

ELECTRIC VAPOR PUMP



ELECTRIC VAPOR PUMP (EVAP)

Pierburg's EVAP provides 100 mbar delta pressure at 50 LPM pneumatic performance to assure purging evaporated gasoline from active carbon canister to ICE in order to meet evaporative emission standards.

Impeller based technology provides reliable P-Q characteristics to fulfill purge cycle demands of an evaporative purging system. It assures pump operation during closed purge valve condition without causing excessive power consumption. Integrated electronics assures reliable pump operation with self-diagnostics feature, and feeds necessary pump operational data back to ECU via LIN.

The pump is equipped with highly engineered rotational system & a single phase motor in order to provide durable and reliable purging functionalities within a compact packaging space. It offers superior NVH characteristics within the same category products.

BENEFITS

- Active charcoal canister purging
- Support to achieve the latest evaporative emission standards
- Compact pump design: 81 mm dia. x 63 mm height
- Accommodate customer specific pneumatic and electrical connectors
- Deliver with a customer specific bracket
- Flexible speed control to meet a customer specific requirement (flow rate and pressure)
- Highly engineered rotational system to provide optimal NVH performance as well as robust lifetime durability
- Integrated pump diagnostic feature
- Integrated accurate pressure sensor to support OBD (optional)

TECHNICAL DATA

Flow rate	up to 50 sLPM
Pressure	up to 100 mbar
Operating ambient temperature	-40 °C ~ +120 °C
Lifetime	up to 8.000 hrs
Operating voltage	9 V ~ 16 V

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.

CONTACT

Pierburg GmbH

Alfred-Pierburg-Str. 1 · 41460 Neuss
power-systems@rheinmetall.com