BUTTERFLY VALVE

Model VM-300-W
Wafer 300 psi
Sizes: 2”, 2 ½”, 3”, 4”, 5”, 6”, 8”, 10” y 12”

LISTED
EX15826



PRODUCT DESCRIPTION

AG Fire Sprinkler butterfly valves are designed with a slowly closing actuating handwheel to prevent water hammer caused by water flow. These valves offer minimal flow restriction and low pressure loss when the valve is in the open position.

AG's wafer butterfly valve is designed to be installed in any position and has the ability to signal whether the valve is open or closed.

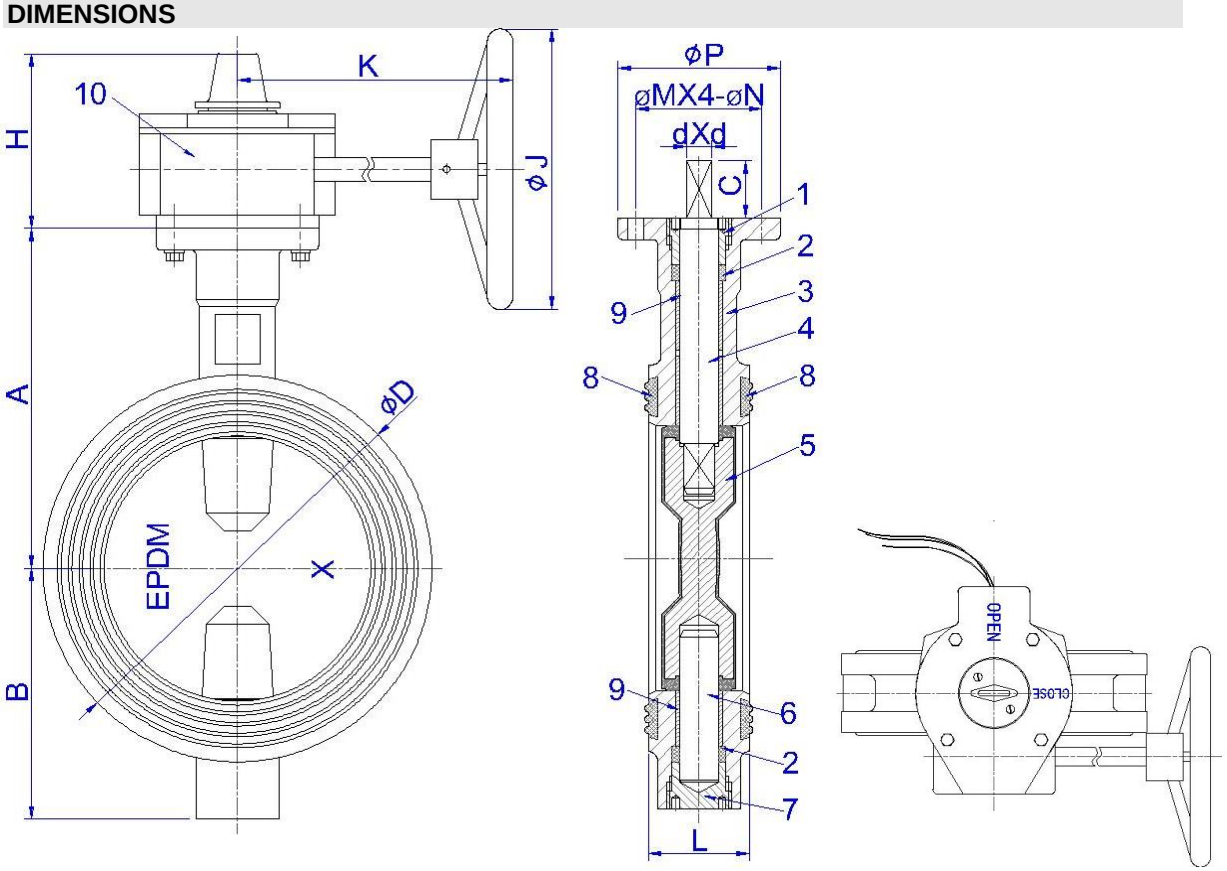
TECHNICAL DATA

Model	VM-300-W Butterfly valve FM/UL Wafer300 psi with handwheel gearbox
Sizes	2” DN50 (1) 2 ½” DN65 3” DN80 4” DN100 5” DN125 6” DN150 8” DN200 10” DN250 (1) 12” DN300 (1)
Conexion	Wafer
Actuation	Handwheel gearbox Position indicator Tamper switch
Maximum working pressure	300 psi (21,4 bar)
Test pressure	600 psi (42,8 bar)
Maximum working temperature	250º F (120ºC)
Use	Inside and outside
Coating	Epoxy resin blend coating conforming to ANSI/AWWA C550
Finish	Red RAL 3000

(1) Butterfly valves 2”, 10” & 12” only UL Listed, not FM.

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DIMENSIONS



SIZES		DIMENSIONS (mm)											
Inch	mm	A	B	C	D	H	K	J	P	M	N	d	L
2	50	110	85	32	100	111	153	152	90	70	9	10	42
2 ½	65	125	95	32	112	111	153	152	90	70	9	10	44,2
3	75	140	100	32	120	111	153	152	90	70	9	11	45,3
4	100	160	100	32	161	111	153	152	90	70	9	14	52
5	125	170	125	32	161	111	153	152	90	70	9	14	54,4
6	150	190	140	32	216	111	153	200	90	70	9	16	55,8
8	200	230	175	32	260	126	210	300	125	102	12	19	60,5
10	250	260	200	45	320	126	210	300	125	102	12	24	66,5
12	300	300	240	45	375	161	249	350	150	125	14	26	76,9

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MATERIALS

ITEM	NAME	MATERIAL	SPECIFICATION
1	Upper arm sealing nut	WCB	ASTM A216
2	Shaft sealing	EDPM	ASTM D2000
3	Body	DI	ASTM A536
4	Upper arm	SS416	ASTM A582
5	Disc	DI+EDPM	
6	Lower arm	SS416	ASTM A582
7	Lower arm sealing nut	WCB	ASTM A216
8	Outer face gasket	EDPM	ASTM D2000
9	Stem bushing	PTFE	ASTM D4894
10	Gear box	-	-

INSTALLATION

When valves are received from the manufacturer, they must be handled with care to avoid damage to the seat area. Before installation of the valve, the pipes, flanges and couplings must be cleaned. When the valve closes abruptly, this is usually due to the presence of dirt in the sealing area. This is usually corrected by turning the handwheel again and closing it again.

The valve must never be forced closed using a spanner on the handwheel as this may deform the valve components or damage the sealing surface. The use of excessive force to open or close the valve violates all warranties either expressed or implied.

The inlet and outlet of piping adjacent to the valve must be adequately supported to avoid stress on the valve body. Valves should not be used to force a pipeline, and this may lead to deformation of the valve body.

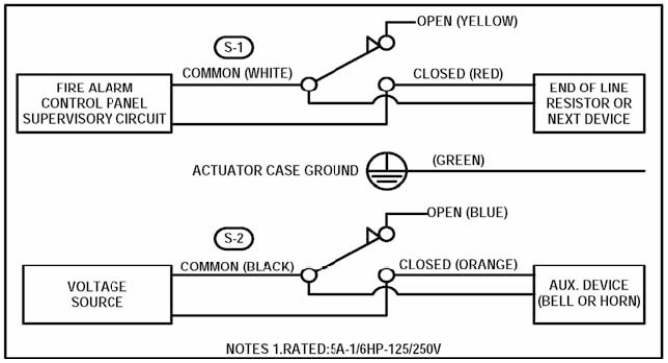
Conduit and electrical connections for the optional Safety Switch shall be in accordance with the National Electrical Code (NFPA 72) and applicable local requirements.

SWITCH INSTALLATION

AG butterfly valves are fitted with internal monitoring position switches. The tamper switch operates by means of a cam connected to the valve stem. The switch will change position in two (2) complete turns of the handwheel from the fully open position.

Switch #1:
For conexion with the supervisory circuit.
Normally closed: 2 red.
Normally opened: 2 yellow.
Common: 2 white.

Switch #2:
Auxiliar switch connected for security.
Normally closed: 1 orange.
Normally opened: 1 blue.
Common: 1 black.
Grounding wire: 1 green.



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ORDER INFORMATION

Specify:

Model	
Quantity	
Size	

AG FIRE SPRINKLER

AG Fire Sprinkler offers a wide selection of components for wet automatic sprinkler systems. Below are some of the AG products that are precision manufactured to protect people and property from fire anytime, anywhere.

- Sprinklers
  - Standard coverage
  - Extended coverage
  - Storage
  - Dry
  - Accesories
- System valves
  - Wet
  - Dry
  - Preaction equipment
  - Accesories
- Spray System Open Nozzles
  - High Velocity Nozzles
  - Medium Velocity Nozzles
  - Window Nozzles
  - Hydroshield Nozzles
  - Mushroom Type Nozzles
- Foam equipment
  - Tanks
  - Proportioners
  - Foam Discharge Equipment
  - Foam Concentrates
- Deluge equipment for Water Spray and Foam
  - Clapper Deluge Valves
  - Diaphragm Deluge Valves
- Monitors
  - Manual Monitors
  - Remote Monitors
  - Monitor Nozzles
  - Towers and Trolleys
- Valves
  - Butterfly Valves
  - Gate Valves
  - Check Valves
  - Pressure Control Valves
  - Test and Drain
  - Hose, Hydrant and Fire Connection Valves
  - Fire Department Connections

The equipment presented in this data sheet is to be installed in accordance with the latest published Standards of the national fire protection association (NFPA), FM Global, LPCB, VdS or other similar organizations, also with the provisions of governmental codes or ordinances whenever applicable. This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

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