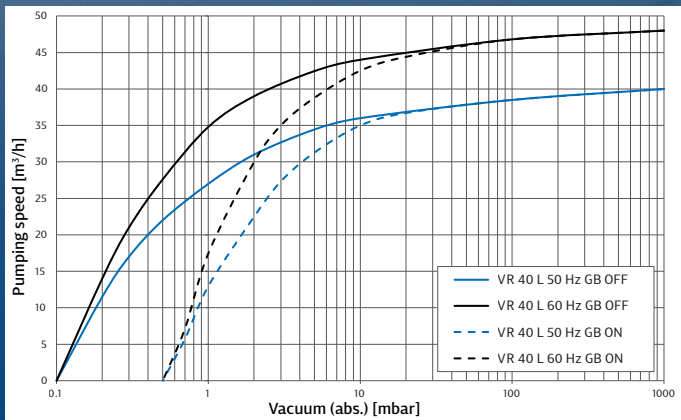
# PERFORMANCE CURVES



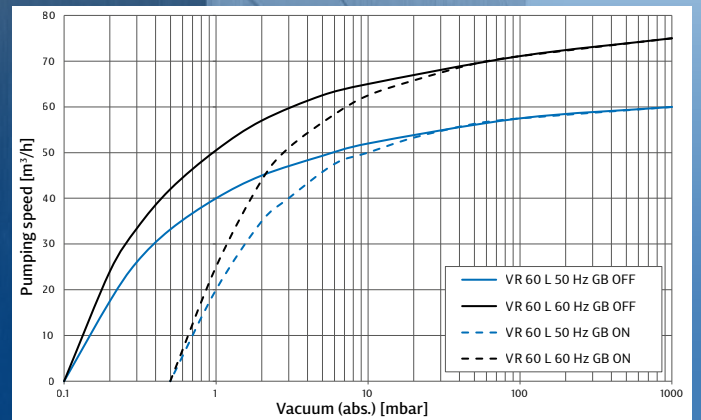
VR 16L



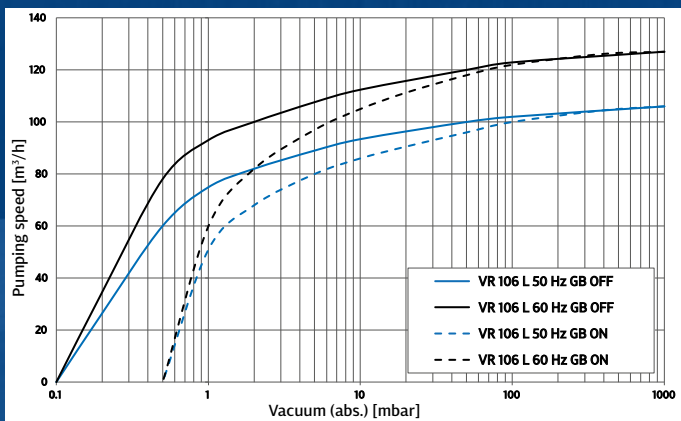
VR 25L



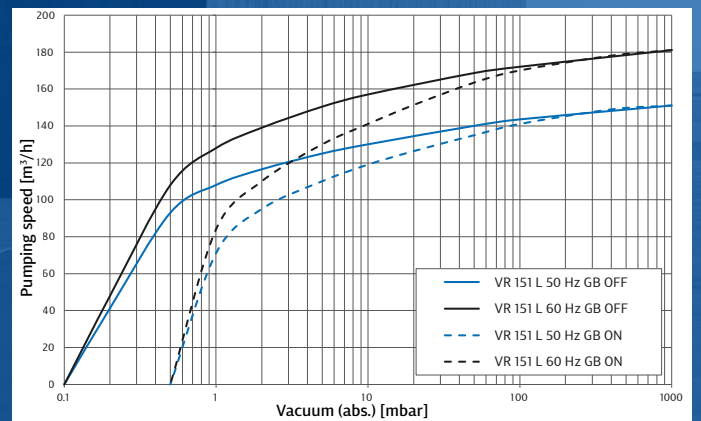
VR 40L



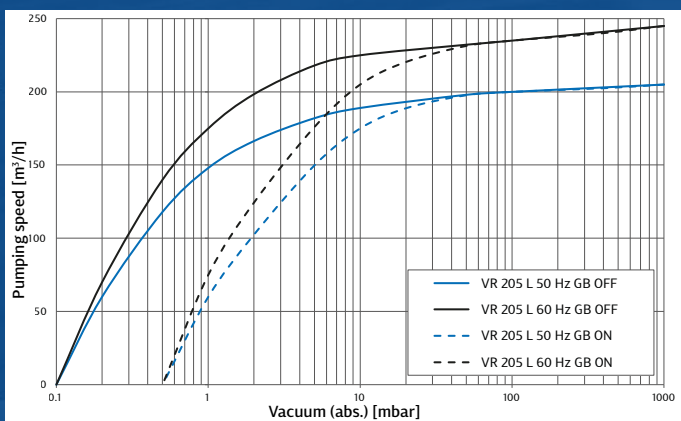
VR 60L



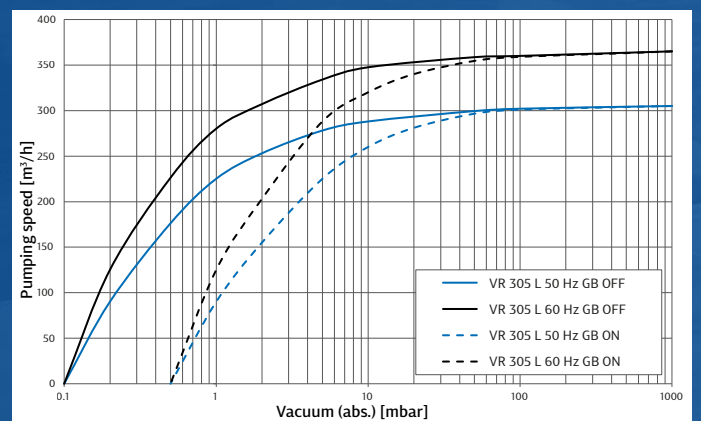
VR 106L



VR 151L



VR 205L



VR 305L

## VR-L SERIES ACCESSORIES

**Inlet Filter | Shock Mounts | Buffer tank | Oil level switch | Clogged Filter gauge | Vacuum gauge | Non return valve**



## AFTER SALES SERVICES

The after-sales services from ELGi is designed to maximize value for customers. ELGi's efficient service processes ensure reliability of vacuum pumps while minimizing operating costs.

### Comprehensive Maintenance Solutions

ELGi takes charge of the maintenance planning and regular servicing of your vacuum pump. By utilizing the latest technology, ELGi ensures high energy efficiency and optimizes service schedules to minimize your total cost of ownership while maximizing productivity.

### Expert Vacuum Specialists

ELGi's vacuum specialists are dedicated to enhancing your system's uptime and safeguarding your processes. Regular maintenance by ELGi's specialists reduces the

risk of wear and tear. Damaged or worn components are replaced with genuine ELGi spare parts, protecting your investment and extending the lifespan of your vacuum pumps.

### Genuine Parts and Professional Service

ELGi uses authentic ELGi spare parts and oil, and ELGi's services are performed by vacuum specialists following the manufacturer's guidelines. This approach enhances the performance of your vacuum pump, minimizes the risk of downtime, and ensures smooth, uninterrupted production.

# ELGi

Always Better.

Elgi Equipments Limited is a global air compressor manufacturer with a broad line of innovative and technologically superior compressed air systems.

ELGi has consistently worked towards ensuring that its customers achieve their productivity goals while keeping the cost of ownership low. ELGi offers a complete range of compressed air solutions from oil lubricated and oil free rotary screw

compressors, oil lubricated and oil free reciprocating compressors and centrifugal compressors, to vacuum pumps, dryers, filters, and downstream accessories.

With its world-class technology, superior service, and best-in-class warranty, the company's portfolio of over 400 products has found wide application across various industries.



60+

Years of Customer-Centric Innovation

2 Mn+

Installations Worldwide

120+

Countries and Counting



## DEMING PRIZE 2019

ELGi is the first globally established industrial air compressor manufacturer to be awarded the Deming Prize for Excellence in Total Quality Management.





**ELGI**<sup>®</sup>  
Always Better.

