

MEDICAL VACUUM SOLUTIONS

FOR HOSPITALS
AND LABORATORY
APPLICATIONS



Elmo Rietschle®



V A K U U M E X P E R T E N



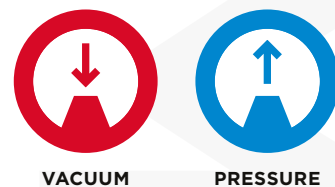
VACUUM



PRESSURE

THE MEDICAL ENVIRONMENT

In healthcare settings, precision vacuum solutions are indispensable. From operating theatres to dental offices and pharmaceutical labs, reliable vacuum systems are essential for a wide range of treatment, diagnostic, and sterilization processes. Elmo Rietschle is dedicated to providing tailored vacuum and low-pressure solutions that align with the rigorous demands of the medical industry while prioritizing patient care and safety.



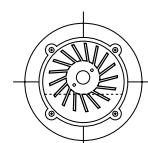
THE IDEAL FORMULA FOR YOUR MEDICAL VACUUM NEEDS

Partnering for success

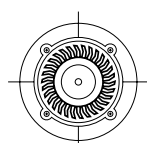
We are dedicated to closely engaging with those we serve to craft, evolve, and provide the ideal vacuum solutions that meet their precise requirements. Our commitment is to ensure satisfaction and deliver excellence.



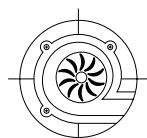
Sterilization & Washing



L-SERIES
Liquid Ring

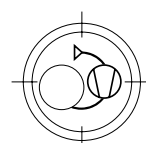


G-SERIES
Side Channel

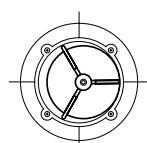


F-SERIES
Radial

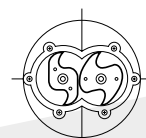
Pharma & Packaging



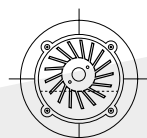
X-SERIES
Systems



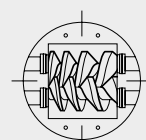
V-SERIES
Rotary Vane



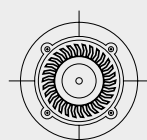
C-SERIES
Claw



L-SERIES
Liquid Ring

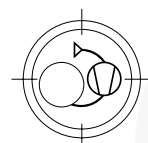


S-SERIES
Screw

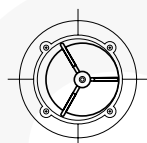


G-SERIES
Side Channel

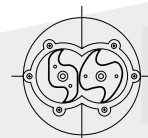
Treatment & Diagnostics



X-SERIES
Systems



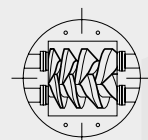
V-SERIES
Rotary Vane



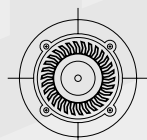
C-SERIES
Claw



L-SERIES
Liquid Ring



S-SERIES
Screw



G-SERIES
Side Channel



Tailor-made & standardized solutions

Offering a comprehensive spectrum of medical vacuum solutions, from standard models to bespoke systems, meticulously crafted to meet the specific needs of each healthcare setting.



Advanced engineering support

We provide unparalleled engineering expertise and continual support, guiding you through every step of the development process to ensure the success of your project.



Rigorous quality standards

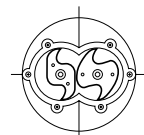
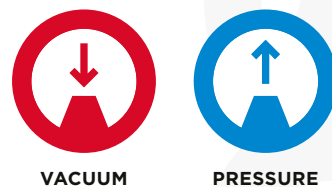
Our products are designed in strict adherence to ISO and Medical CE standards, ensuring our commitment to the highest levels of safety and quality in every solution.



Global support network

Benefit from our comprehensive after-sales care and technical support, accessible worldwide, providing peace of mind and continuous operational integrity.

OUR MEDICAL SOLUTIONS

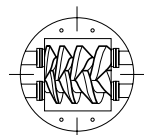


Claw

Elmo Rietschle's C-Series delivers contact-free vacuum with exceptional efficiency and economy for the healthcare sector. This translates to significant energy savings, minimal maintenance, and a lower total cost of ownership, outperforming traditional vacuum technologies. Ideal for a vast array of medical applications, from surgical suites to laboratory settings, the C-Series ensures a reliable vacuum source essential for safety and precise medical procedures.

Advantages at a glance

- + High efficiency
- + Contact-less oil-free operation
- + Low total cost of ownership

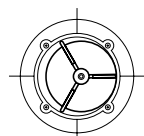


Screw

The S-Series embodies advanced dry running vacuum technology, optimized for the medical sector's energy efficiency and dependability, with notably low life cycle costs. These pumps are excellent for applications requiring a deep vacuum in a single stage, making them a vital component in medical procedures and laboratory settings.

Advantages at a glance

- + Dry running, contact free operation
- + High vacuum in one stage
- + Low life cycle costs

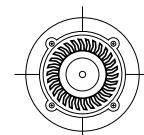


Rotary Vane

Our oil-lubricated rotary vane vacuum pumps are tailored for the diverse demands of the medical industry. Renowned for their reliability, these pumps facilitate a broad spectrum of healthcare applications, providing essential vacuum support where precision and consistent performance are crucial.

Advantages at a glance

- + Robust and economical
- + Long up time and easy to operate
- + Easy to maintain



Side Channel Blower

Versatile and perfectly suited for the medical industry's needs, offering efficient, oil-free operation for applications like medical gas conveyance and air supply systems. Designed for continuous, flawless performance, they ensure maximum uptime with a broad range of capacities up to 3,000 m³/h and pressures up to 1,000 mbar.

Advantages at a glance

- + Reliable and built-to-last, virtually maintenance free
- + Compact and light-weight design
- + Adjustable speed via external or integral converter



CENTRAL VACUUM SYSTEMS

Elmo Rietschle vacuum systems are used to supply vacuum in hospitals from a central location. They are manufactured according to Standards ISO 7396 and ISO 9001:2015 and are available with Medical Device CE Certification.

Our vacuum systems are available in different standard combinations or as customised solutions for medical applications.

Multi-Pump systems, to suit your needs

Simplex, Duplex, Triplex and Multi-pump Central Vacuum Systems offer highly efficient and reliable packages for vacuum supply.



PERFORMANCE WHEN THEY NEED IT MOST

Oil Lubricated Rotary Vane

Our medical Central Vacuum Systems use the Elmo Rietschle V-VC Single stage air cooled oil lubricated rotary vane vacuum pumps because of its high volumetric efficiency, low power.



Precision-Engineered for Trust and Efficiency

Our vacuum systems are meticulously designed to offer unwavering reliability, economical ownership, and absolute confidence in their performance. They promise an extended operational lifespan with the least maintenance demands. All our vacuum equipment is built to the highest standards and come with the following features.

KEY FEATURES & BENEFITS



Anti-Vibration Mounts
to minimise noise, wear and vibration transmittal.



Built in Redundancy
for guaranteed supply of vacuum.



Interconnecting Pipework
and wiring included with each system.



Flexible Connections
stainless steel connections for all pump pipework.



'Fail Safe' Control System
in event of power loss.



Electric Isolator



User Friendly Control Panel
with high visibility indicators and gauges.



Alarm & BMS Outputs
for remote status indication.



Pre-Delivery Testing
and medical certification for every pump and system.



Factory-Set
pressure switches and sensors for ease of installation and commissioning.



Comprehensive Warranty
12 months standard system warranty and up to six years extended warranty on vacuum pumps.





OPTIMIZED AGSS FOR ADVANCED HEALTHCARE ENVIRONMENTS

Our Anaesthetic Gas Scavenging Systems (AGSS) are specifically engineered for effectiveness and unparalleled reliability, serving as a vital component in managing breathing and ventilation systems within medical settings. The primary function of our AGSS is the diligent removal of waste anaesthetic gases from surgical spaces and related areas equipped with gas terminals, safeguarding the health of both patients and healthcare professionals.

Leveraging our globally recognized side channel blower technology, our AGSS solutions stand out for their exceptional dependability and energy efficiency. They operate quietly, with a compact design and minimal heat emission, making them ideal for installation in close proximity to care areas without disrupting the serene atmosphere crucial for patient recovery and comfort.

Duplex System

Key Features & Benefits

The Duplex offers a highly efficient and reliable package for vacuum supply. Available in two pressure options, the GSE is for normal duties whilst the GSH offers higher differential pressure for distant installations.



Fully Compliant

to ISO 7396-2:2016, HTM 0202 and Medical CE Standards.



Space Saving Design

with minimal footprint required.



Pre-Set Vacuum

and pressure balance valve.



Inlet & Exhaust

supplied with check valves and copper pipe line connections.



Drive Options Available

50 and 60Hz motors plus the option to use variable speed drive (VSD).



Fully Tested

and certified prior to dispatch.



Remote Control Panel

up to 15 panels available.



Alarm & B.M.S Output

connections on all duplex models for remote monitoring and management.



COMPREHENSIVE AFTERMARKET SUPPORT AND GENUINE PARTS

Our commitment to excellence extends beyond the initial installation of our vacuum and pressure systems. We offer a robust aftermarket support program to ensure your equipment continues to operate at peak performance throughout its lifecycle. Our genuine parts and dedicated service team are always at the ready, providing swift and effective solutions to maintain system integrity and minimize downtime. With our global network, you can expect responsive, knowledgeable assistance, and the assurance of using high-quality components specifically designed for your medical vacuum and pressure needs.



CUSTOM ENGINEERED FOR PRECISE MEDICAL REQUIREMENTS

Our dedicated product engineers are committed to innovating world-class medical vacuum and low-pressure systems tailored for the healthcare sector. Our objective is to elevate your healthcare services, ensuring enhanced efficiency, paramount safety, and maximum uptime. In the medical field, our modular systems are designed with cutting-edge technologies to deliver seamless integration and intelligent management, optimizing operational continuity and patient care.



Dedicated Support

Our team is committed to providing prompt and effective assistance whenever you need it.



Genuine Parts Assurance

We guarantee the use of authentic parts to ensure your equipment runs smoothly and reliably.

WHY CHOOSE ELMO RIETSCHLE?



Optimum Performance

Constant vacuum and low pressure



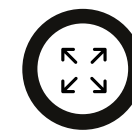
Lower Total Cost of Ownership

Reduce maintenance & energy consumption



Sustainability


Embracing eco-friendly technologies and production methods



Flexibility

Wide product range to adapt to different application demands

PART OF A WIDER FAMILY

Elmo Rietschle is part of  Ingersoll Rand, which gives our customers access to an even wider range of products and solutions. Ingersoll Rand has a very broad range of innovative and mission-critical air, fluid, energy and medical technologies, providing services and solutions to increase industrial productivity and efficiency.

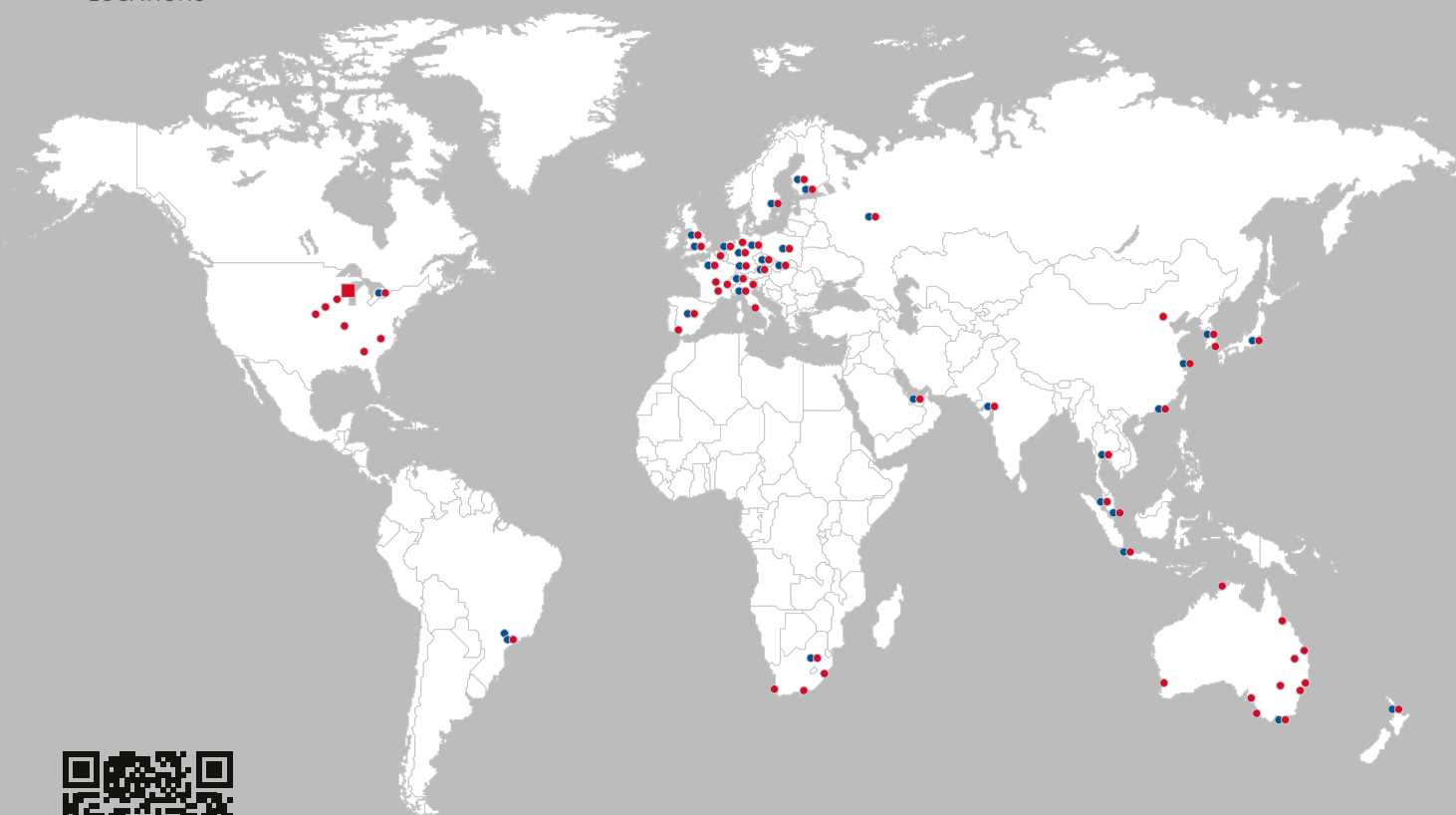


We have locations throughout the world to better supply and support you. Our expert local service personnel speak your language.

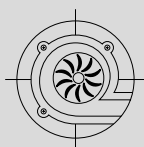


Elmo Rietschle®

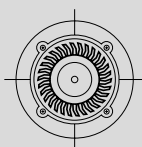
- CORPORATE HEADQUARTERS
- SALES/SERVICE LOCATIONS
- MANUFACTURING LOCATIONS



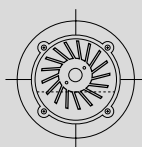
ELMO RIETSCHLE
LOW PRESSURE & VACUUM SOLUTIONS
www.elmorietschle.com



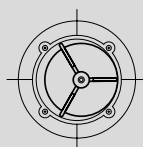
F-SERIES
Radial



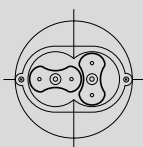
G-SERIES
Side Channel



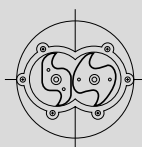
L-SERIES
Liquid Ring



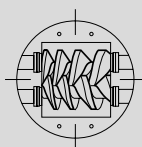
V-SERIES
Rotary Vane



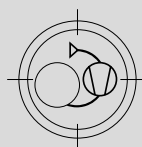
R-SERIES
Rotary Lobe



C-SERIES
Claw



S-SERIES
Screw



X-SERIES
Systems