

Combustion Control Equipment | Emergency Automatic Shutoff Valves | Valves, Gas Safety Shutoff, Automatic Opening, Electric Opening and Holding

Series MBE

Product Description ▼

Series	Valve Body	Valve Actuator	Type	Nominal Pipe Size, inch (mm)	Rated Working Pressure, bar (psi)	Remarks
MBE	VB(-050,-2L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	1, 1-1/4, 1-1/2, 2 (25, 32, 40, 50)	0.6 (8.7)	a, b, c
MBE	VB(-065,-2 1/2L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	2-1/2 (65)	1 (15)	a, b, d
MBE	VB(-080,-3L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	3 (80)	1 (15)	a, b, d
MBE	VB(-100,-4L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	4 (100)	1 (15)	a, b, d
MBE	VB(-125,-5L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	5 (125)	1 (15 psi)	a, b, d
MBE	VB(-150,-6L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	6 (150)	1 (15)	a, b, d
MBE-S	VB(-065,-2 1/2L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	2-1/2 (65)	1 (15)	a, b, d, e
MBE-S	VB(-080,-3L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	3 (80)	1 (15)	a, b, d, e
MBE-S	VB(-100,-4L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	4 (100)	1 (15)	a, b, d, e
MBE-S	VB(-125,-5L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	5 (125)	1 (15 psi)	a, b, d, e
MBE-S	VB(-150,-6L)	VD(-V,-R) (AC, DC) (-POC)	Normally Closed	6 (150)	1 (15)	a, b, d, e

Remarks:

- a. Operating Ambient Temperature Range: -40° F (-40° C) to 150° F (66° C)
- b. Actuator Voltage Rating: 24 VDC or 100-240 VAC
- c. Threaded end connections
- d. Flanged end connections
- e. Approved with only one actuator

Details

Category	Valves, Gas Safety Shutoff, Automatic Opening, Electric Opening and Holding
Class of Work	7400 - Safety Shutoff Valves (SSOV)
Approval Standard	FM 7400 - Liquid and Gas Safety Shutoff Valves
Certification Type	FM Approved
Listing Country	United States of America

Additional Info ▼

Gas Safety Shutoff Valves

A gas safety shutoff valve is installed in the supply piping to the main and pilot burners of gas-fired equipment to shut off the gas during idle periods or if various unsafe operating conditions exist.

A gas safety shutoff valve is held open either by electric energy or by gas or air pressure. It is self-closing within five seconds after the holding medium (electric or pressure) is cut off. The valve can be opened, either manually or automatically, only after the holding medium is applied. An FM Approved valve is suitably enclosed and cannot be readily bypassed or blocked in the open position. Valves which provide a proof-of-closure switch to permit supervision of their closed position (valve seal over-travels to actuate an interlock) are shown by a †† following the model designation(s). This feature may be either standard or an optional accessory.

Strainers are advisable in the inlet piping, as close as practicable to these valves.

When ordering, specify the actual condition for each of the items in the table below. Specify voltage and frequency of power supply, maximum pressures to be encountered, desired opening and tripping pressures, and any unusual temperature, corrosive atmosphere or dust condition in the vicinity.

Except as noted, valves listed are suitable for manufactured, natural or LP-Gas. Where other gases are involved, FM Approvals should be consulted.

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Company

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