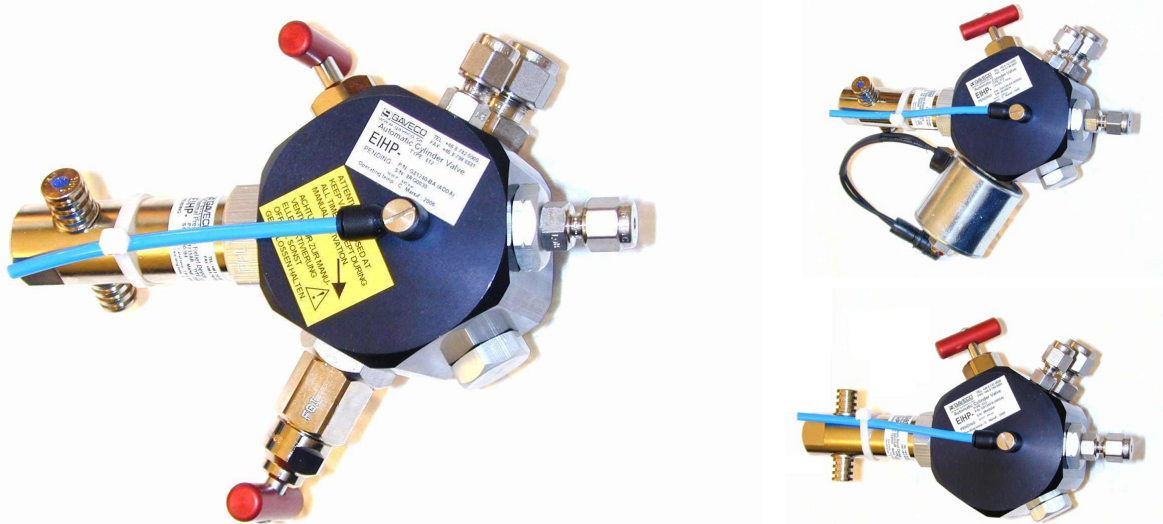




HYDROGEN MULTIFUNCTIONAL CYLINDER VALVE TYPE 812 & 813

The Type 812 and 813 tank valves are compact, multi-function valves intended for Hydrogen (H₂) gas operated vehicles; safety functions required by international authorities are provided for, e.g. EIHP-Draft Rev 12 (hydrogen) and received a statement report from TÜV-Saarland.

The valve has the following built in features: Common inlet and outlet, manual stop, thermal device for evacuation of gas at elevated temperatures (i.e. fire etc.), thread for direct connection to the gas cylinder, dual pipe fittings to the gas system and automatic activation of the pipe and/or hose rupture function at vehicle start-up.



Technical Data:

- Thread connection to the tank: 2"-12UN includes O-ring (standard*).
- Pipe connections to the vehicle main pipe and pilot pipe gas system: O.D. \varnothing 8 mm main pipe & \varnothing 3 mm pilot pipe (standard*).
- Pipe connection for the thermal evacuation: O.D. \varnothing 6 mm (standard*).
- Electrical connection for the activation of the pipe-and/or hose-rupture function:
 - Voltage: 24 alt. 12 V DC.
 - Maximum working pressure: 440 bar (6380 psig).
 - Working temperature range: -50°C to +85°C (-58°F to +185°F).

*) Based on order quantity, other thread & pipe dimensions are available on request.

EIHP- Draft Rev.12



All above specifications are standard and subject to change without notice

8BR028GB 0909:3



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