



Appliance Controls

L Series Gas Solenoid Valves

This newly Designed Gas solenoid valve employs the latest technology to bring one of the most durable, efficient and reliable products to the market whilst still being extremely cost effective. The body is constructed from a specialised aluminium alloy to provide both strength and function, whilst keeping weight to a minimum. The exterior surface has been anodised to protect it from corrosion and help keep the sealing surfaces well formed for years to come. The coil has been designed so that there are no external exposed brackets. All of the steel components have been over encapsulated so there is no potential for corrosion. The solenoid encapsulation material is made from Glass filled Nylon. This is one of the most highest strength plastic materials available. This not only makes the solenoid rugged but also maintains its structural integrity with temperatures up to 150°C.

The valve also employs our high lift plunger design. This allows the plunger to retract around 5mm in the open state instead of the traditional designs which allow around 2mm at best. This ensures that the flow through path experiences the most minimal of restrictions when the valve is open.

The bodies can be configured for specific OEM customer requirements

Design Features

- Normally closed Solenoid
- Industry Standard Compatible
- Standard 0.25" QC Terminals
- Inlet Filtered, Stainless Steel Mesh Screen
- 100,000 cycles of operation
- Gas : Natural, manufactured. Mixed LP, and LP/air mixtures
- Optional, mounting bracket available

SPECIFICATIONS

Thread connection method

Can be configured to customer requirement

Electrical connection method

2 x standard 0.25" QC terminals.
Leaded configurations are also available

Solenoid Coil Voltages

Coil voltages can be configured to customer requirements

Ambient Conditions

-40°C to 135°C

Relative Humidity

0% to 95%

Capacity

120,000 BTU/HR

Maximum Pressure

6 kPa

Resistance to Fire

Rated to UL94 V0 and/or Glow wire IEC 695-2-1, 960°C

Resistance to arc tracking

More than 5KV

Opening and closing response times

Less than 0.5 sec

For further information please contact our head office :

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