

ELECTRIC VACUUM PUMP



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The late 1990s witnessed the arrival of the first electric vacuum pump (EVP) designed for demand-oriented and therefore engine-independent control. Simple integration with no need to modify the engine in order to accommodate the mechanical vacuum pump led to a high demand for the product in engines with insufficient vacuum production.

Since 2010, electric vacuum pumps have also been used in modern drivetrains due to their engine-independent operation. Electric vacuum pumps are now being integrated into vehicles of all classes, both hybrid and electric.

In 2020, vacuum systems had a global market share of over 84 percent, equating to some 76 million vehicles, making them the most widely used brake booster solution in passenger cars and light commercial vehicles.

BENEFITS

- Lightweight and compact electrification of your brake-booster
- With an outstanding robustness
- Excellent low noise and vibration NVH
- Constant high vacuum level over lifetime > -900 mbar
- Simplified integration
- All interfaces changeable to your needs
- Constant high vacuum level over lifetime
- Integrated check valve

TECHNICAL DATA

Type	dry-running
Capacity	45 norm L/min
Vacuum level	typical -910 mbar
Supply voltage	13.2 V
Power consumption	120 Watt
Ambient temperature	(-40 ... 120) °C

PIERBURG

Pierburg, as a heritage brand, is a system provider for high-quality and innovative solutions and control technologies for the automotive and energy industries, among others.

With its Business Sections, Pierburg stands for outstanding expertise in the following areas: air management, thermal management, e-mobility and hydrogen technology.