

Diaphragm Gas Valves

V48J; V88J High Temperature Diaphragm Gas Valves



Solenoid-operated diaphragm valves provide slow opening and fast closing for controlling fuel gases.

- Close firmly with diaphragm that is both weight and spring loaded.
- Close on power failure; recommended for final shutoff service.
- Set opening time with various sized bleed orifices or adjustable bleed valve.
- Use with LP, natural or manufactured gases.
- Made with cast aluminum in straight-through valve pattern.
- Optional valve position indicator available for 1-1/4 in. and larger valves.

Dimension Diagrams

See diagram on page 739

Body Material: Aluminum

Electrical Terminations: 6 in. Leadwires

Frequency: 50 Hz, 60 Hz

Ground terminal: Yes

Mounting Type: Upright (horizontal)

Temperature Ratings: 32 F to 150 F (0 C to 66 C)

Pressure Ratings: 1/2 psi (3.4 kPa)

Pilot Tapping: 1/8-27 NPT

Power Consumption: 15 VA max, 9 W

Valve pattern: Straight-through

Approvals:

Canadian Standards Association: Certificate No. 158158-2500005576 (Z21.21-CSA 6.5)

Underwriters Laboratories, Inc: File No. MH1639, Guide No. YIOZ

Capacity:

	AGA Certified 1.0 in. pd Natural Gas cfh	m ³ /hr
3/4 in.	668 cfh	18.9 m ³ /hr
1 in.	1021 cfh	28.9 m ³ /hr
1 1/4 in.	2100 cfh	59.5 m ³ /hr
1 1/2 in.	2400 cfh	67.9 m ³ /hr
2 in.	4178 cfh	118.3 m ³ /hr

Current (max amps at rated Vac/Hz):

V48J	0.13 amps, 0.10 amps
V88J	0.62 amps

Accessories:

See chart on page 745

Product Number	Pipe size (in.)	Type of Gas	Bleed Tapping	Power Supply (Vac)	Valve Closing Time	Valve Opening Time	Replacement Parts
V48J1005	3/4 in.	LP, natural, or manufactured	1/8-27 NPT	110 Vac, 120 Vac	1 sec max	5 sec max	139937 Coil
V48J1013	1 in.	LP, natural, or manufactured	1/8-27 NPT	110 Vac, 120 Vac	1 sec max	5 sec max	139937 Coil
V48J1021	1 1/4 in.	LP, natural, or manufactured	1/8-27 NPT	110 Vac, 120 Vac	1 sec max	5 sec max	139937 Coil
V48J1039	1 1/2 in.	LP, natural, or manufactured	1/8-27 NPT	110 Vac, 120 Vac	1 sec max	5 sec max	139937 Coil
V48J1047	2 in.	LP, natural, or manufactured	1/8-27 NPT	110 Vac, 120 Vac	2 sec max	5 sec max	139937 Coil
V88J1006	1 in.	LP, natural, or manufactured	1/8-27 NPT	24 Vac	1 sec max	5 sec max	118888 Coil
V88J1022	1 1/4 in.	LP, natural, or manufactured	1/8-27 NPT	24 Vac	1 sec max	5 sec max	118888 Coil