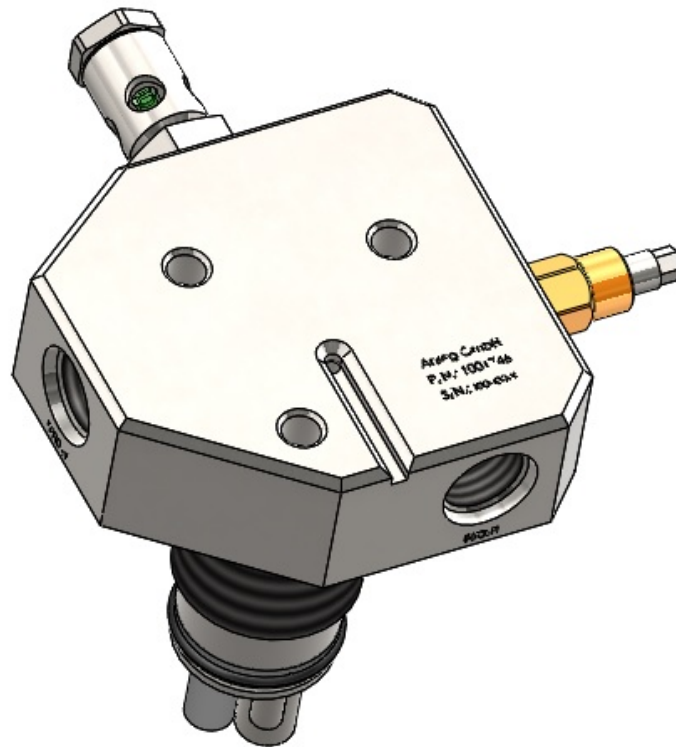


MOTV (Manual On-Tank Valve)



Main technical features

- ▶ **Nominal pressure** 350 to 700 bar
- ▶ **Minimal pressure** 10 bar
- ▶ **Maximal pressure** 875 bar
- ▶ **Tank connector** On demand
- ▶ **TPRD** DN 2,5 or DN 6
- ▶ **Temperature transmitter***

Manual On Tank Valve is attached to the high-pressure hydrogen tank, which stores the hydrogen used to power fuel cell vehicles at a maximum of 87.5 MPa. The valve measures the temperature of the gas inside the tank and has the function to safely release the gas from the tank by Temperature pressure relies device (TPRD) at 110°C outer temperature. The Valve can be closed manually with manual stop valve, in closed position the inlet and outlet pressure are blocked. IN case of pipeline rupture after the MOTV an excess flow valve reduces the maximum outcoming flow.

*optional

Technical specifications

Description

Nominal pressure P1	700 bar
Maximal pressure P1	875 bar filling pressure
Weight	2,5 kg
Ambient temperature	-40°C to 85°C
Housing material	1.4435

Equipment

Excess flow valve		
Temperature transmitters*	NTC 90-205, PT100, PT1000...	(with or without TT)
TPRD	110 °C, DN 2,5 or DN 6,	
Pre-filter	50 µm	
Outlet filter	5 µm	

Connections

Tank connection	1 ½" - 12 UNF	(customizable on request)
Port P1 connection	3/4" - 16 UNF, SAE Size 8	(customizable on request)
Venting port	3/4" - 16 UNF, SAE Size 8	(customizable on request)

Certified

TPED & ADR

*optional

Overall dimensions

P/N 1001949 for example

