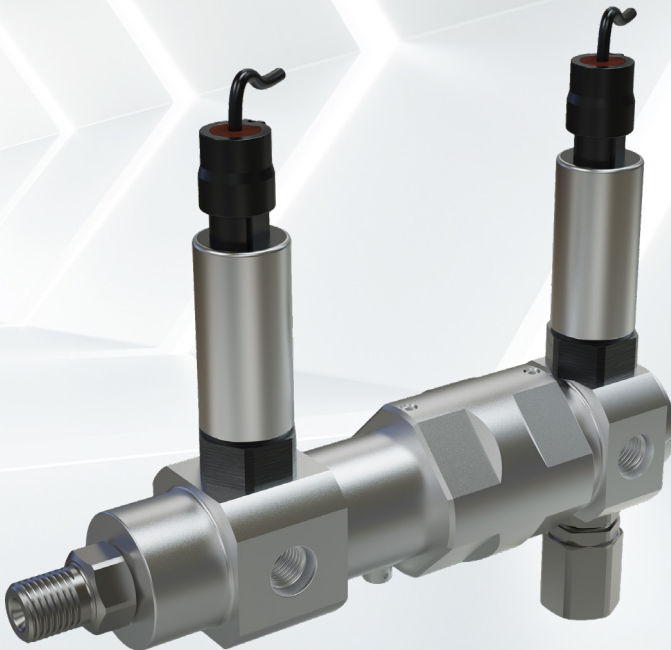


# 70 MPa Pressure Regulator



Output flow rate

$\geq 3$  g/s

Output pressure

0.9~1.9 MPaG

Operating temperature

-40~85 ° C

Cycle life

$\geq 50000$  times

Weight

$\leq 650$  g

External leakage rate

$\leq 0.6$  Nml/h

Maximum operating pressure

87.5 MPa

## PRODUCT PRESENTATION

The 70 MPa vehicle pressure regulator is hydrogen embrittlement resistant, ultra-lightweight and has a long service lifetime. The comprehensive performance index far exceeds the general domestic and international standards.

## TECHNICAL HIGHLIGHTS

- Structurally sound-Coaxial multi - stage relief pressure technology prevents leakage.High-pressure sealing reduces the risk of hydrogen leakage.Two-stage pressure relief valve ensures accuracy and stability of the output pressure.
- Lightweight - Valve weighs less than 750g.
- Strong and durable material - PR body is made of high strength aluminum alloy, which is resistant to corrosion and hydrogen embrittlement.
- Three-way parallel layout - High pressure connector and sensor are interconnected, reducing the number of connections required in the hydrogen system.

### Application scenario of 70 MPa pressure regulator

The product has a wide use in 35/70MPa onboard hydrogen storage system, including passenger vehicles, commercial vehicles, etc. Its application also can be extended to UAV, hydrogen fuel cell ships and other fields.

For various complex working conditions such as passenger cars, commercial vehicles and ships, we carry out full life cycle verification and environmental tests such as acid, alkali and salt fog to improve the applicability of products; According to the investigation of customers' needs, we customize the outlet pressure design to match the different outlet pressure needs of customers.



# Breaking Frontiers in Technology, Fueling Tomorrow with Hydrogen

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