# FUEL TANK
# ISOLATION VALVE

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Rheinmetall's fuel tank isoloation valve (FTIV) is designed to control fuel vapors in vehicles with pressurized fuel tanks, ensuring both performance and environmental compliance. It installs seamlessly between the fuel tank and canister and has robust mechanical safety features.

When closed, the FTIV is extremely tight and effectively prevents leakage. The hysteresis is minimal and the valve avoid loading the canister during electric driving, thereby ensuring the integrity of the vehicle's fuel system.

In addition, it protects the fuel tank from the dangers of excessive pressure or vacuum. Our FTIV is considered the best in class, features the smallest footprint and lightest weight, and provides a superior solution for fuel vapor management.

### BENEFITS

- Used with pressurized fuel tanks especially on PHEVs
- Normally closed with adjustable mechanical bypasses for pressure and vacuum
- Integrated dynamic flow limiter (patented design)
- Best in class for weight and size (smallest and lightest valve on the market with full functionality)

### TECHNICAL DATA

| | |
|---|---|
| Operating voltage | 8.5 ... 16 V |
| Current consumption (20 °C) | < 0.6 A |
| Temperature range | -40 °C ... +85 °C |
| Leak tight range (adjustable) | i.e. -10 ... +35 kPa |
| Leakage (0 ... +85 °C) | ≤ 0.5 ml/min |

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### CONTACT

**Power Systems Division**
Pierburg GmbH · Alfred-Pierburg-Str. 1 · 41460 Neuss
power-systems@rheinmetall.com





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