

GV-S60 Battery Operated Latching Solenoid Valve

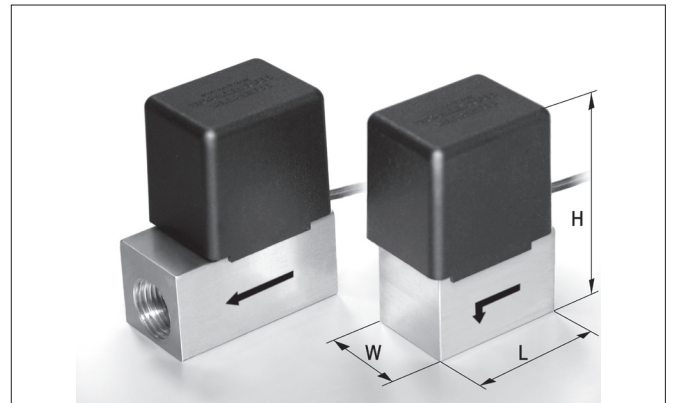


SPECIFICATIONS SHEET

DESCRIPTION

The GV-S60 is a battery operated latching solenoid valve for controlling two burner applications. Both burners must have flame supervision from the same pilot source (one ignition source for both burners). It is for use on hearth products that incorporate a separate, decorative burner and are controlled by Mertik Maxitrol's GV60 electronics.

When the latching solenoid valve is attached to the GV60 main burner outlet, the main burner can be switched OFF while the decorative burner remains ON. If the latching solenoid valve is attached to the side outlet or bottom outlet (CE only), the decorative burner can be switched OFF while the main burner remains ON and adjustable.



GV-S60

SPECIFICATIONS		Straight		90°	
		CSA	CE	CSA	CE
Capacity	Btu/hr at a pressure drop of 1" W.C.	45,000 Btu/hr*			
	m³/h air at 2.5 mbar pressure drop	1 m³/h			
Maximum operating inlet pressure		1/2 psi (34.5 mbar)	50 mbar (20" w.c.)	1/2 psi (34.5 mbar)	50 mbar (20" w.c.)
Ambient temperature Range		0°C to 80°C (32°F to 176°F)			
Gas inlet connection		3/8" NPT	Rp 3/8 - ISO 7/1	3/8" NPT	Rp 3/8 - ISO 7/1
Gas outlet connection		3/8" NPT	Rp 3/8 - ISO 7/1	1/8" NPT	M12x1 for 8 mm tube
Overall Height		2.4" (60 mm)			
Length		1.93" (49 mm)	2.01" (51 mm)	1.46" (37 mm)	1.46" (37 mm)
Width		1" (25 mm)			
Maximum allowed torque inlet		280 inch-pounds	35 Nm	280 inch-pounds	35 Nm
Maximum allowed torque outlet		280 inch-pounds	35 Nm	170 inch-pounds	20 Nm
Mounting Position		Any			
Part number		GV-S60B/...	GV-S60C/...	GV-S60B90/...	GV-S60C90/...
Bending Torque		Group 2 according to EN 1106			
Number of Operations		Class C according to EN 1106			
Fuels		CE: Suitable for use with gases of EN 437 gas family 1, 2, and 3. CSA: Suitable for use with natural, manufactured, mixed and propane (LP) gases and LP gas-air mixtures.			

*The capacity is based on Natural gas having a heating value of 1.000 Btu per cu. ft., and a specific gravity of 0.64.

GAS FLOW OPERATION

Motorized Valve	Solenoid Valve	Main Burner	1. Decorative burner on 1/8" (ZAMIN)	2. Decorative burner on 3/8" outlet (CE only)
OFF	OFF	OFF	OFF	OFF
	ON	OFF	OFF	OFF
LOW	OFF	OFF	HIGH	LOW
	ON	LOW	HIGH	LOW
HIGH	OFF	OFF	HIGH	HIGH
	ON	HIGH	HIGH	HIGH