

# VGA10

## Gas Solenoid Valve



The VGA10 series of compact solenoid valves is ideal for diverse applications to gas combustion systems in a variety of fields, and can be used with natural, city, LPG and other gases, as well as air.

This valve meets the stringent UL, FM, AGA and CGA standards.

### Specifications

Applicable gas	City gas, natural gas, LP gas	
Body material	Aluminum die-cast	
Valve disk material	NBR	
Opening/closing time	Opening: 10ms, Closing: 10ms	
External leakage	7cc/h (air volume) max. at 160kPa	
Pressure resistance	16kPa	
Life	1,000,000 cycles	
Pipe size	Rc 3/8	
Max. operating pressure	105kPa	
Operating mode	Direct operation type, Normally "closed"	
Orifice dia.	φ9.5mm	
Cv factor	1.3	
Gas flow rate Nm <sup>3</sup> /h	2.0 (at 0.64 specific gravity, 25mmH <sub>2</sub> O differential pressure)	
Power consumption	8W	
Electrical connection type	Lead wire type	G 1/2 conduit with 450mm lead wire
	Terminal box type	G 1/2 conduit with terminal box M4 screw
Insulation type	F type	
Ambient temperature	-20 to +60°C	
Ambient humidity	90%RH max. at 40°C	
Cover material	SPCC (cold rolled steel plate)	
Weight	VGA103FJ: 0.34kg	VGA103FJ-TB: 0.34kg
	VGA103KJ: 0.43kg	VGA103KJ-TB: 0.43kg
Mounting	With coil upward	

### Selection Guide

Model No.	Power supply	Electrical connection
VGA103FJ	100Vac, 50/60Hz	Lead wire
VGA103FJ-TB		Terminal box
VGA103KJ	200Vac, 50/60Hz	Lead wire
VGA103KJ-TB		Terminal box

### Dimensions

(unit:mm)

