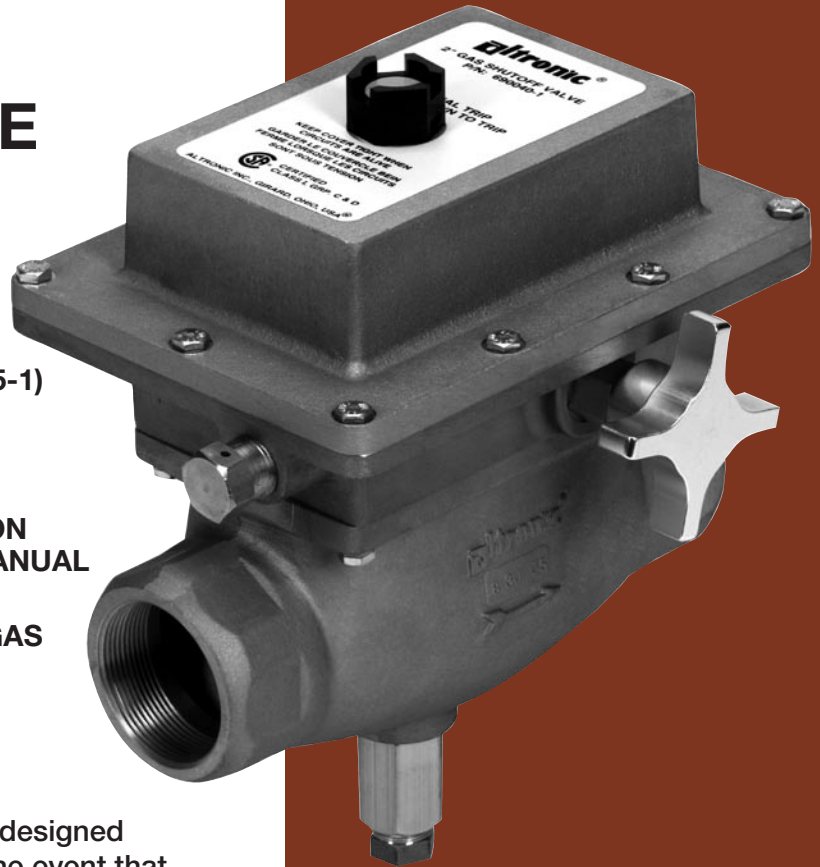




## GAS SHUTOFF VALVE GSV SERIES

- FOR NATURAL GAS FUELED ENGINES
- TWO MODELS AVAILABLE:  
CD IGNITION POWERED (690040-1)  
12-24 VDC POWERED (FAILSAFE) (690045-1)
- SIMPLE, DIRECT-ACTING VALVE  
LATCHING MECHANISM FOR IMPROVED  
RELIABILITY AND EXTENDED SERVICE
- UNIQUE, HIGHLY-VISIBLE VALVE POSITION  
INDICATOR CAN ALSO BE USED AS A MANUAL  
STOP BUTTON
- DIRECTLY REPLACES TRADITIONAL 2" GAS  
SHUTOFF VALVES, INCLUDING THE M50
- CSA CERTIFIED FOR USE IN CLASS I,  
DIVISION 1 AND 2, GROUPS C AND D  
HAZARDOUS AREAS



The Altronic GSV-series Gas Shutoff Valve is designed to automatically interrupt the flow of fuel in the event that an engine or process fault is detected by a supervisory safety shutdown system such as the Altronic DD or DE-series annunciator/controllers.

Two models are available:

**CD IGNITION POWERED (690040-1)** is opened manually, is held open mechanically and draws no electrical power. The valve closes when its internal coil is energized by a pulse from a shutdown system.

**12-24 VDC POWERED (FAILSAFE) (690045-1)** is opened manually and held open electromechanically. It uses a voltage regulator circuit to keep current draw independent of the DC voltage applied and to a low 0.25 amps maximum in the energized (open) mode. The valve closes when its internal coil is de-energized by a shutdown system.

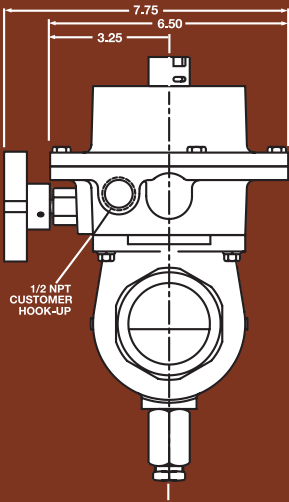
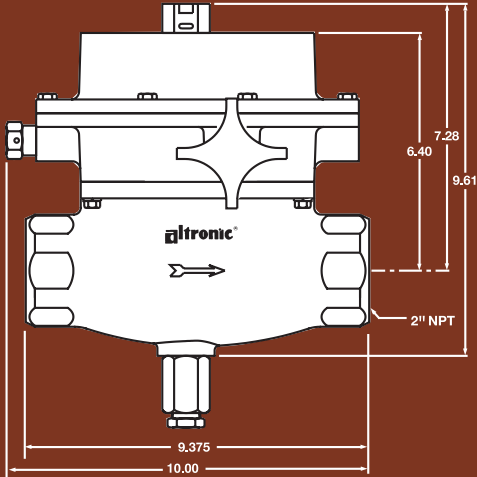
An external indicator shows whether the valve is open or closed. The valve has a positive closure and vents gasses after shutdown. Mounted on the top of the valve body, this indicator button can also be used as a manual stop to close the valve and stop the flow of fuel to the engine. An internal micro-switch which actuates on shutoff can be used for remote indication of fuel status or for other purposes.

The GSV can be safely used in hazardous areas with suitably approved safety shutdown and control systems, including all Altronic annunciators. The GSV features an industry-standard body size and thread specifications, and can be used as a replacement for existing gas shutoff valves, such as the M50.



C US  
CLASS I, DIVISION 1 AND 2,  
GROUP C AND D

## DIMENSIONS



## SPECIFICATIONS

INLET/OUTLET CONNECTIONS ..... 2" NPT FEMALE

### POWER REQUIREMENT

CD IGNITION (690040-1)..... 100-400 VDC

DC POWERED (690045-1) ..... 12-24 VDC, 0.25 AMPS MAX.

HAZARDOUS AREA RATING ..... CLASS I, GROUPS C&D,  
DIV.1 AND 2

GAS WORKING PRESSURE ..... 100 PSIG MAX.

AMBIENT TEMPERATURE RANGE .... -40°F TO +185°F

SWITCH CONTACTS ..... SPDT (N/O, COMMON, N/C)  
0.5 AMPS AT 125 VDC  
4.0 AMPS AT 125 VAC

## TO ORDER

GAS SHUTOFF VALVE, CD IGNITION POWERED..... 690040-1  
GAS SHUTOFF VALVE, DC (FAILSAFE) POWERED ..... 690045-1

**altronic<sup>®</sup>**  
**inc.**

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