

Atlas Copco

Oil-sealed rotary vane vacuum pumps
GV 20-300, 12-215 cfm



Sustainable Productivity





Atlas Copco – Your vacuum specialist

At Atlas Copco we have been developing state-of-the-art vacuum pumps for many years, utilizing our core technologies. We constantly aim to innovate, improve performance and target new application areas. The characteristics of our oil-sealed rotary vane vacuum pumps complement those that have made Atlas Copco the stand-out worldwide supplier of air solutions: high quality, impressive reliability and low lifecycle cost.

Robust technology

The GV 20-300 series operates according to the proven oil-sealed rotary vane principle that has been successfully used for many years in all general vacuum applications of industry. The GV 20-300 series is a robust and highly regarded product coming from a technologically advanced market leading design.



Innovative features

Atlas Copco has packed the GV 20-300 range with innovative features that ensure the highest possible performance at the lowest possible lifecycle cost. The built-in gas ballast is fitted as standard to assist in water handling capability. Other integrated functions include the lubricant retention and return mechanism which means that these machines are suitable for continuous operation between 18 inches of vacuum and their ultimate pressure.



Clean and efficient

The oil separation circuit of the GV 20-300 has been optimized to minimize oil vapors in the exhaust gas. The inlet non-return valve protects the vacuum pump against counter rotation in the event of stopping without venting. This device also protects the point of use against back sucking of oil.





IDEAL FOR ALL YOUR VACUUM NEEDS

Providing highly efficient vacuum pumping performance, the GV 20-300 series is ideal for critical applications in packaging, woodworking, rubber, plastics, electronics, paper & printing, material handling and other exacting industries. Moreover, with eight models offering pumping speeds of between 12 and 215 cfm, you will definitely find the right model for your specific application. Larger capacity needs can be accommodated with the Atlas Copco GVS 630-4800.



BENEFITS YOU CAN COUNT ON

- Easy to install due to compact, space-saving design*.
- High reliability through a rugged design and optimal oil retention at all operating pressures.
- Low maintenance and wear due to optimally selected shaft speeds.
- Low noise and vibration levels throughout the pressure range.

** Dimensional information is available on the product specific datasheet.*

READY TO USE

GV 20-300 rotary vane vacuum pumps come complete with all the options and accessories you are likely to need for general rough vacuum applications. In case you have a unique vacuum need, please ask the Atlas Copco representative to help you select the best solution.

A multitude of applications

GV 20-300 oil-sealed rotary vane vacuum pumps are perfect for a range of demanding applications:

- Packaging:
 - Food processing: general packaging, cheese processing, vacuum cooling of produce.
 - Meat packing: fresh and cooked meats, poultry, modified atmosphere packaging, tumbling, filling and sealing.
- Woodworking: CNC cutting and routing, loading and unloading systems.

- Rubber and plastics: thermoforming applications, extruder barrel degassing, mold degassing, material handling.
- R&D systems: central laboratory vacuum.
- Electronics: pick and place components, PCB manufacture, central vacuum systems.
- Material handling: vacuum lifting, pick and place, bulk material transfer, pneumatic conveying, bottling, canning, vacuum sewage.

- Paper and printing: presses (sheet fed, offset, etc.), bindery equipment including stitching lines and perfect binding, newspaper production, envelope machines.
- Medical vacuum: various evacuation duties.
- Environmental: ground remediation etc.

In case your application is not listed or you are considering whether your application will produce the benefits often associated with centralizing your vacuum supply, please contact your local Atlas Copco representative to discuss the suitability of the GV range of vacuum pumps for your specific application.



Scope of supply

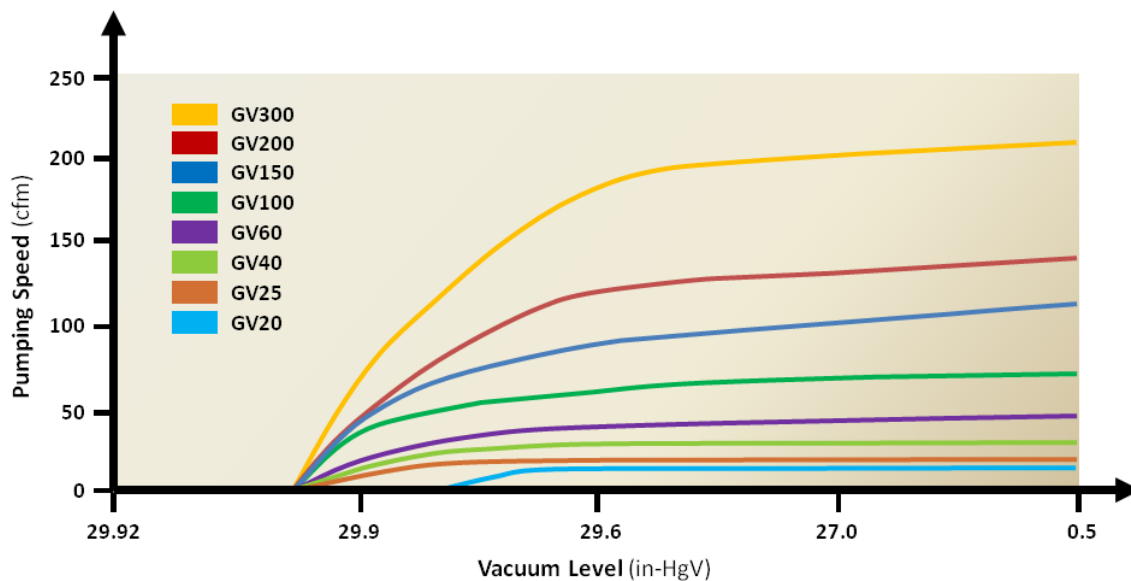
Your vacuum pump comes complete with all you require for a vast number of applications.

Oil separator	Inlet non-return valve
Gas ballast	Fill of oil shipped separately
Motor	Inlet filter (GV 25-300)

TECHNICAL SPECIFICATIONS

	Package power		Pumping speed		Ultimate pressure		Motor voltage	Dimensions (inches)			Weight lbs
	kW	HP	cfm	m ³ /h	in-HgV	Torr		L	W	H	
GV 20	0.9	1.2	12.3	21	29.9	1.50	230V 50/60Hz 1Ph	16.7	9.1	9.0	43.2
GV 25	0.9	1.2	17.0	29	29.9	0.38	230V 50/60Hz 1Ph	16.1	10.8	9.2	58.6
							230V/460V 60Hz 3Ph				56.4
GV 40	1.4	1.8	28.3	48	29.9	0.38	230V/460V 60Hz 3Ph	24.9	12.6	17.1	99.6
GV 60	1.8	2.4	44.1	75	29.9	0.38	230V/460V 60Hz 3Ph	27.1	12.6	18.1	102.5
GV 100	2.7	3.6	73.6	125	29.9	0.38	230V/460V 60Hz 3Ph	34.4	15.0	19.3	158.7
GV 150	3.7	5.0	106.0	180	29.9	0.38	230V/460V 60Hz 3Ph	35.0	15.0	19.3	185.2
GV 200	6.6	8.9	144.2	245	29.9	0.38	230V/460V 60Hz 3Ph	44.3	21.1	25.3	347.4
GV 300	8.6	11.5	214.8	365	29.9	0.38	230V/460V 60Hz 3Ph	46.6	21.1	25.3	369.3

PERFORMANCE CURVES



Pump performance measured at the inlet pressure and 68°F (20°C). Accuracy is +/- 10%.



Driven by innovation

With almost 140 years of innovation and experience, Atlas Copco delivers the products and services to help maximize your company's efficiency and productivity. As a global industry leader, we are dedicated to offering high air quality at the lowest possible cost of ownership. Through continuous advancements, we strive to safeguard your bottom line and bring you peace of mind.



Local interaction

Atlas Copco Compressors LLC is part of the CompressorTechnique Business Area, and its headquarters are located in Rock Hill, SC. The company manufactures, markets, and services oil-free and oil-injected stationary air compressors, air treatment equipment, and air management systems, including local manufacturing of select products. In each of the past five years, Atlas Copco Compressors has continually increased investments in new U.S. facilities with major manufacturing, production, and distribution facilities located in Texas, North Carolina and South Carolina. Across all of our different business types and brands, Atlas Copco employs approximately 4,000 people in the U.S.



Committed to sustainability

In 2012, Atlas Copco AB was named one of the Top 100 Sustainable Companies in the World for the sixth year, and since 2011 has been recognized by Forbes, Thomson-Reuters and Newsweek, among others, for our commitment to innovation and sustainability. All Atlas Copco Compressors facilities in the United States are triple certified to ISO 14001, ISO 9001 and OHSAS 18001; a set of standards to protect the environment, ensure product quality, and promote our employees' health and occupational safety.

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