

# HEAVY DUTY BACK PRESSURE VALVE



## HD BACK PRESSURE VALVE

Our heavy duty back pressure valve is a versatile component designed to enhance the efficiency of EGR systems, manage thermal conditions, support endurance braking, and assist with gear shifts. It's powered by a wear-free brushless DC motor, ensuring a long-lasting and maintenance-free operation.

Equipped with CAN communication and full OBD support, it integrates seamlessly into existing vehicle networks for diagnostics and control. Engineered to withstand the rigors of use, it's particularly suited to environments that experience high vibration loads, affirming its design for long-term durability.

### BENEFITS

- Ready for on- and off-road, industrial and agricultural application - standardization
- CAN communication w/ customer specific software layer – full OBD
- Complete BPV from one source - checked quality
- Standard flap diameters 80/100mm – cost efficiency
- Customer specific electrical connectors w/ pig tail – reduces pin fretting
- Robust against all kinds of deposits and street salt – more than 10 years field experience
- Ready for up to 20,000 hrs or 1,600,000 km

### TECHNICAL DATA

Operating voltage	12/24 V
Av. current consumption (150 °C)	< 7 A
Exhaust gas temperature range	40 °C ... +720 °C
Environmental temperature (with actuator cooling)	150 °C
Fail safe	yes

### RHEINMETALL POWER SYSTEMS DIVISION

Within Rheinmetall the Power Systems Division is a system provider for high-quality and innovative (mobility) solutions, control technologies and digital applications for the automotive and energy industries, among others.

With its Business Units and Business Areas, the Division stands for outstanding expertise in the following areas: air management, thermal management, e-mobility and digitalization, hydrogen technology, metallic plain bearings, composite materials and lightweight construction. The Power Systems Division also represents Rheinmetall's global after-market activities through the Trade Business Unit.

### CONTACT

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