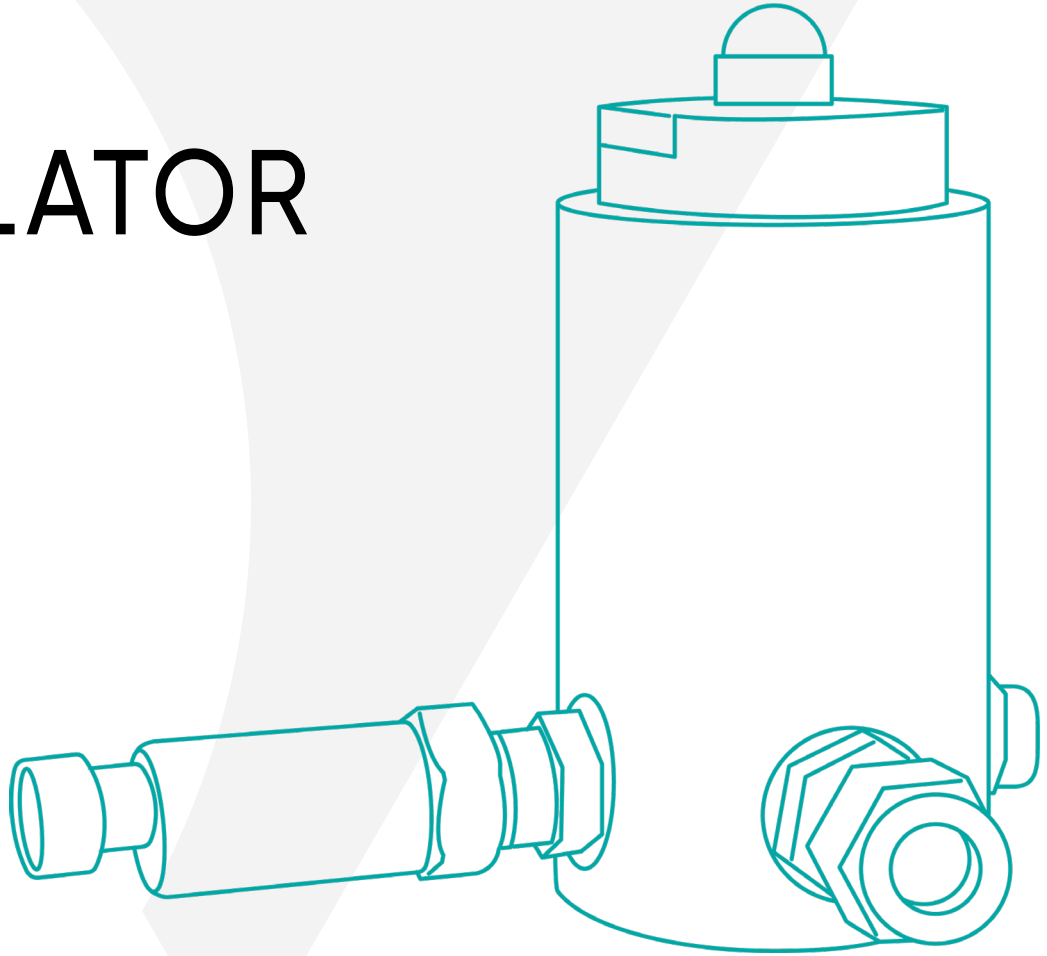
WORTHINGTON ENTERPRISES

TOWARDS TOMORROW TOGETHER

PTEC PRESSURE REGULATOR

How do you drop the pressure of your vehicle's compressed H2 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 H2 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 g/s

Pressure protection (optional with purge function)

Compact, low-weight design

Safety device: Presssure 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: Back up 10 µm filter (depends on tube connection)

Noiseless

EC 79 Certifications

All seals designed for **compressed H2**

Corrosion-resistant housing: Coated aluminum or stainless steel

Burst pressure: > 105 MPa

Reliable in fueling and **operation**

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

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