



**WORTHINGTON**  
ENTERPRISES

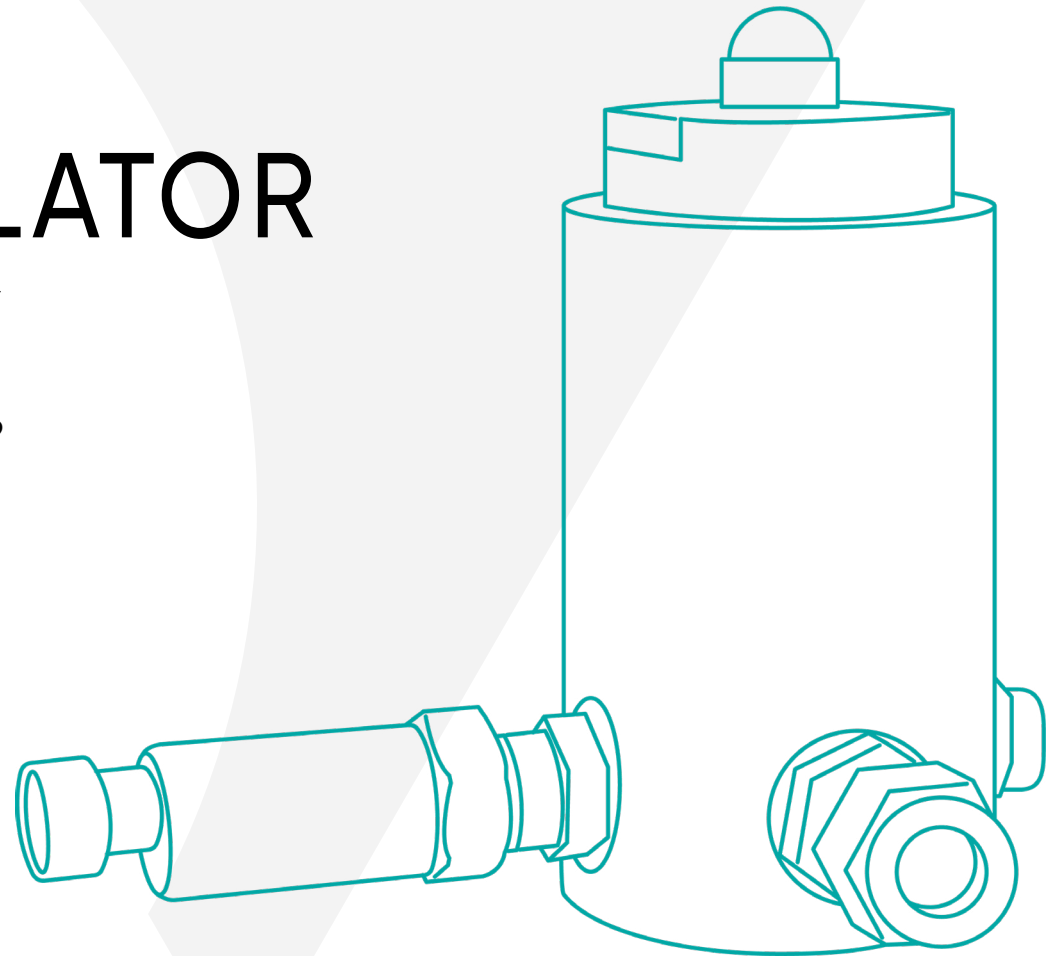


# PTEC PRESSURE REGULATOR

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**How do you drop the pressure of your vehicle's compressed H<sub>2</sub> from 35-70 MPa to 1 MPa safely?  
With PTEC Pressure Regulators.**

Hydrogen-fueled mobility is evolving fast. Whether you need to catch up, keep pace, or get ahead, we can help. We lead the market with compressed H<sub>2</sub> containment solutions for storage, transport, and on-board fueling systems. From hydrogen refueling stations to storage and transport containers, from cars to buses and trucks, our type 1-4 cylinders, cylinder systems, and gas-street components help your sustainable mobility program move full speed ahead.



# Engineered in Germany

**PTEC Pressure Regulators** allow you to maintain constant, stable pressure to your vehicle's fuel cells. Each component design is tailored to your vehicle specifications – ensuring smooth, safe operations.



Durable



Lightweight



Design



Innovation



Long Range

**Constant outlet pressure** over the full pressure range (0.2 - 35 MPa) / (0.2 - 70 MPa)

**Outlet pressure range:** 0.4 - 3 MPa

**Higher outlet pressure range** for H2 combustion engines possible (up to 6 MPa)

**H2 flowrate:** 5.2 %

**Pressure protection** (optional with purge function)

**Compact, low-weight design**

**Safety device:** Pressure relief valve



**Pressure sensor** in low pressure line

**Inlet / outlet connection:** tailored to customer specifications

**Operating pressure:** 0 - 70 MPa

**Operating temperature:** -40 °C - +85 °C

**Included** 10 µm filter

**Noiseless**

**EC 79 Certifications**

All seals designed for **compressed H2**

**Corrosion-resistant, aluminum coated** (35 MPa component) **stainless steel** (70 MPa component)

**Burst pressure:** > 105 MPa

**Reliable in fueling and operation**

**Tightness:** < 1 x 10<sup>-5</sup> mbar l/s, 20 °C, 100% He

