

# For non-traditional, extreme applications

*Designed to adapt to your requirements;  
customize yours today*



**Epoxy-filled,  
powder-coated housing**

Stands up to arctic frost, sandstorms  
or moisture condensation



**Customer-specified elastomers**

Whether it's ammonia, beer, shop air or sour gas;  
Gems can outfit your valve with the elastomer you need



**Stainless steel or brass construction**

Optimize for corrosion resistance  
or cost with brass, 303SS & 316SS  
standard options

**Limitless body configurations**

Select manifold mount, 1/8" & 1/4" NPT standard catalog  
configurations, or we can help to realize your own



# Why is a Gems Latching Valve Right for Your Unique Application?



### Plunger Lift

- Field-proven construction
- Optional CSA compliant diode pack



### Gas Analyzers, Monitors & Detectors

- Wetted materials that won't outgas
- Zero volumetric change of gas as it passes through

## MAGNETICALLY LATCHING SOLENOID VALVE



### Pressure Decay Testers

- Bubble Tight
- Zero volumetric change of gas as it passes through



### Portable Test Equipment

- Maximize your battery life
- Withstand any drop test



### Beer Dispensing

- NSF Compliant construction
- Zero coil heat keeps the beer cold
- Orifice sizes match your beer line to minimize foaming

## Magnetically Latching Solenoid Valve Competitive Advantages

- ✓ **Industry-leading cold temperature operation** – Unlatch at temperatures below -40°C
- ✓ **Superior media compatibility** – Multiple seals and body materials available
- ✓ **Withstands the elements** – Epoxy-filled, powder-coated housing keeps mother nature away from the electrical
- ✓ **Flexible design** – Vertically-integrated machining, coil winding, assembly & testing ensures you can spec what you need
- ✓ **Certification-ready with optional:**
  - Class 1 divs 1 & 2 compliant diode pack
  - NSF & FDA compliant materials
  - Cleaning for oxygen service

## Magnetically Latching Solenoid Valve Standard Options

- ✓ **Power Requirements**
  - 6, 12 & 24 VDC
  - Positive or negative pulsing
  - With or without diode packs
- ✓ **Body Materials**
  - Brass
  - 303 Stainless Steel
  - 316 Stainless Steel
- ✓ **Seal Materials**
  - Viton
  - Nitrile (Buna-N)
  - Hydrin
  - Perfluorelastomer
- ✓ **Port Fittings**
  - 1/8" Female NPT
  - 1/4" Female NPT
  - 5/16" Center Stud Manifold Mount
  - Without body (mounts directly into your manifold)

Visit [GemsSensors.com](http://GemsSensors.com) to view our full range of solenoid valves or to inquire on custom solutions.



D Series  
High Flow Solenoid Valves



M Series  
Miniature Solenoid Valves



Custom Solutions



OUR EXPERIENCE • YOUR SOLUTION

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