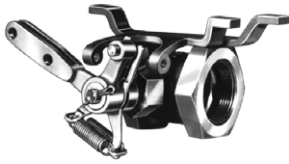


Firing Rate Gas Valves

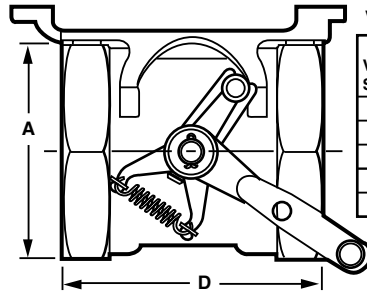
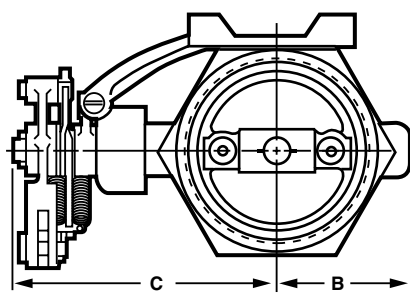
V51E Butterfly Gas/Air Valve



Provides modulating control of natural, manufactured, LP gases or air.

- Use in commercial and industrial installations where large amounts of gas must be closely controlled. NOT for use as safety shutoff valve.
- Adaptable to most modulating jobs.
- Modutrol motor, such as the M9484 or M9494, may be mounted directly on valve or close to it.
- Valve mechanism has strain release.
- Adjustable stroke over low fire-high fire range.
- Straight-through valve pattern.
- Rugged cast aluminum body provides durability and maintenance-free operation.

Dimension Diagrams



V51E DIMENSIONS

VALVE SIZE (in.)	A ¹		B ¹		C ²		D ¹	
	in.	mm	in.	mm	in.	mm	in.	mm
1 1/2	2 21/32	67.5	1 9/16	39.7	4 1/4	108.0	3 1/32	77.0
2	3 5/32	80.2	1 13/16	46.0	4 1/4	108.0	3 17/32	89.7
2 1/2	3 27/32	97.6	2 5/16	58.7	4 13/16	122.2	4 23/32	119.9
3	4 1/32	102.4	2 25/64	60.7	5	127.0	4 23/32	119.9
4	5 21/64	135.3	3 5/32	80.2	5 3/8	136.5	5 17/64	133.8

¹ MAXIMUM DIMENSIONS.

² NOMINAL DIMENSIONS.

M9532

Body Material: Aluminum

Valve pattern: Straight-through

Mounting: Motor shaft horizontal

Temperature Ratings: 32 F to 140 F (0 C to 60 C)

Approvals:

Underwriters Laboratories, Inc: File no. MH5968 Vol. 1 Sec. 1, Guide no. MHKZ

Accessories:

Q100B1006 Linkage- Connects Modutrol motor to V51E Butterfly Valve.

Product Number	Type of Gas	Capacity		Pipe Size		Pressure Ratings	
		cfh	m ³ /hr	(inch)	(mm)	(psi)	(kPa)
V51E1000	Air, natural, manufactured, and LP	4200 cfh	118.9 m ³ /hr	1 1/2 in.	38 mm	5 psi	34.5 kPa
V51E1018	Air, natural, manufactured, and LP	9210 cfh	260.7 m ³ /hr	2 in.	51 mm	5 psi	34.5 kPa
V51E1034	Air, natural, manufactured, and LP	8390 cfh	199.8 m ³ /hr	2 1/2 in.	64 mm	5 psi	34.5 kPa
V51E1059	Air, natural, manufactured, and LP	14640 cfh	414.5 m ³ /hr	3 in.	76 mm	5 psi	34.5 kPa
V51E1075	Air, natural, manufactured, and LP	33000 cfh	934.2 m ³ /hr	4 in.	101 mm	5 psi	34.5 kPa

Firing Rate Gas Valve Parts

OS Number	Description
127413	Bracket for 2 in. V51E butterfly valve for use with Modutrol Motor
127415	Bracket, 2-1/2 in. For V51E for use with Modutrol Motor
32003396-001	V51E mounting bracket for 1-1/2 in. And 2 in. Valves for use with ML7999 actuator.
32003396-002	V51E mounting bracket for 2-1/2 in. - 4 in. Valves for use with ML7999 actuator.
4074EJU	Bag Assembly inclding mounting bracket for V51E1216
49085B	Strain Release Assembly for V51E
15271/0021	Toggle for V51E.
16350/0021	Actuating pin for V51E
16351/0021	Pin relief operating arm for V51
49084/0021	Adjusting arm for V51E.
49087/0638	Spring for V51E.
49090/0020	Yoke pin-for mounting actuating arm to linkage V51E
49095/0021	Steel washer for V51E
80897BC/0021	Stop screws for stop bracket for V51E. Two required.