



ERA 350 HTV

35 MPa (350BAR)
HYDROGEN
TANK VALVE
OMB SALERI SPA



ERA HYDROGEN TANK VALVE



**ERA HTV 350
WITH INTEGRATED
REGULATOR**



**ERA HTV 350
REGULATOR
DOUBLE STAGE**

DESCRIPTION

The OMB 350 bar H₂ valve is a multifunctional valve to be assembled on a tank system, for stationary or automotive usage. The valve is equipped with the following components:

- Inlet fitting
- Outlet port
- Single inlet/outlet port without check valve
- Solenoid valve electronically controlled;
- Manual safety tap, to be used in order to isolate the automatic valve (in case of failure or maintenance);
- Bleed Valve, directly connected to the tank (in order to by-pass the excess flow, the manual valve and the solenoid valve);
- Thermal PRD (pressure relief device to prevent the explosion of the tank due to fire, based on a glass bulb concept)
- Filter 50 micron
- Tank connection

The valve can be requested with the following optional:

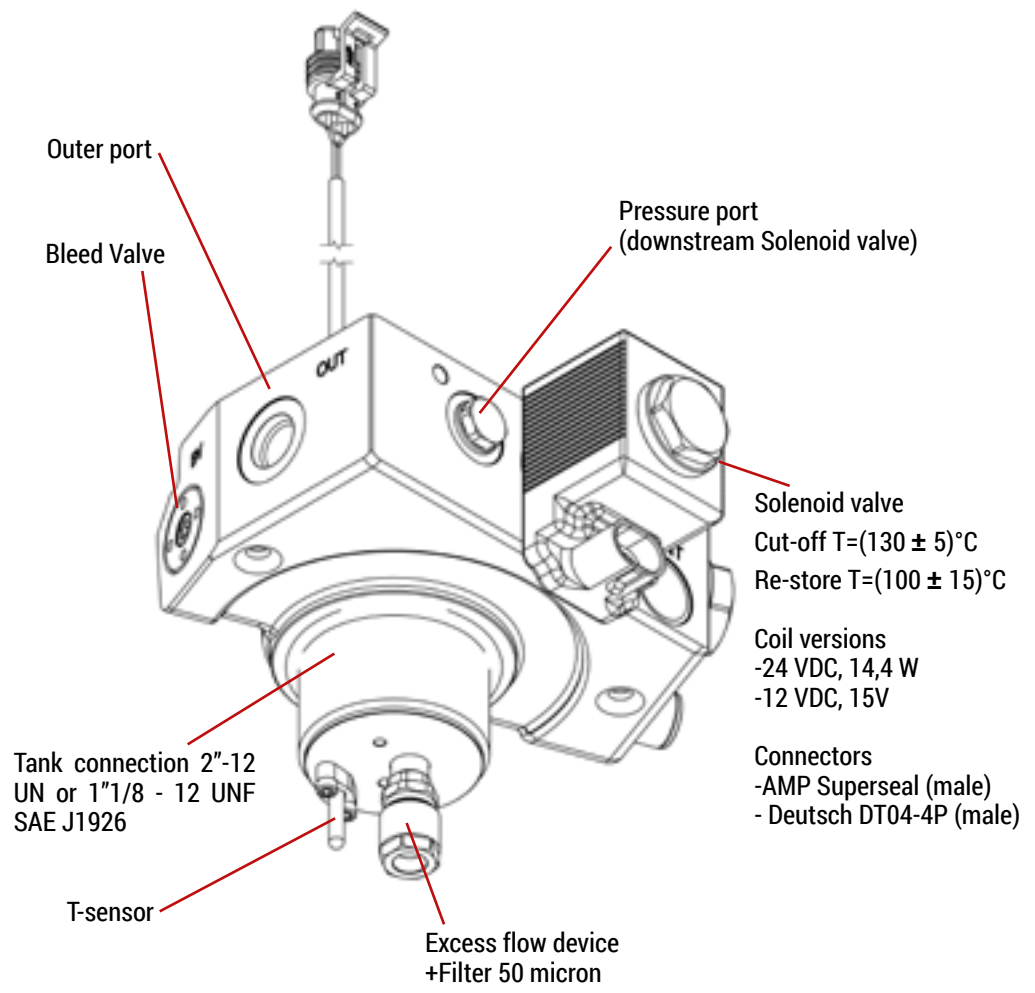
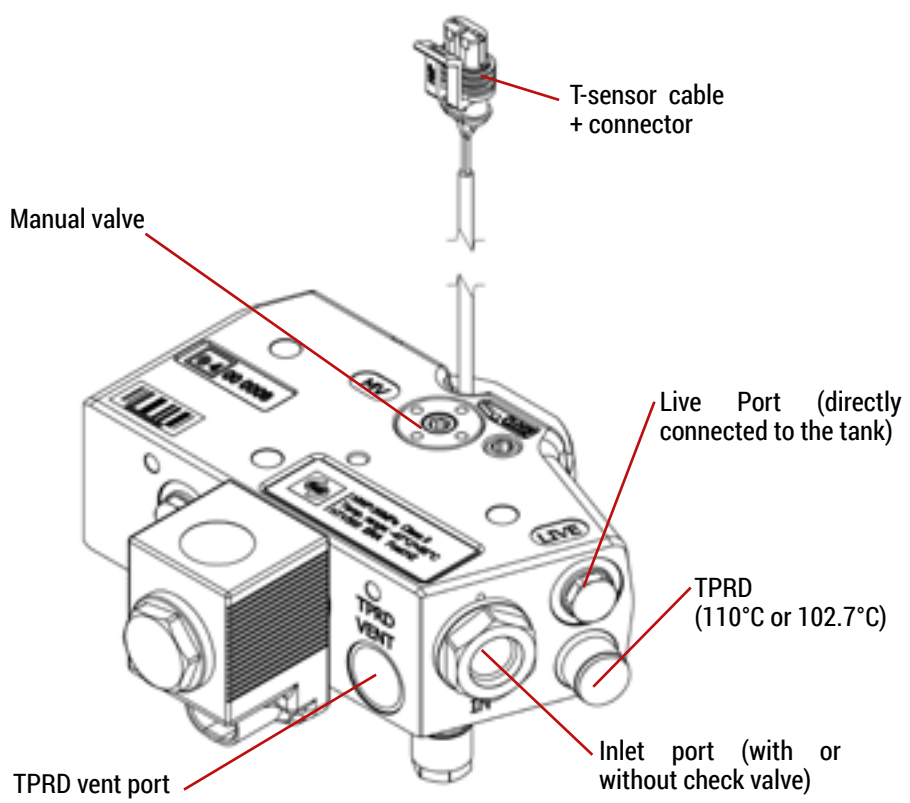
- Check valve
- Excess flow valve (flow limiter)
- Temperature sensor
- Live ports for pressure sensor or line middle TPRD (threaded connection directly connected to the tank)
- Pressure port plugged (after pressure regulator)
- Pressure regulator with PRV
- 10 micron filter (regulator configuration)
- In-line pressure port (high pressure port)



CERTIFICATION

- Regulation EC79/2009*406/2010, HGV 3.1, HPRD1














STANDARD VALVE LAY OUT



WEIGHT 2,1 Kg
DIMENSIONS 143,9 x 156,6 x 50,5 mm

AVAILABLE VERSIONS

The valve can be customized according to client specific requirements.

Picture	Valve Type	PIN	Tank connection	IN	OUT	Check valve	Coil	T sens. Cons.	TPRD	High pressure port (Mounting for COV)	Live port	Regulator	Kv value & Flow characteristics	Remarks
	HTV	372.88.090	2" (frontal sealing)	9/16"	9/16"	No	24V, AMP	AMP	110°C vent hole Ø4	7/16"	7/16"	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	
	HTV	372.88.170	2" (frontal sealing)	9/16"	9/16"	No	12V, AMP	AMP	110°C vent hole Ø4	7/16"	7/16"	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	
	HTV	370.88.720	1" 1/8 (frontal sealing)	3/4"	3/4"	Yes	24V, AMP	AMP	110°C vent hole Ø4	No	7/16"	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	
	HTV	370.88.730	1" 1/8 (frontal sealing)	Single In/Out 3/4"		No	24V, AMP	AMP	110°C vent hole Ø4	No	7/16"	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	
	HTV	370.88.730A	1" 1/8 (frontal sealing)	Single In/Out 3/4"		No	24V, AMP	Circular (Hafing)	110°C vent hole Ø4	No	7/16"	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	
	HTV	370.88.740	1" 1/8 (frontal sealing)	Single In/Out 3/4"		No	24V, AMP	Circular (Hafing)	110°C vent hole Ø4	No	7/16" & 3/8"	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	
	HTV	370.88.150	1" 1/2 (frontal sealing)	Single In/Out 9/16"		No	24V, AMP	AMP	110°C vent hole Ø4	No	7/16"	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	Only Proto. Equipped with pressure sensor
	HTV	372.88.195	1" 1/8 (frontal sealing)	Single In/Out M15x1		No	12V, AMP	AMP	110°C vent hole Ø4	No	No	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	
	HTV	370.88.610	1" 1/8 (frontal sealing)	7/16" H2P	9/16"	Yes	24V, AMP	No T sens.	110°C vent hole Ø2	7/16"	No	10 bar PRV 16 bar	Kv filling = 0.19 (ø3.3 mm) Max flow = 1.6 g/h	Max flow limitation related to the pressure regulator
	HTV	370.88.745	2" (frontal sealing)	9/16"	9/16"	Yes	24V, DT04-4P	DT04-2P	110°C vent hole Ø4	No	7/16"	30 bar PRV 40 bar	Kv filling = 0.19 (ø3.3 mm) Max flow = 1.6 g/h	Max flow limitation related to the pressure regulator
	HTV	370.88.830	2" (frontal sealing)	9/16"	9/16"	Yes	12V, AMP	AMP	110°C vent hole Ø4	3/8"	No	10 bar PRV 16 bar	Kv filling = 0.19 (ø3.3 mm) Max flow = 1.6 g/h	Max flow limitation related to the pressure regulator
	HTV	372.88.001	2" (frontal sealing)	9/16"	7/16"	Yes	High P. 24V, DT04-4P Low P. 24V, AMP	DTM04-2P	110°C vent hole Ø4	No	3/8"	1st stage 30 bar 2nd stage 13.5 bar No PRV	Kv filling = 0.19 (ø3.3 mm) Max flow = 1.6 g/h	Max flow limitation related to the pressure regulator
	HTV		1" 1/2 (radial sealing)	9/16"	9/16"	No	24V, AMP	AMP	110°C vent hole Ø4	No	9/16"	No	Kv filling = 0.19 (ø3.3 mm) Kv defueling = 0.15 (ø3 mm)	

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COMPLEMENTARY INSTALLATION TOOL

The tool is necessary to install the valve on the tank and apply the proper torque according to the user manual.
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