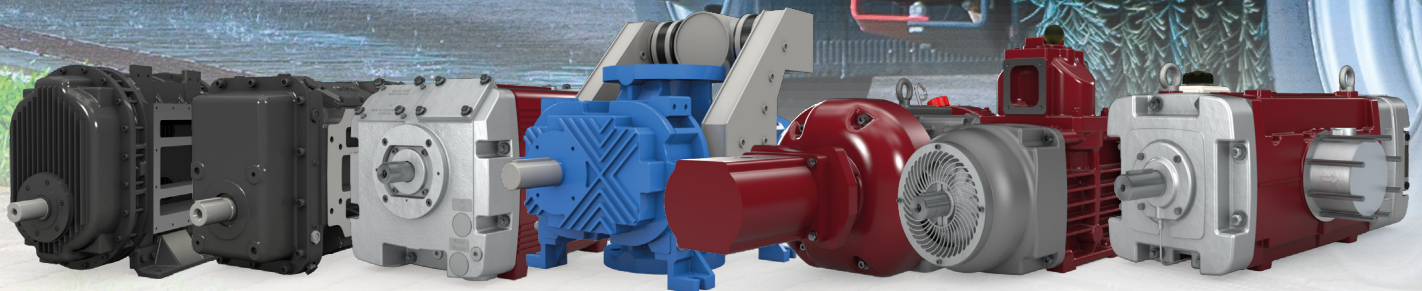




TOTAL VACUUM TRUCK SOLUTIONS

RELIABLE, EFFICIENT, AND VERSATILE VACUUM TRUCK TECHNOLOGIES



 **Transport Solutions**

www.irco.com/transport

Reliable, Efficient, and Versatile

Ingersoll Rand offers a comprehensive range of vacuum truck solutions, covering all required technologies for optimal performance. Our products include vane pumps, blowers, and liquid ring pumps—each designed for specific needs and applications. Whether you require high vacuum performance, oil-free operation, or low noise, we have the right solution to meet your demands.

Key Technologies:

- **Vane Pumps:** Wittig RFW, SLS54, RFL102
- **Blowers:** Robuschi RB-DV, Hibon VTB, Hibon SIAV



Robuschi RB-DV Blower

The **Robuschi RB-DV** blower is the heart of the vacuum truck package. It utilizes a three-lobe rotary blower design, which allows it to achieve high vacuum levels and efficiently handle gases and vapors. Equipped with a patented air injection device at the casing side, the RB-DV blower reduces overheating and energy absorption during operation, ensuring reliable and consistent performance.

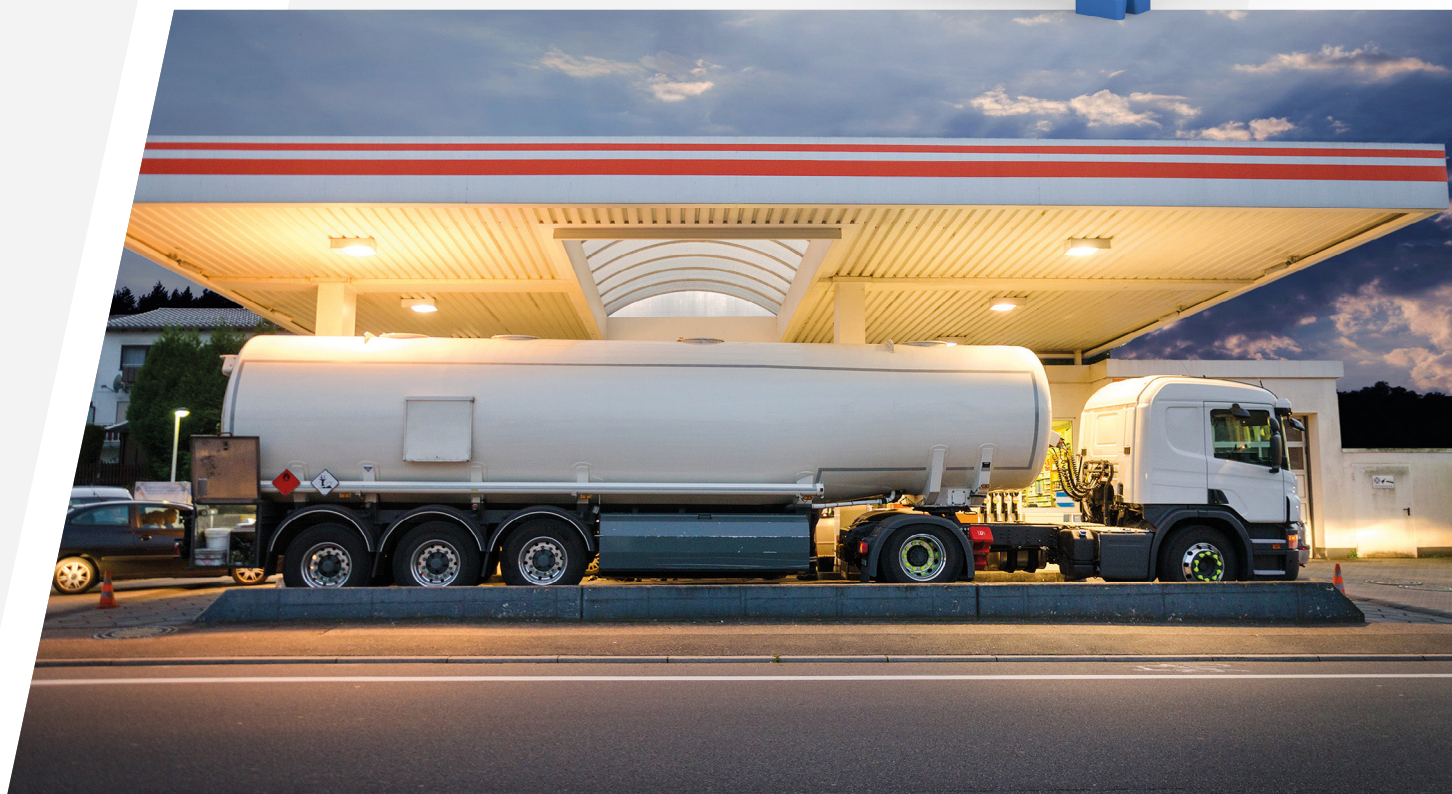
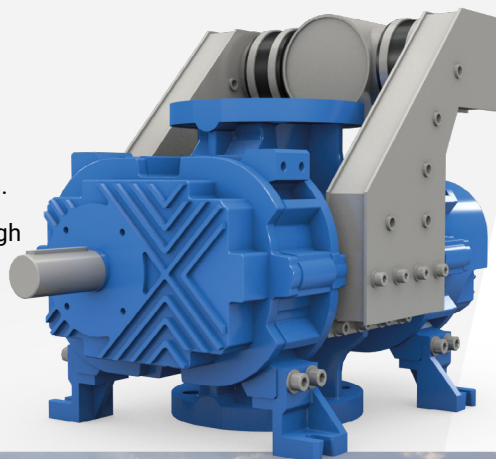
Key Features:

- **Max Vacuum:** up to 93%
- **Max Flow Range:** 835–10,500 m³/h
- **Oil-Free Operation:** No-oil mist ensures cleaner air and fewer maintenance requirements.
- **No Sliding Parts:** The design eliminates wear, resulting in extended operational life and reduced maintenance needs.
- **Enhanced Cooling:** The air-injection system ensures that the blower operates cooler, reducing wear and extending

service life.

Benefits: The Robuschi RB-DV blower delivers a:

- High level of reliability, with robust, wear-free design and oil-free operation.
- Perfect choice for a range of industrial and municipal applications with high vacuum levels requirements.
- Efficient power consumption, which reduces long-term operating costs.



Hibon VTB and SIAV Blowers

Hibon VTB Blowers

The **Hibon VTB** series has air-injection technology at the outlet which helps maintain the blower's efficiency and compactness. It also works effectively even when the valve on the suction side is closed. A special version of VTB is the "VS" option which uses a unique

patented Venturi system at the air injection system that provides noise reduction.

Key Features:

- **Max Vacuum:** up to 93%
- **Max Flow Range:** 1028–11,160 m³/h
- **Compact Design:** One of the most optimized blower design to reduce space.
- **Oil-Free Operation:** Prevents contamination and minimizes maintenance.
- **Enhanced Cooling:** The direct air-injection system ensures that the blower operates cooler, reducing wear and extending service life.

Benefits: The Hibon VTB blower offers a high level of efficiency while maintaining such features as:

- Reduced energy consumption and simpler maintenance.
- High vacuum thanks to the operation with a closed ("blanked") suction.
- Environmentally friendly without any oil contamination or water use.
- With the VS series quieter operation, while maintaining a high level of efficiency.



Hibon SIAV Blowers

The **Hibon SIAV** series consists in blowers for high flow performance.

Key Features:

- **Max Vacuum:** 90%
- **Max Flow Range:** 9000–11,160 m³/h
- **Oil-Free and Water-Free:** Eliminates the need for water cooling, reducing complexity and maintenance.
- **Enhanced Cooling:** The air-injection system ensures that the blower operates cooler,

reducing wear and extending service life.

Benefits:

- Reduced energy consumption and



Wittig RFW Vane Pumps

The **Wittig RFW** series of liquid-cooled vane pumps are known for their ability to handle straight vacuum and pressure/vacuum operation. These pumps are designed for high performance, with the ability to generate high vacuum levels and handle large flows of material. The RFW pumps feature advanced silencing technology to reduce noise, making them an ideal choice for environments where noise control is essential.

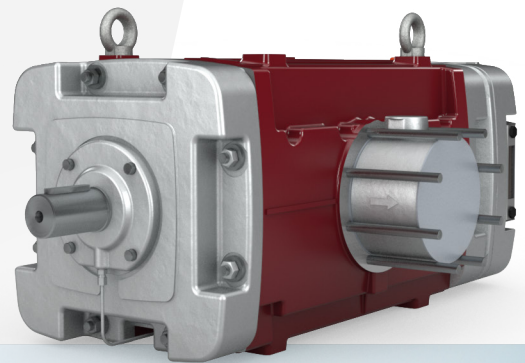
Key Features:

- **Max Vacuum:** 95% with air injection, 80% continuous
- **Flow Range:** 860–1,600 m³/h
- **Liquid-Cooled:** Prevents overheating and ensures longer operational life.
- **Low Noise:** optional high-performance silencing system with air injection and silencers to guarantee exceptional low noise performance.
- **Compact Design:** The small size of the RFW pumps allows them to be used in tight spaces and reduces

installation complexity.

Benefits:

- High reliability due to liquid-cooled design preventing overheating.
- Efficient air-injection system which increases vacuum levels without compromising energy efficiency.



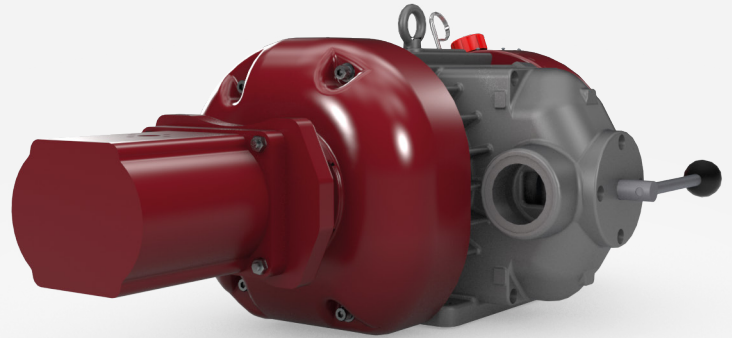
Wittig SLS54 Vane Pumps

The **Wittig SLS54** is a smaller, air-cooled vane pump designed for low air flow vacuum applications, making it a reliable solution for small vacuum trucks.

Key Features:

- **Max Vacuum:** 80% continuous
- **Flow Rate:** 325 m³/h
- **Low Noise:** vane pump quiet operation.
- **Compact and Lightweight:** The SLS54 is designed for easy installation and maintenance.

Benefits:



Wittig RFL 102 Vane Pump

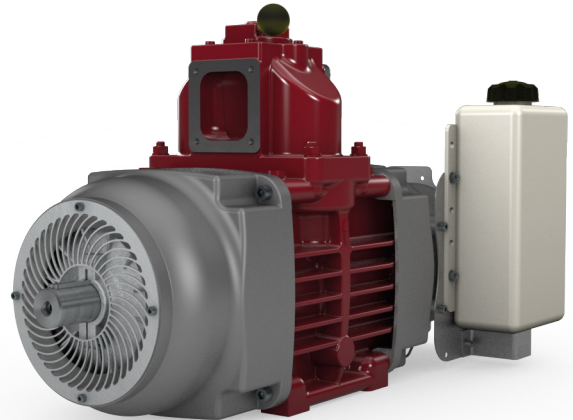
The **Wittig RFL 102** is a lightweight, air-cooled vane pump designed for waste liquid collection and discharge in straight vacuum and combined pressure/vacuum operation. Its compact size and high performance make it perfect for applications where space is limited but efficiency is essential.

Key Features:

- **Max Flow Rate:** 700 m³/h
- **Operating Vacuum:** 80% continuous (200 mbar vacuum)
- **Low Noise:** vane pump quiet operation.

Benefits:

- High performance in a compact, space-saving design.



Wittig Aqualine

The **Wittig Aqualine** series are water-cooled liquid ring vacuum pumps designed for applications requiring high suction power and reliable performance in wet conditions. These pumps are ideal for handling wet materials and hazardous environments, as they feature no wearing parts and utilize water as the medium. The Aqualine pumps are also safe for ATEX environments, where explosive gases may be present.

Key Features:

- **Max Vacuum:** 80% continuous
- **Max Flow Range:** 1,680–2,165 m³/h
- **Oil-Free Operation:** Utilizes water as the medium, making it safe for use in ATEX environments.
- **Low Noise:** The liquid ring design ensures quieter operation compared to other vacuum pumps.

Benefits:

- Outstanding reliability, especially in wet or hazardous applications.
- Smooth, oil-free operation, which reduces maintenance and



Tailored Solutions for Every Need

Ingersoll Rand products are designed to meet the specific demands of our customers. We provide a variety of options—whether oil-free, compact, or suitable for dangerous ATEX environments. Whatever the requirement, our products offer the performance, reliability, and cost-efficiency needed for efficient waste collection and transfer.

Applications Across Industries

Our vacuum truck solutions are ideal for a range of industries:

- **Industrial:** Oil & Gas, Chemicals, Foundries, Steelworks, Cement factories, Landfills, etc.
- **Municipal:** Sewer cleaning, General waste management.
- **Construction:** Excavation, Roofing aggregate removal, Building restoration.

Optional Accessories

To enhance your vacuum truck's performance, we offer a variety of compatible accessories:

- **Wittig Products:** Ancillaries for enhanced operation.
- **Hibon Products:** Available with complete truck-mounted packages.
- **Robuschi RB-DV:** Available with manifolds, silencers, check valves, and filters.





Why Choose Ingersoll Rand?

- **Unmatched Product Range:** We offer a full spectrum of vacuum truck solutions, from vane pumps to blowers and liquid ring pumps.
- **Tailored Performance:** Products designed to suit specific needs for vacuum efficiency, compactness, noise levels, and more.
- **Industry Expertise:** Proven reliability across diverse industries, ensuring consistent performance and long-lasting operation.
- **Service:** add also a sentence mentioning our strong service channel availability in many locations and sales network to support our customers.

For more information and to find the right solution for your vacuum truck needs, contact Ingersoll Rand today.



Aftermarket Services - SERVICE PROTECT

Comprehensive Maintenance and Support for Long-Term Reliability

Our Aftermarket Services are designed to extend the lifespan of your equipment, minimize unexpected downtime, and save you money by reducing the need for costly emergency repairs. With regular, scheduled maintenance, you can better anticipate expenses, avoid unforeseen costs, and ensure your systems run efficiently year after year.

Protect Service Plan Contract: The Protect Service plan is our flagship maintenance offering, crafted to extend the lifespan of your Gardner Denver systems and minimize unexpected downtime. The plan includes:

- Regular professional maintenance performed at set intervals by our highly qualified engineers.
- Coverage for the complete system throughout the term of the contract.
- Plan duration of up to 5 years to match your operational needs.

Customer Advantages:

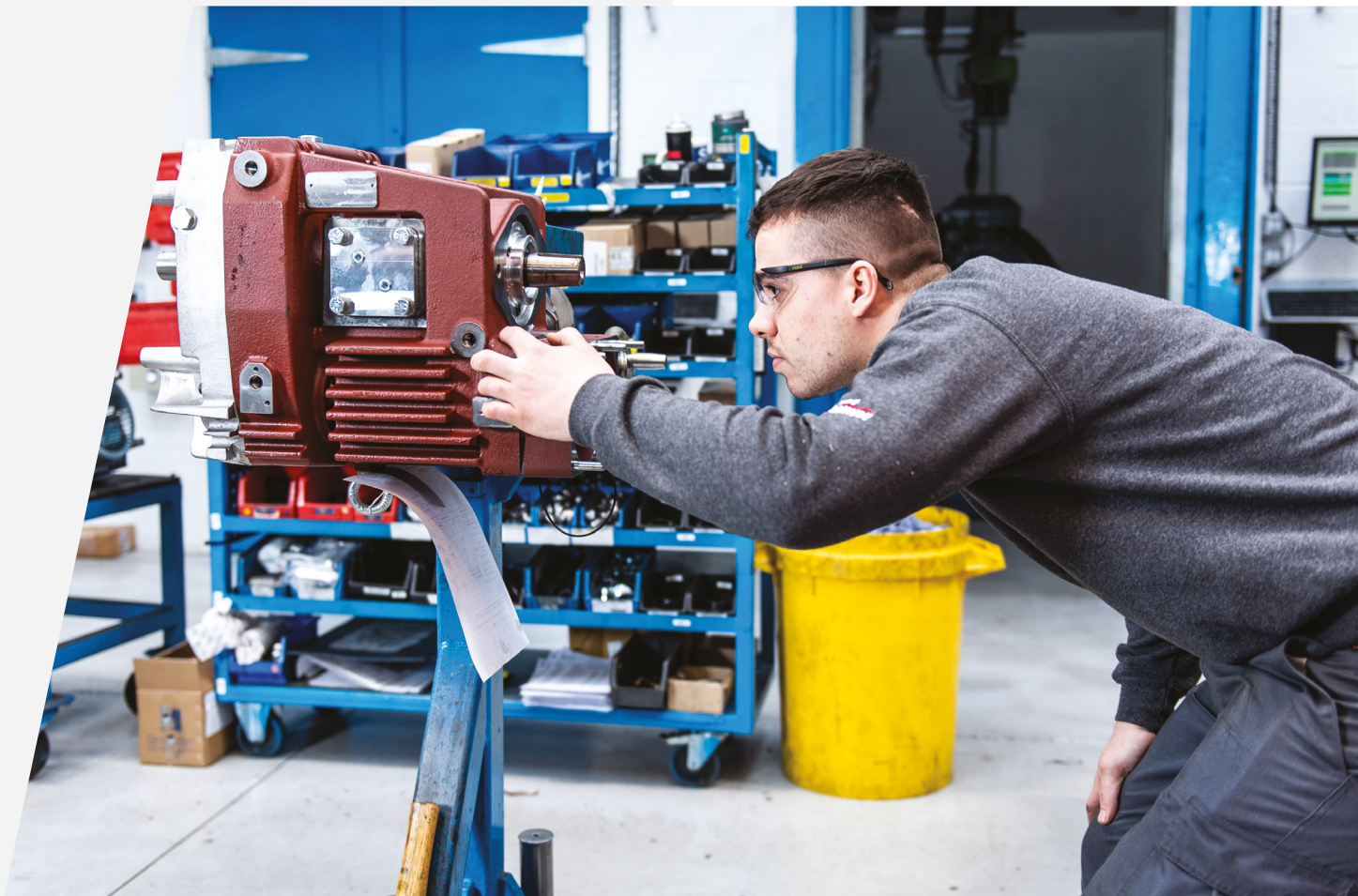
Annual Expert Maintenance: Consistent, high-quality service delivered by Gardner Denver's expert engineers.

Included Components: All necessary maintenance parts and components are covered under the plan.

Safety Checks: Each visit includes a comprehensive safety check to ensure optimal system performance and compliance.

Fixed Costs: Predictable costs help you budget efficiently, avoiding surprise expenses.

Technical Expertise: Access expert technical advice to optimise system performance and reliability.





About Us

Gardner Denver Transport Solutions develops market-leading pumping, vacuum, and pressure technologies designed to deliver operational excellence, reliability, and environmental responsibility for the transport sector.

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