Fuel Gas Shut-Off Valves

FGSV Series · Mechanical float-operated shutoff · 250 psi max. working pressure



OVERVIEW

The Trilogy FGSV Series is a mechanical, automatic shutoff for fuel gas systems. A stainless steel float rises with the liquid level, and when it reaches a preset point the valve closes off fuel gas flow, protecting burners and related equipment from liquid carryover.

KEY FEATURES

- Mechanical, power-free operation
- Simple, maintenance-friendly design
- For fuel gas scrubbers, gas production units, indirect line heaters and heater treaters

SPECIFICATIONS

Operation	Mechanical float, no power required
Vessel Connection	2"
Outlet Connection	1"
Float	2" x 12" stainless steel (standard)
Seat	Nitrile
Temperature Range	-20°F to 150°F (-29°C to 66°C), nitrile seat
Max. Working Pressure	250 psi

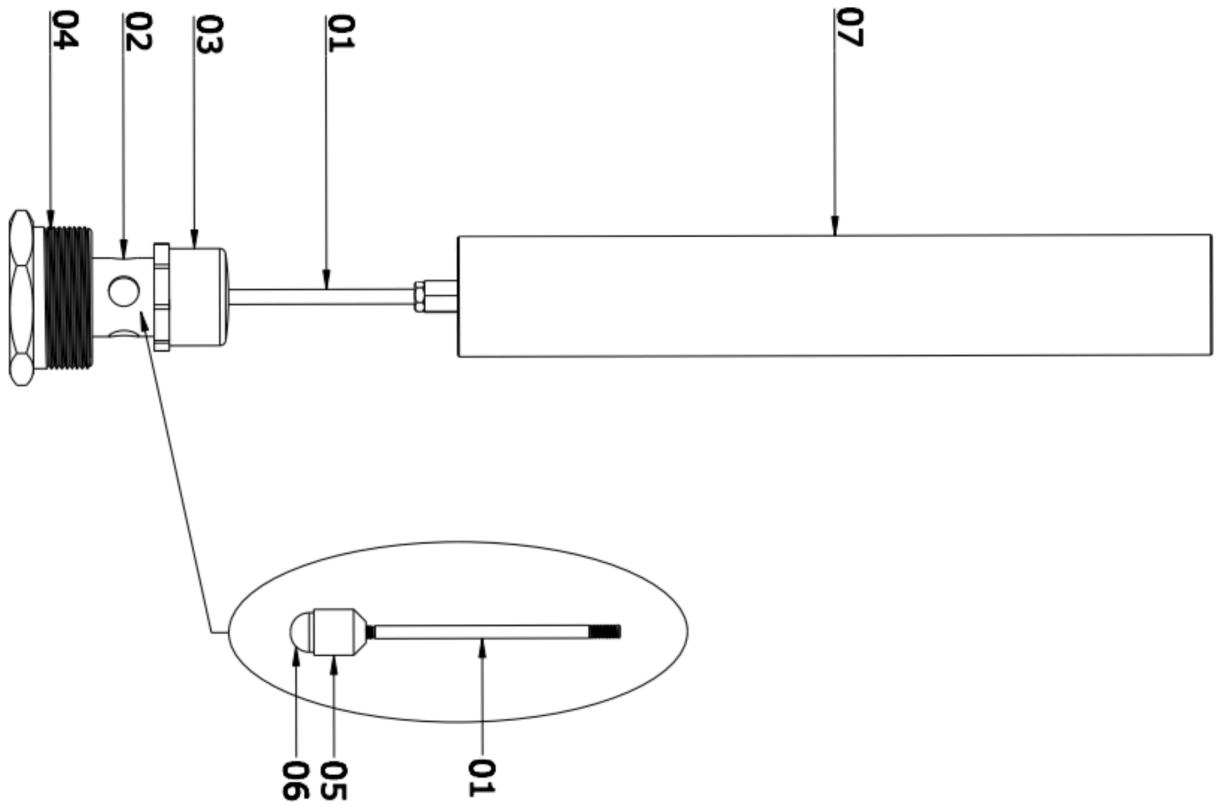
MODEL OPTIONS

Model	Float Size	Float Material
FGSV-212	2" x 12"	Stainless steel
FGSV-210	2" x 10"	Stainless steel

Model code: FGSV (Fuel Gas Shut-Off Valve series) + float code. Other float sizes available on request.

What to include in your request: model (float size), vessel and outlet connection details, operating pressure and temperature, and quantity.

PARTS DIAGRAM



Detail view shows the stem, shaft and seat assembly inside the body. Not to scale.

PARTS LIST

No.	Part	Material
01	Stem	Stainless steel
02	Body	Aluminum
03	Cap	Nylon
04	Connection bushing	Stainless steel
05	Shaft	Nylon
06	Seat	Nitrile
07	Float	Stainless steel

HOW IT WORKS

The valve threads into the vessel through the 2" connection bushing with the float inside the vessel. Under normal operation, fuel gas passes through the body to the 1" outlet.

If the liquid level rises to the preset point, the float lifts and drives the stem and nitrile seat closed, shutting off fuel gas flow to the burner.