



2 MPa & 35 MPa

Solenoid Isolation Valve

Isolation Valves



GFI's low pressure and high pressure isolation valve family are rated at 2 MPa (g) and 35 MPa (g) inlet pressure and carry's over proven solenoid technology from other products. Like all GFI products, these offer superior performance and industry renowned reliability.

Each valve is 100% functionally tested, Helium leak checked and serialized for complete traceability.

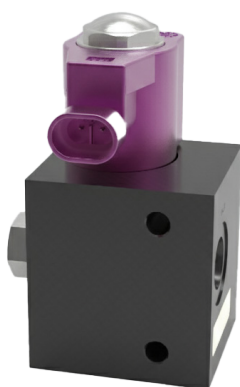


DESIGN

- Low pressure 2 MPa(g) and high pressure 35 MPa(g)
- Compact solenoid valve design for system versatility
- 9/16 SAE inlet/outlet ports for seamless integration
- Includes mounting holes for easy installation
- Optional 40 micron integrated filter for added protection

PERFORMANCE & OPTIONS

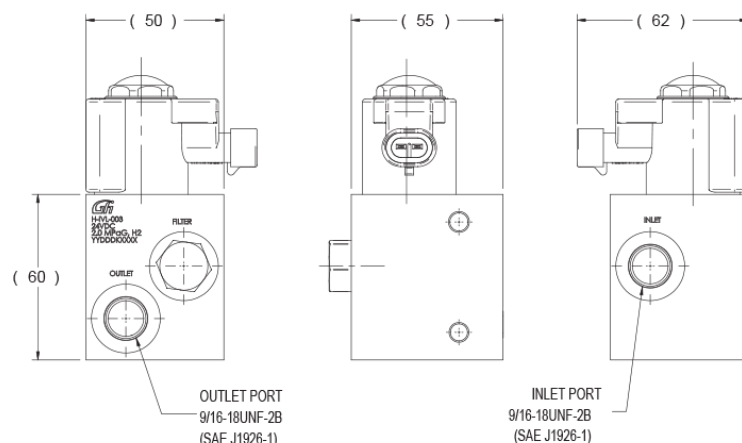
- Proven solenoid architecture ensures reliable actuation
- High flow capacity with low pressure drop characteristics
- Helium leak checked and serialized for traceability and quality assurance
- Available with 12 V or 24 V coils for OEM system flexibility
- Compatible with a wide range of hydrogen fuel system architectures



SPECIFICATIONS

	H-IVL	H-IV35
GENERAL INFORMATION		
APPLICATION	Inline pressure isolation valve	
BODY MATERIAL	Machined Aluminum, anodized	
FUEL TYPE	Hydrogen	
PERFORMANCE		
NOMINAL WORKING PRESSURE	2 MPaG	35 MPaG
MAX WORKING PRESSURE	25 MPaG	43.8 MPaG
WORKING TEMPERATURE	-40 °C to 85 °C (-40 °F to 185 °F)	
Cv - FLOW RATE	0.75	0.49
ELECTRICAL		
COIL NOMINAL VOLTAGE	12 V	24 V
NOMINAL COIL RESISTANCE AT 20 °C	10.5 Ω	44 Ω
COIL NOMINAL POWER AT 20 °C	13.7 W	13 W
CONNECTIONS		
SOLENOID	Mating connector: AMP Superseal 1.5, 2 pin; 282080-1	
INLET/OUTLET PORT TYPE	9/16-18 UNF-2B; others possible	
OPTIONS	A) Filter; B) Pressure sensor port	

H-IVL



H-IV35

