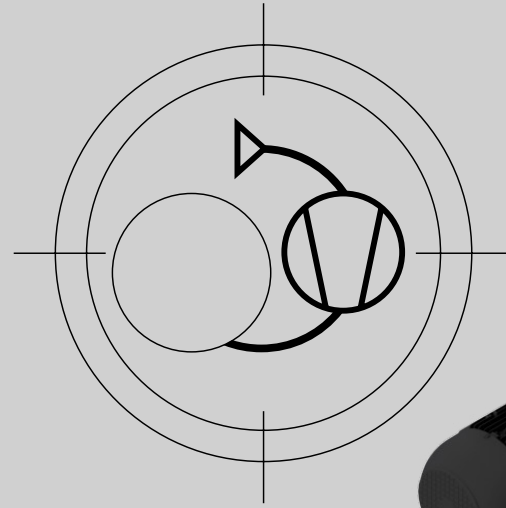




Elmo Rietschle®



STANDARD VACUUM SYSTEMS

BOOSTER COMBINATIONS



VAKUUM EXPERTEN

ENGINEERED SYSTEM SOLUTIONS FOR RELIABLE VACUUM PERFORMANCE

Elmo Rietschle has been shaping vacuum technology for decades. With a comprehensive portfolio of vacuum pumps and systems, Elmo Rietschle is a trusted partner for OEMs and end customers worldwide.

Vacuum booster and backing pump combinations are used in a wide range of applications to generate high suction capacity at medium vacuum levels. The integration of a booster enables shorter evacuation times, allowing the required vacuum level to be reached quickly while achieving higher energy efficiency compared to single pump solutions.

Elmo Rietschle standard systems combine proven components, matched configurations, and system expertise to ensure reliable operation and simplified integration.



BOOSTER + SCREW PUMP

HIGH THROUGHPUT AND EFFICIENT OPERATION

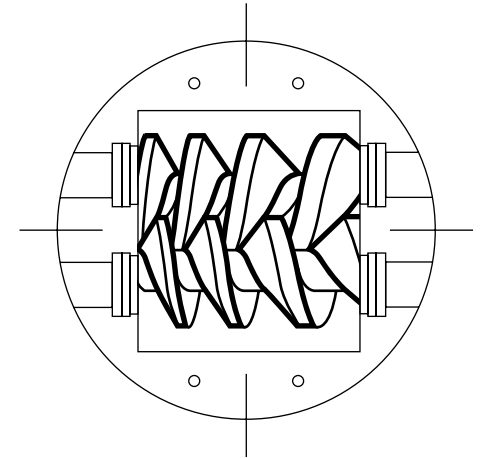
The combination of a vacuum booster and screw backing pump is designed for applications requiring fast pump down times, stable medium vacuum levels, and energy efficient operation.

This system configuration is widely used in dry vacuum applications such as vacuum packaging, vacuum drying, and metallurgy, where reliable and consistent performance is essential.

Elmo Rietschle offers commonly used Booster + Screw Pump combinations as standardized systems, engineered and tested for dependable operation.

High Suction Capacity

Up to **800+ m³/h** at 50 Hz
and **900+ m³/h** at 60 Hz
in the vacuum range from
0.2 to 6 mbar (abs.)



High Energy Efficiency

Power consumption
5-6 kW within **0.2 to 6 mbar (abs.)**

Fast Evacuation

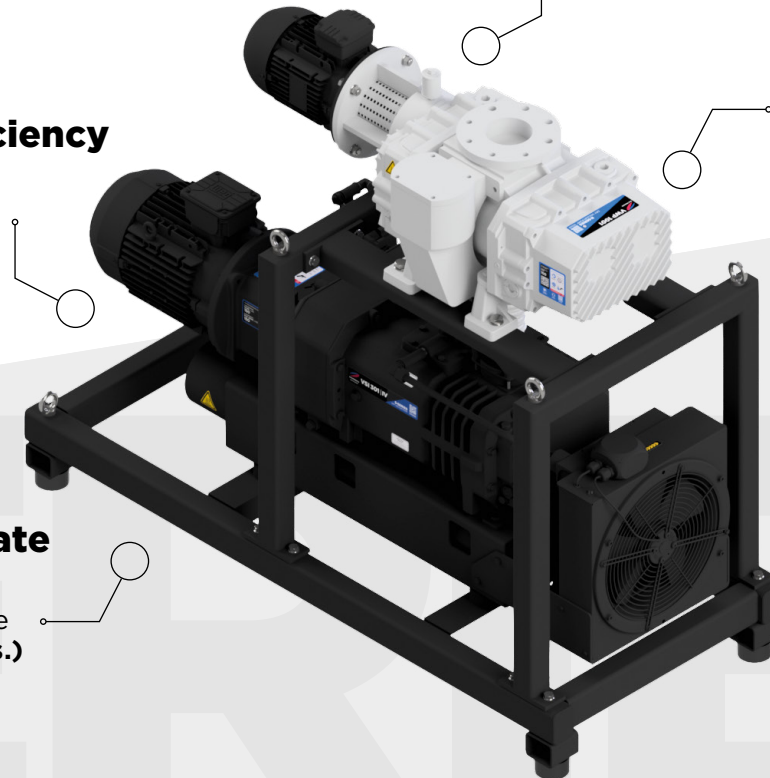
Reduced pump down times
for cycle-critical processes

Standard System Concept

Matched Elmo Rietschle
components supplied
from a single source

Deep Ultimate Vacuum

Ultimate pressure
< 0.01 mbar (abs.)



VPS 301.10

Suction capacity at 1 mbar (abs.)
50 Hz | 60 Hz | **850 m³/h** | **1000 m³/h**

Version: Frame-mounted standard system

Backing Pump: VSI 301

+ Nominal suction capacity 50 Hz | 60 Hz | **300 m³/h** | **360 m³/h**

Vacuum Booster: VWP 1001

+ Nominal suction capacity (50 Hz) | **1000 m³/h**

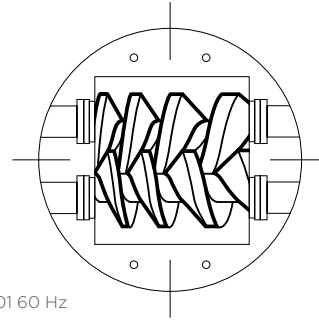
Ultimate vacuum: 50 Hz | 60 Hz | **0.01** | **0.007 mbar (abs.)**



OIL FREE

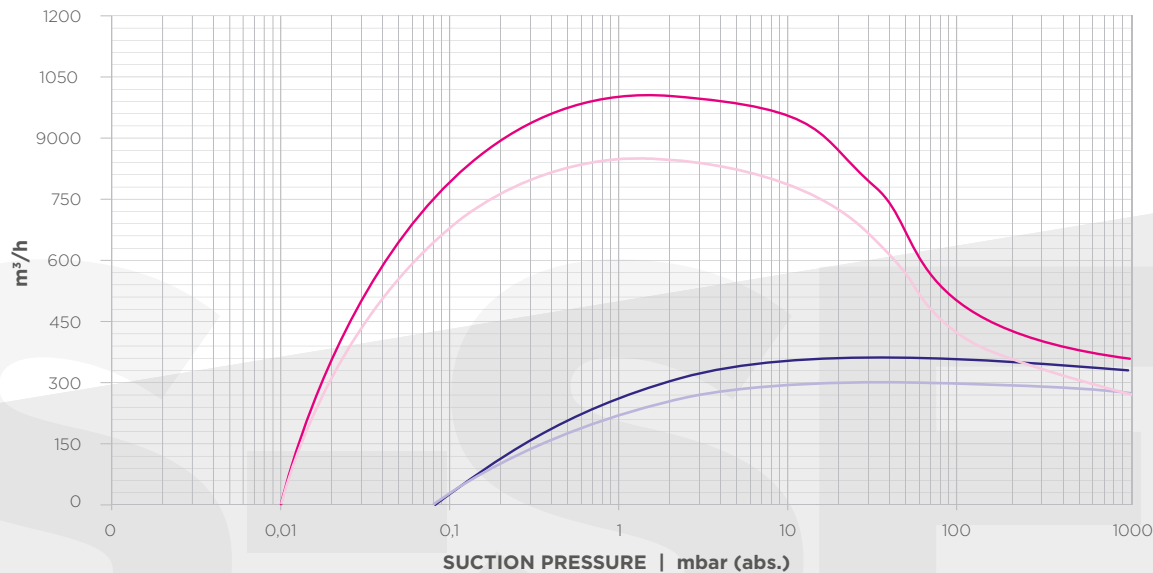


VACUUM



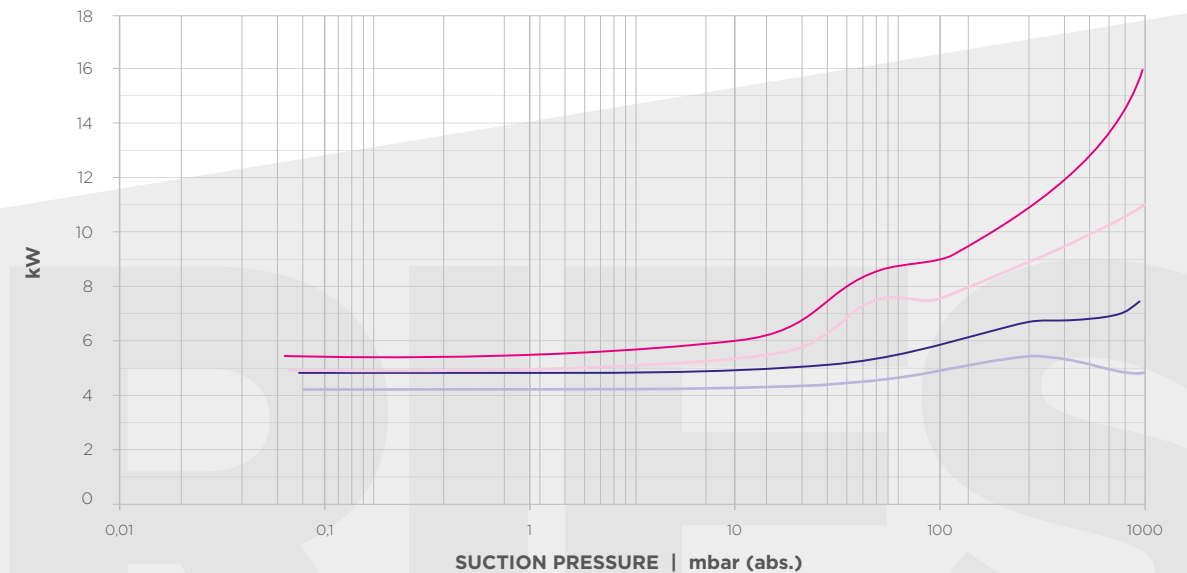
Suction Capacity

— VPS 301.10 50 Hz — VPS 301.10 60 Hz — VSI 301 50 Hz — VSI 301 60 Hz



Power Consumption

— VPS 301.10 50 Hz — VPS 301.10 60 Hz — VSI 301 50 Hz — VSI 301 60 Hz





Elmo Rietschle®

ENGINEERED FOR RELIABLE OPERATION

Elmo Rietschle standard vacuum systems combine **proven components, application expertise, and system reliability.**

Whether screw or rotary vane based, booster combinations deliver **fast evacuation, stable vacuum levels, and optimised energy efficiency**, supported by global service and technical expertise.



Find out more.

