OIL-SEALED ROTARY VANE VACUUM PUMPS
GVS 20-300, 20-365 m³/h, 12-215 cfm
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 GVS 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 GVS 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 GVS 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 400 mbar(a) and their ultimate pressure.

Clean and efficient
The oil separation circuit of the GVS 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.
A MULTITUDE OF APPLICATIONS

GVS 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.

A humid version is available which is suitable for high water content duties, for applications such as plastics, clay molding, drying pipelines, salad cooling, freeze drying, 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 GVS 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
- Gas ballast
- Motor
- Inlet non-return valve
- Fill of oil shipped separately

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### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PUMP TYPE</th>
<th>Pumping speed</th>
<th>Ultimate pressure (1)</th>
<th>Motor size</th>
<th>Motor handling capability</th>
<th>Motor supply specification</th>
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<tbody>
<tr>
<td></td>
<td>m³/h</td>
<td>m³/h</td>
<td>mbar (hPa)</td>
<td>torr</td>
<td>kW</td>
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### Performance curves

*With gas ballast open.*

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

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**Notes:**

1. For standard version, with gas ballast valve open. All units achieve better than 0.5 mbar (except GVS 20).
2. High water handling capability.
3. Humid version available: higher ultimate pressure of 4 mbar applies.

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COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.

www.atlascopco.com/vacuum