

## MGVB Series Master Gas Valve Boxes for Natural Gas & LP Gases

### SPECIFICATION



### Key Features

#### Piano Hinge

- Full range of motion is 180°
- Stainless steel construction for greater corrosion resistance

#### 16-Gauge Stainless Steel Door Option

- Easy to clean and maintain
- Stainless steel for greater corrosion resistance
- Extremely sturdy and great impact resistance

#### Door with Window Option

- Sturdy 1/4" [6 mm] polycarbonate window
- The valve is visible without opening the door

#### Pre-punched Holes for Field Installation

- Slotted holes are pre-punched on both top and bottom of the back box

#### Key Cam Door Lock

- Prevents tampering
- Accessible to authorized personnel only

#### Pre-installed Ball Valve

- The pre-installed ball valve option includes two pipe holders, the ball valve, two pipe nipples and the enclosure pre-punched
- Ball valves are UL and CSA approved for natural and LP gas service

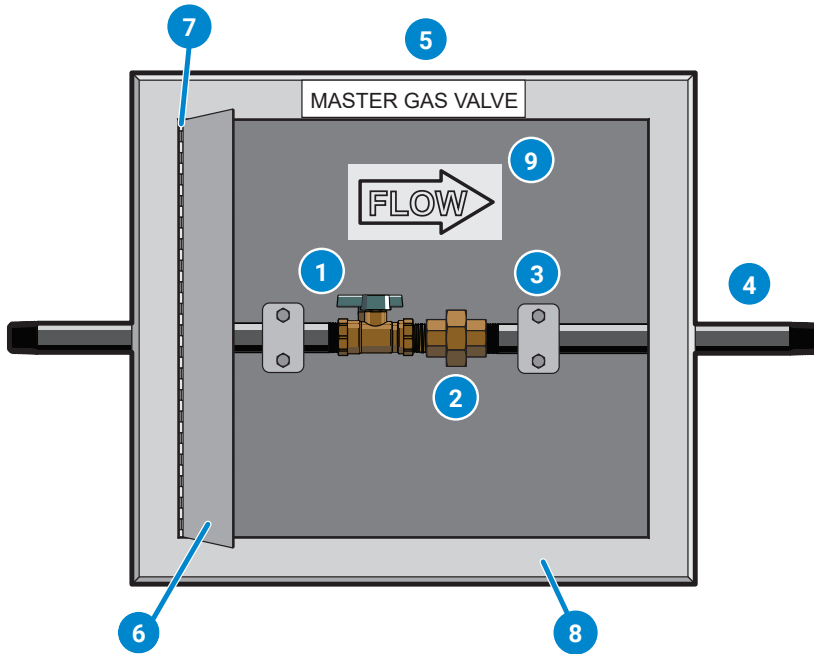


*EMPTY, Solid Door option shown*  
*Note: The Empty MGVB option does not include a pre-punched hole for the valve assembly, only the top and bottom installation holes.*

Materials [Enclosure Only]	
Door	Type 304 16-gauge Stainless Steel
Hinge	Stainless Steel
Rough-In (Back Box)	Spot-welded 16-gauge Type 304 Stainless Steel
Optional Window	Acrylic - 1/4" [6 mm] thick

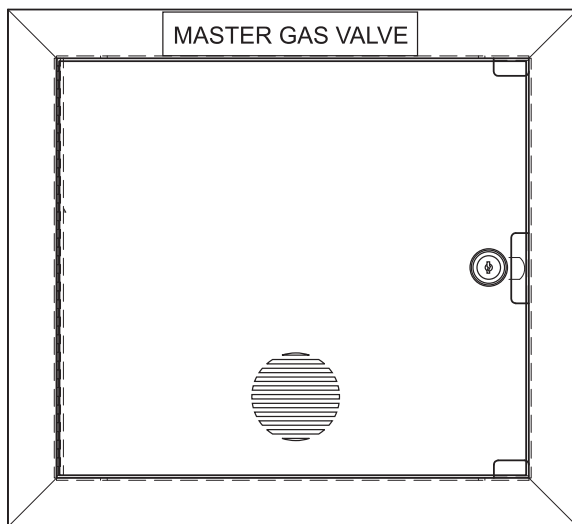
## Standard Configuration

Model shown is 1/2" Hand Operated Ball Valve

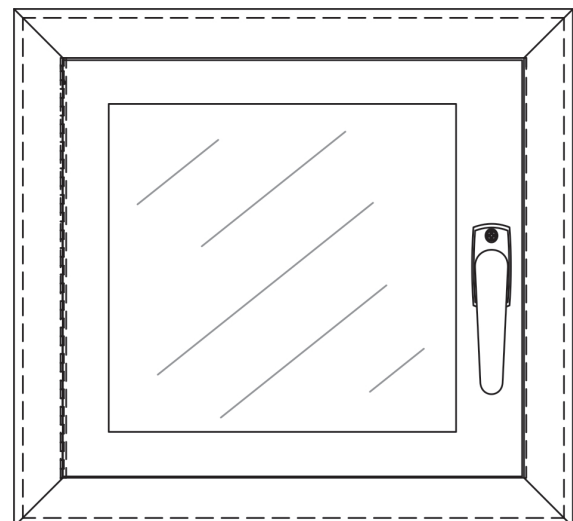


- 1 Hand Operated Brass Ball Valve
- 2 Brass Pipe Union
- 3 Pipe Holder
- 4 Steel Pipe Nipple
- 5 Master Gas Valve Sticker
- 6 Solid Stainless Steel Door
- 7 Stainless Steel Piano Hinge
- 8 Stainless Steel Wall Frame
- 9 Flow Direction Sticker

## Door Style Options



**Solid Door with Louver with Keyed Door**

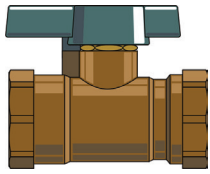


**Windowed Door with L-Handle Cam Latch**





## Standard Components - Valves and Related Fittings

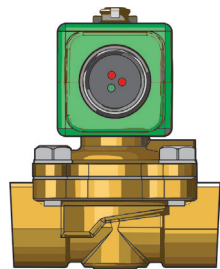
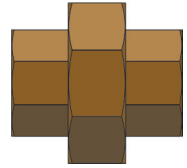


### 1/4-Turn Ball Valve

- Brass body with Chrome-plated ball
- Compact Design
- Available in: 1/2", 3/4" and 1" F. NPT
- T-Handle, to prevent accidental shutoff
- *Note-For larger sized ball valves, the T-Handle is replaced with a standard lever*
- UL and CSA listed for natural gas, propane & butane

### Pipe Union

- Brass Construction
- Hexagonal design
- Available from 1/2" up to 3" F.NPT
- Maximum Working Pressure: 200 psig



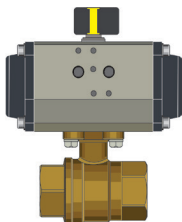
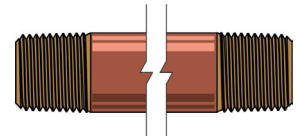
### Solenoid Valves [ELECTRIC\*]

- Brass or Aluminum Construction
- Voltage: 24 VAC, 120 VAC, 240 VAC
- Available from 1/2" up to 2" F.NPT
- Working Pressure: Model Dependant
- Rated as safety Shutoff Valve

*\*Require NEMA 7 field electrical connection*

### Pipe Nipple

- Steel (standard) or Brass Construction
- Available from 1/2" up to 3" NPS, threaded both ends
- Schedule 40



### Air Actuated Ball Valve\*\*

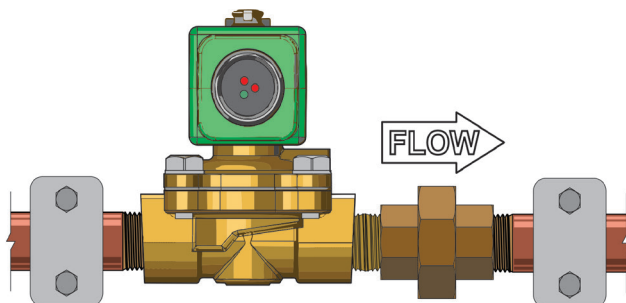
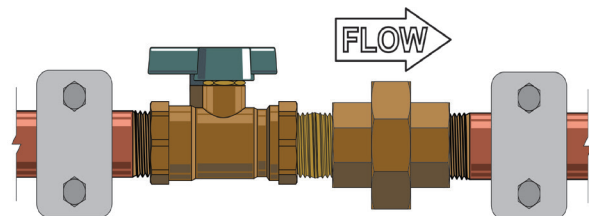
- Brass Construction
- Air Required: 90 psig (approx.)
- Available from 1/2" up to 2" F.NPT
- Working Pressure: 300 psig
- Fail closed when not energized

*\*\*No electrical connection required*

### **IMPORTANT**

**The valve selection will greatly vary upon the size selected. The final design will be provided with the submittals package.**

## Examples



### Hand Operated Ball Valves

Hand operated ball valves are primarily suitable to isolate gas supply in a building or a section of a building. They can be used to manually shut off the gas supply in case of emergency. The valves and related fittings are installed inside the master gas valve boxes and are delivered pre-tested and leak free.

### Electrically or Air Operated Valves

Solenoid valves and air operated ball valves are to be used in conjunction with a control device, such as an emergency push-button or a building automation system to automatically shut off the natural gas flow. These valves are installed inside the master gas valve boxes at the factory, along with a pipe union and pipe nipples of the same nominal size of the valve.

## Ordering Information

MGVB

A

B

C

D

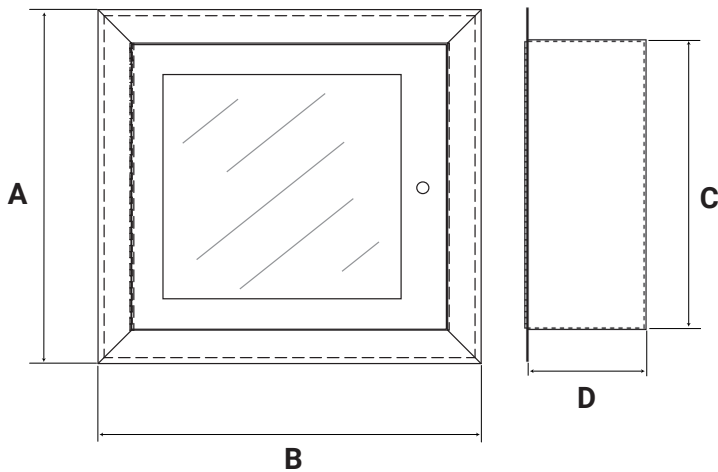
A	
VALVE SIZE	INSCRIBE
No Ball Valve	EMPTY
1/2" Ball Valve	8
3/4" Ball Valve	12
1" Ball Valve	16
1 - 1/4" Ball Valve	20
1 - 1/2" Ball Valve	24
2" Ball Valve	32

B	
VALVE TYPE	INSCRIBE
Hand Operated Ball Valve	BV
Solenoid Valve	SV
Air Actuated Ball Valve	AABV

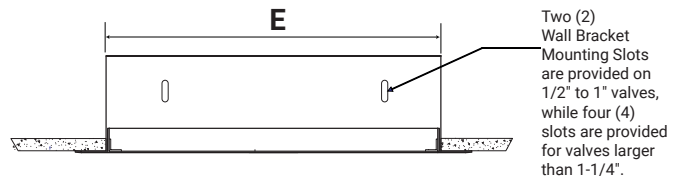
C	
DOOR ENCLOSURE STYLE	INSCRIBE
Solid Door	SD
Door with Window	WD
Solid Door with Louver	SDL

D	
DOOR LATCH	INSCRIBE
Keyed Door Latch (Standard)	KDL
Lever Cam Latch	LCL

## Dimensions



**IMPORTANT**  
Each MGVB holds only ONE valve and cannot be used with other gas services.



*Note: The window size can vary and the final dimensions will be determined by how strong/solid the door will be mounted with a latch. Approximate size will be roughly 8.5" x 9.0".*

Valve Size	A	B	C	D	E
1/2"	14.72" [374 mm]	16.22" [412 mm]	12.20" [310 mm]	3.89" [99 mm]	13.70" [348 mm]
3/4"	14.72" [374 mm]	16.22" [412 mm]	12.20" [310 mm]	3.89" [99 mm]	13.70" [348 mm]
1"	14.75" [374 mm]	16.22" [412 mm]	12.20" [310 mm]	3.89" [99 mm]	13.70" [348 mm]
1-1/4"	14.75" [374 mm]	16.22" [412 mm]	12.20" [310 mm]	3.89" [99 mm]	13.70" [348 mm]
1-1/2"	14.83" [377 mm]	16.43" [417 mm]	12.31" [313 mm]	7.91" [201 mm]	13.91" [353 mm]
2"	14.83" [377 mm]	16.43" [417 mm]	12.31" [313 mm]	7.91" [201 mm]	13.91" [353 mm]

**IMPORTANT:** All measurements are approximate and are subject to change by the manufacturer. Dimensions will be finalized during the submittal process.

*Life is in the details.®*