HOT EGR VALVE
HIGH PERFORMANCE - COMPACT DESIGN

Advanced Mechatronics
Single or dual configuration

The AVENTICS best in class hot EGR valve is a water cooled valve design with outstanding high flow and low pressure drop. Available in single or dual configuration, it provides precise and reliable operation.

A wide range of Best in Class features
- Low pressure drop
- Widest temperature range
- Response time
- Integrated valve and actuator

Additional characteristics
- Flange mount or V-band mount
- Water cooled
- BLDC motor
- Non-contact position sensor
- CAN (J1939), PWM or analog control
- On board diagnostics
- E1 compliant
- Leak proof IP69K

Series Hot EGR valve
Bore sizes 30mm to 70mm
Peak torque @ output shaft up to 20.0 Nm
Position accuracy < 0.5°
Temp. range, operational -40°C to +150°C
Temperature range, storage -55°C to +175°C
CAN ready 250kB, 500kB, 1MB
Operational voltage 12V or 24V
Vibration to 29g rms
Response times $T_{90} < 100\text{ms}$ $T_s < 120\text{ms}$

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