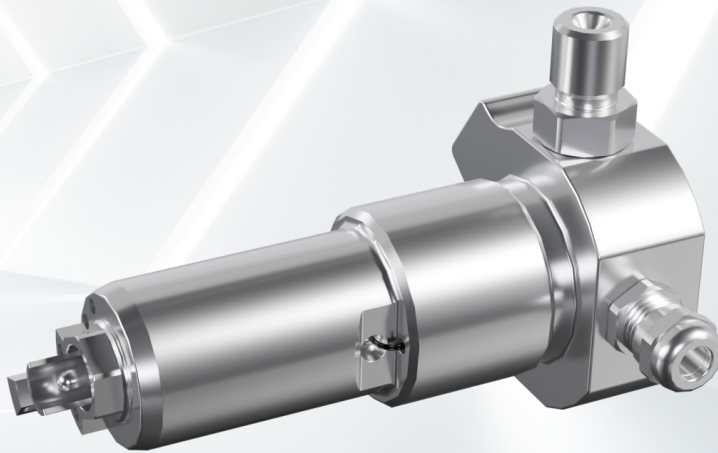


# 70 MPa Hydrogen OTV



Operating pressure  
70MPa

Filter fineness  
10 $\mu$ m

Operating temperature  
-40°C ~85°C

Weight  
520g

Valve material  
Aluminum alloy 6061-T6

Refueling flow  
 $\geq$  60g/s

Maximum turn-on current  
 $\leq$  1A

Burst pressure  
 $\geq$  175MPa

Leakage rate  
 $\leq$  0.6Nml/h

Maximum transient power consumption  
 $\leq$  6W

## PRODUCT PRESENTATION

It adopts the design with highly integrated and built-in solenoid valves which has the advantages of miniaturization, lightweight, high reliability, low power, and the service life can reach more than 50,000 times. In addition, the OVT has the functions of overtemperature discharge and overflow protection, which can effectively protect the safety of vehicles and passengers.

## TECHNICAL HIGHLIGHTS

- Miniaturized, lightweight and integrated design
- Modular, universal design
- Low-cost (processability) design
- Built-in design of solenoid valve
- Low power consumption

### Application scenario of 70 MPa Hydrogen OTV

The product has a wide use in 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.



Breaking Frontiers in Technology,  
Fueling Tomorrow with Hydrogen

未势能源科技有限公司  
FTXT Energy Technology Co., Ltd.



0312-2196535  
[www.ftxt-e.com](http://www.ftxt-e.com)