

H-IVL Series

2 MPa SOLENOID ISOLATION VALVE 2MPa电磁截止阀

Key Features

GFI's low pressure isolation valve family is rated for pressures up to 2 MPa(g) (290 psig) inlet pressure and carry's over proven solenoid technology from other products. Like all GFI products, these offer superior performance and industry renowned reliability. Valve bodies include mounting holes and 9/16 SAE inlet/outlet ports for easy system integration. Options include 12V or 24V coil and an integrated filter. Each valve is 100% functionally tested, Helium leak checked and serialized for complete traceability.

- Operating pressure up to 2 MPa (290 psi)
- Available in both 12 and 24 volt coils
- Fast response time
- High flow rate with low pressure drop
- Proven solenoid design
- Optional 40 micron filter

主要特性

GFI电磁截止阀系列产品的最大入口压力为2MPa，其设计基于其成功电磁阀技术。像所有GFI产品，该款产品性能好、可靠性高。阀体有固定孔和9/16 SAE进出接头，易于系统集成。有12V和24V线圈可选，集成滤清器。产品在出厂前都经过100%的功能测试和氦气测漏，产品完全可追溯。

- 最大工作压力为2Mpa；
- 支持12V和24V系统电压；
- 响应快；
- 流量大，压降小；
- 成熟电磁阀的设计技术；
- 可选40 μm滤清器。



Engineered to meet International Standards and Regulations

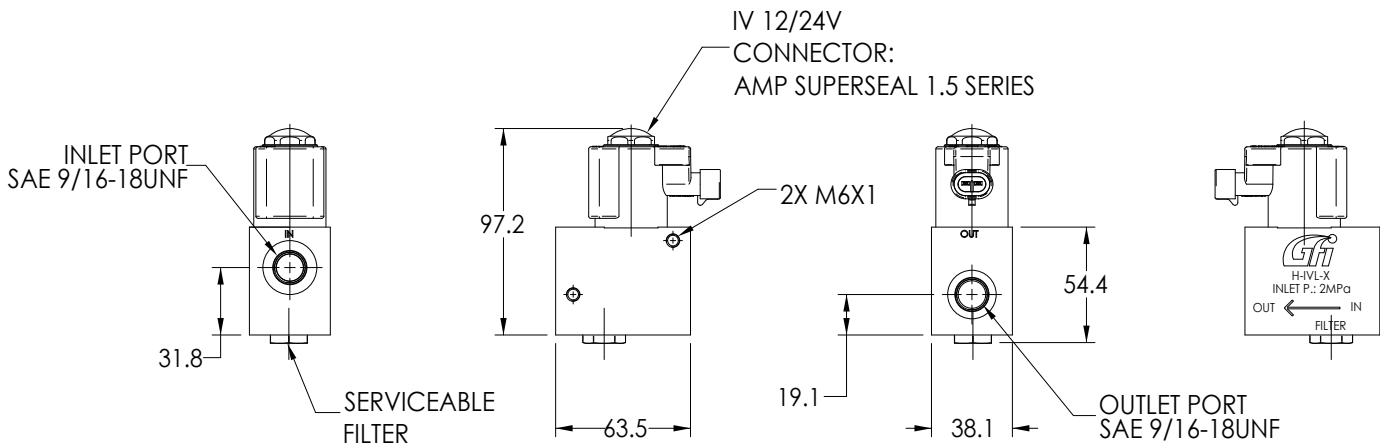
- Including ANSI HGV 3.1, ECE R134, EC 79/2009, and UN GTR No. 13.

All designs are subjected to rigorous qualification testing

- Including long-term endurance cycling, severe vibration, and accelerated cyclic corrosion.

SPECIFICATIONS 技术参数

| H-IVL - 2 MPa | | | |
|---------------------------------|--|--|---------|
| GENERAL INFORMATION 基本参数 | | | |
| APPLICATION 应用 | Inline low pressure isolation valve 低压电磁切断阀 | | |
| BODY MATERIAL 机体材料 | Machined Aluminum, anodized MIL-A-8625 铝 | | |
| FUEL TYPE 燃气类型 | Compressed Natural Gas, Hydrogen | | |
| PERFORMANCE 性能 | | | |
| RESPONSE TIME 反应时间 | <60 ms @ 1MPa (g) inlet pressure | | |
| BURST PRESSURE 爆破压力 | >2.5 x working pressure >2.5倍工作压力 | | |
| OPERATING 最大工作压力 | 2 MPa (g) (290 psig) | | |
| WORKING TEMPERATURE 工作温度 | -40°C to 120°C (-40°F to 248°F) | | |
| ELECTRICAL 电气 | Coil model 线圈型号 | 12 V | 24 V |
| | Resistance at 20°C +/- 5% | 10.6 ohms | 44 ohms |
| | Connector 12/24 V 线圈接插件 | AMP Super Seal 1.5 series, male, 2 way | |
| FLOW 流量 | > 5 g/s hydrogen (@ 20°C) | | |
| OPTIONS 选项 | 40 micron filter, pressure sensor ports, defuel valve/port | | |



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