

## BOOST YOUR SYSTEM'S CAPACITY WITH A SINGLE SOLUTION

The **Booster Rotary Lobe Pump** is engineered to complement your existing vacuum system, increasing volume flow and reducing the need for multiple machines.

### Key Benefits:

- + Replace Multiple Machines**  
A Booster combination allows you to achieve higher capacity with fewer pumps, saving energy and reducing operational complexity.
- + Flexible Compatibility**  
Ideal for pairing with screw pumps, rotary vane pumps, and claw pumps to enhance system performance.

- + Energy Savings**  
Reduce energy consumption without compromising on vacuum generation.
- + Pressure Adaptability**  
Integrated bypass valve ensures safe operation and efficient startup with backing pumps.



## ONE COMBINATION, MULTIPLE ADVANTAGES

The **Booster Rotary Lobe Pump** is the perfect solution for industries that need enhanced vacuum performance while minimizing energy consumption and operational complexity.

### Key Benefits:

- + Higher Capacity, Fewer Machines**  
Achieve the same output with fewer pumps by integrating a Booster into your system.
- + Energy Savings**  
Reduce energy consumption compared to using multiple standalone machines.
- + Flexible Pairing Options**  
Works seamlessly with other pumps in our portfolio.
- + Compact and Space-Saving**  
Smaller footprint compared to using multiple vacuum machines.
- + Simplified Maintenance**  
Oil-lubricated gearbox and bearings separated from the compression chamber ensure ease of upkeep and longer pump life.
- + Safety Compliance**  
Motors meet DIN EN 60034 standards, with IP 55 protection and insulation class F for safe operation.



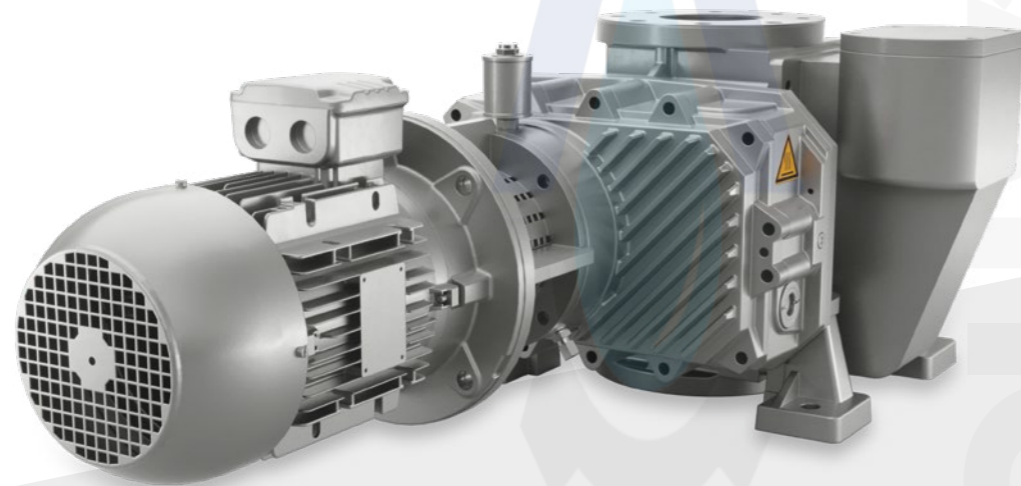
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# BOOSTER ROTARY LOBE PUMP SPECIFICATIONS

The **Booster Rotary Lobe Pump** is available in multiple models to fit diverse industrial requirements:



| TECHNICAL SPECIFICATIONS        |                               |                               |                               |
|---------------------------------|-------------------------------|-------------------------------|-------------------------------|
|                                 | R-VWP 501                     | R-VWP 1001                    | R-VWP 2001                    |
| <b>Nominal Suction Capacity</b> | 500 m <sup>3</sup> /h         | 1000 m <sup>3</sup> /h        | 2000 m <sup>3</sup> /h        |
| <b>Pressure Difference</b>      | 60 mbar across overflow valve | 60 mbar across overflow valve | 60 mbar across overflow valve |
| <b>Noise Level</b>              | 73 dB(A)                      | 74 dB(A)                      | 74 dB(A)                      |
| <b>Weight (Without Motor)</b>   | 141 kg                        | 225 kg                        | 360 kg                        |
| <b>Oil Capacity</b>             | 1.1 litres                    | 2.2 litres                    | 3.05 litres                   |



# OPTIMIZE YOUR BOOSTER SYSTEM WITH RELIABLE SUPPORT

At Elmo Rietschle, we don't just deliver exceptional products—we ensure they perform optimally throughout their lifespan. Our aftermarket services are designed to give you peace of mind and maximize the efficiency of your **Booster Rotary Lobe Pump** system.

## Support Highlights:

- + Genuine Parts**  
Access to high-quality spare parts to ensure optimal performance and reliability.
- + Expert Inspections**  
On-site evaluations and maintenance performed by trained professionals.
- + Customer Training**  
Effective training programs to equip your team with the knowledge to operate and maintain Booster systems efficiently.
- + Ongoing Support**  
Dedicated customer service to troubleshoot, optimize, and maximize your system's ROI.

