

Mechanical Gas Valves



A UTC Fire & Security Company

P/N: 87-100001-00X

Effective: June 2011
K-87-022

FEATURES

- **For Use in:**
 - **WHDR™ Commercial Cooking Fire Suppression Systems**
 - **IND™ Industrial Fire Suppression Systems**
- **For Use with XV™ Control System and KRS-50 Control Box**
- **UL & ULC Listed**
- **FM Approved for IND™ Systems**

DESCRIPTION

A Mechanical Gas Valve (Figure 1) is required on systems used to protect gas-fueled equipment (e.g., appliances). Upon system actuation, tension on the control stem is released, closing the valve and stopping gas flow to the equipment.

All Mechanical Gas Valves include an optional cable block (see Figure 2) which can be used to prevent over-extending the valve stem in the open position.

Note: Only Mechanical Gas Valves that are specifically UL listed and identified by part number in this data sheet may be used with the Kidde system.

ORDERING INFORMATION

Gas Valve Size	Part Number
3/4 in. (19 mm)	87-100001-001
1 in. (25.4 mm)	87-100001-002
1-1/4 in. (32 mm)	87-100001-003
1-1/2 in. (38 mm)	87-100001-004
2 in. (51 mm)	87-100001-005
2-1/2 in. (64 mm)	87-100001-006
3 in. (76 mm)	87-100001-007

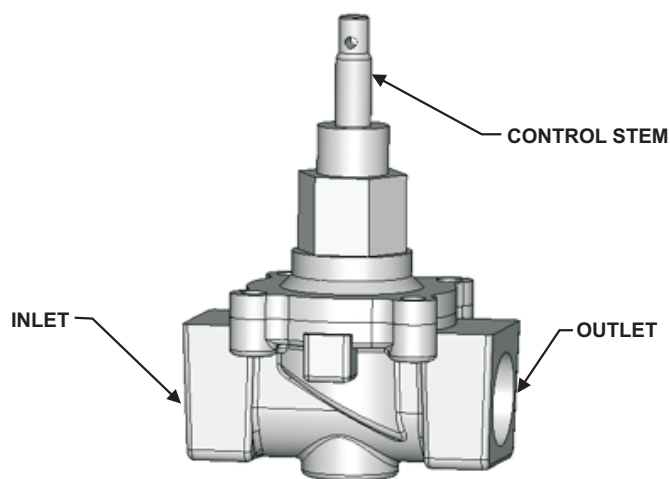


Figure 1. Mechanical Gas Valve, P/N 87-100001-001

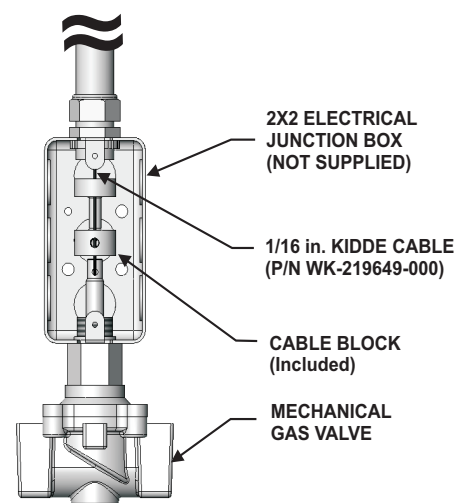


Figure 2. Typical Mechanical Gas Valve Installation

DIMENSIONS

The Mechanical Gas valves can be mounted in any position.

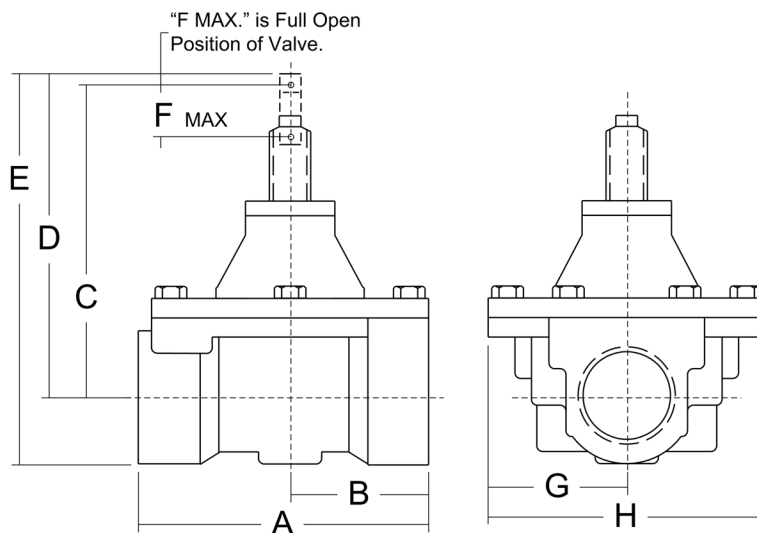


Figure 3. Dimensions of the Mechanical Gas Valve

	Dimensions (inches)									
Part Number	NPT	A	B	C	D	E	F (Max.)	G	H	
87-100001-001	3/4	3 5/16	1 21/32	3 3/4	4	4 13/16	3/16	1 9/64	2 11/32	
87-100001-002	1	5	2 3/8	5 19/32	5 27/32	7 5/32	17/32	2 11/16	5 3/8	
87-100001-003	1 1/4			5 21/32	5 51/64					
87-100001-004	1 1/2									
87-100001-005	2	6 3/32	2 13/16	6	6 1/4	7 3/4	39/64	3 5/32	6 5/16	
87-100001-006	2 1/2	7 51/64	3 29/32	7 3/8	7 5/8	9 61/64	29/32	4 1/8	7 61/64	
87-100001-007	3	7 25/32	3 57/64							

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