

Zertifiziert nach DIN EN ISO 9001
certified according to DIN EN ISO 9001

Tel. +49-(0)281-206526-0
Fax +49-(0)281-206526-29
www.ANLEG.de

ANLEG GmbH
Am Schornacker 59
D 46485 Wesel

**On Tank Valve with integrated pressure regulator
“OTVR1-Series”**



PS:	875 bar filling pressure
Ambient Temperature:	-40...80°C
Housing Material:	EN AW 6061 T6
Pre-Filtration:	50µm
Outlet Filtration:	5 µm
Solenoid Valve:	Pilot Operated
Pressure Regulator:	Piston Operated
Weight:	0,9 Kg
Vessel Connection:	1 ½-12 UNF
Pressure Transmitter Port:	Custom

The OTVR1 is dedicated to be assembled direct on pressure vessels. The outlet pressure is fix set to your value without manipulation possibility.

The design of the OTVR1 is free of high pressure loaded, dynamic sealing. A high importance has been added on the compact design, that includes all of the components, which are needed to manage high pressure hydrogen storage systems successfully.

Manifold	Equipment (Detail 2)	Process Connection Outlet / Vent	Order Code:			Additional Options
			TPRD Setpoint*	Outlet Pressure Set**	Power Supply****	
OTVR1 -	E _ _ -	T _ _ -	C _ _ -	PR _ _ -	V _ _ -	O _ _
	01 = Excess Flow Valve	02 = G1/4	01 = 57°C	38 = 10 bar	01 = 12 V DC	25 = He Test Certificate
	02 = Pressure Regulator	21 = SAE6 (9/16-18 UNF)	02 = 68 °C	39 = 15 bar	02 = 24 V DC	26 = Material Certificates
	03 = Pressure Gauge	26 = 3/8 HP Pipe Cone Thread	03 = 79 °C	40 = 20 bar	03 = 28 V DC	30 = Manufacturer Certificates
	04 = Temperatur Sensor		04 = 93 °C			35 = Assembly tool
	06 = Inlet Filter		05 = 110 °C			
	07 = Solenoid Valve	50 = Custom	06 = 141 °C			
	10 = Thermal Pressure Relief Device TPRD		07 = 182 °C			
	11 = Burst Disc***					
	12 = Manual relief valve					
	13 = Manual Shut Off Valve					

*Only valid when TPRD option (E10) is chosen

** Only valid when pressure regulator option (E02) is chosen

***Please indicate response pressure for your RFQ

****Only valid when Solenoid valve option (E07) is chosen

Configuration Example:

OTVR1-E01 02 07 10 -T21-C05-PR39-V01

The On Tank Valve will be delivered, with devices equipped as follows: Excess Flow Valve, Pressure Regulator, Solenoid Valve 12VDC, Thermal Pressure Relief Device (TPRD).

The Vessel connection will be 1 ½"-12 UNF acc. detail 1. The outlet pressure connection and the vent line for pipe away connection will be a female SAE thread 9/16-18, dash Size 6. The response temperature of the TPRD will be 110°C of the ambient temperature.

Zertifiziert nach DIN EN ISO 9001
certified according to DIN EN ISO 9001

Tel. +49-(0)281-206526-0
Fax +49-(0)281-206526-29
www.ANLEG.de

ANLEG GmbH
Am Schornacker 59
D 46485 Wesel

Detail 1

