WAFER BUTTERFLY VALVE GEAR OPERATED WITH TAMPER SWITCH

Model: VMW-300-S

Wafer valve with tamper switch 300psi

Sizes: 2”, 2 ½”, 3”, 4”, 5”, 6”, 8”, 10” & 12”



LISTED
EX15826

APPROVED

PRODUCT DESCRIPTION

AG butterfly valves have been designed with a slow close gear operator, which effectively minimizes water hammer. These valves feature minimum flow restriction and pressure loss when in the fully open position.

The AG wafer butterfly valve should be connected to the piping system with approved couplings or flange adapters. Flow may be from either direction, and the valve may be positioned in any direction.

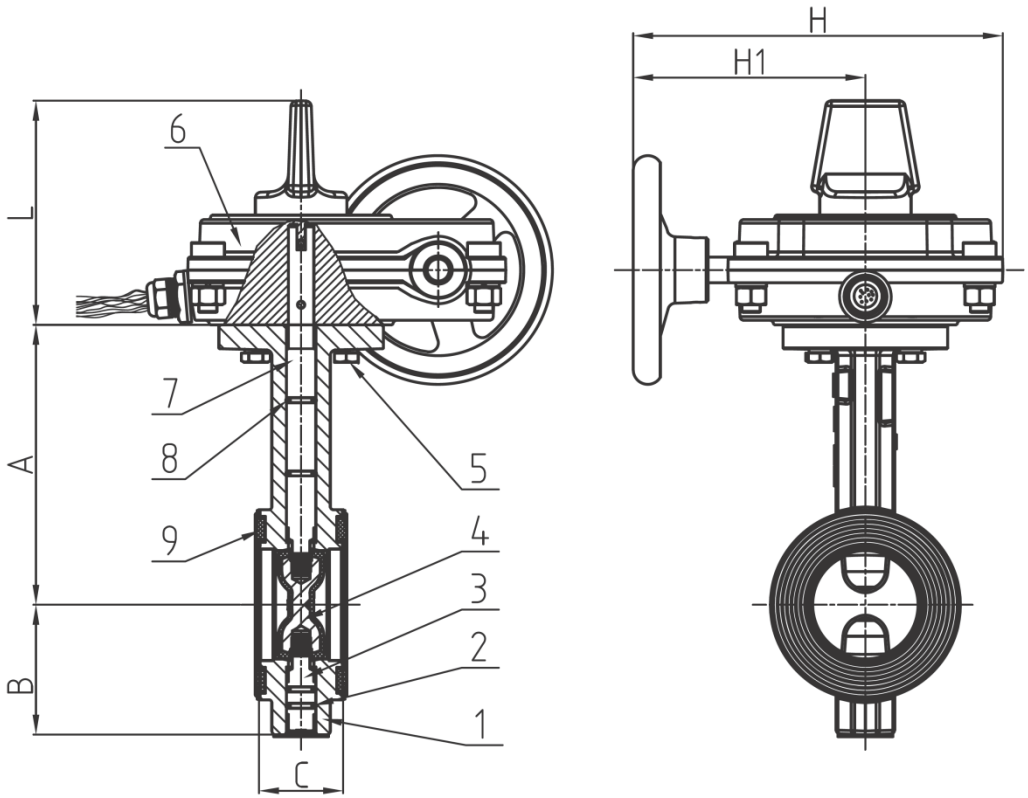
TECHNICAL DATA

Model	WMW-300-S Butterfly valve FM/UL Wafer 300 psi Gear Operated with tamper switch
Sizes	2” DN50 2 ½” DN65 3” DN80 4” DN100 5” DN125 6” DN150 8” DN 200 10” DN250 (1) 12” DN300 (2)
End connection	Wafer ASME B16.1 CL 125 Wafer ASME B16.5 CL 150 Top flange standard: ISO 5211
Operated	Gear Position indicator Tamper Switch
Working pressure	300 psi (21,4 bar)
Maximum working pressure	600 psi (42,8 bar)
Temperature rating	0ºC – 80ºC (32ºF – 176ºF)
Coating	Fusion bonded epoxy coating in accordance with ANSI/AWWA C550
Finish	Fire red RAL 3000

(1) (2) This valves are only FM approved.

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DIMENSIONS



SIZES		DIMENSIONS (mm)					
Inch	mm	A	B	C	L	H1	H
2	50	140,5	65	43	122,5	127	202,2
2 ½	65	153	71	46	122,5	127	202,2
3	80	157,5	81	46	122,5	127	202,2
4	100	176	95	52	122,5	127	202,2
5	125	191	111	56	122,5	127	202,2
6	150	202,5	133	56	122,5	127	202,2
8	200	243,5	164	60	122,5	185	260,2
10	250	273	196	68	122,5	185	260,2
12	300	311	226	78	132	202,5	297,5

MATERIALS

ITEM	NAME	MATERIAL
1	Valve body	ASTM A536, 65-45-12
2	O-ring	NBR
3	Stub Shaft	AISI 431
4	Disc	ASTM A536, 65-45-12
5	Hex nut	Carbon Steel Zinc Plated
6	Signal Gearbox	ASTM A536, 65-45-12
7	Drive Shaft	AISI 431
8	O-ring	NBR
9	End face seal	EPDM

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INSTALLATION

When the valves are received from the manufacturer they should be handled carefully to avoid breakage and damage to the seating area. Before installation of the valve, clean piping, flange and coupling. When the valve closes hard, it is usually due to debris lodged in the sealing area. Often this may be corrected by backing off the hand wheel and closing again.

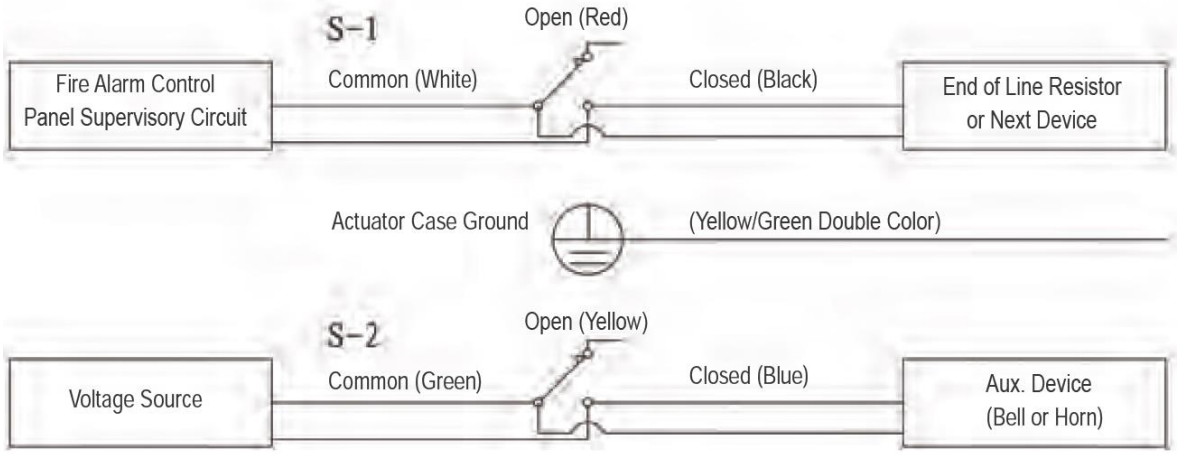
The valve should never be forced to seat by applying a wrench to the hand wheel as this may distort the valve components or score the sealing surface. The use of excessive force to open or close the valve violates all warranties whether express or implied.

The inlet and outlet pipe adjacent to the valve should be properly supported to prevent excessive stress on the valve body. The valves should not be used to force a pipeline into position as this may result in distortion of the valve body.

Conduit and electrical connections to the optional tamper switch must be in accordance with National Electrical Code (NFPA 72) and requirements of the local authority having jurisdiction.

SWITCH INSTALATION

AG butterfly valves are provided with internal supervisory position switches. The tamper switch operates by a cam connected to the valves stem. The switch will change position within two (2) full turns of the hand wheel fro, the fully open position.



ORDERING INFORMATION

SIZE	CODE
2" DN50	VM050WA300V0S
2 ½" DN65	VM065WA300V0S
3" DN80	VM080WA300V0S
4" DN100	VM100WA300V0S
6" DN150	VM150WA300V0S
8" DN200	VM200WA300V0S
10" DN250	VM250WA300V0S
12" DN300	VM300WA300V0S

Specify:

Model	
Size	
Quantity	

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AG FIRE SPRINKLER

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  - Extended Coverage
  - Storage
  - Dry
  - Accessories
- System Valves
  - Wet
  - Dry
  - Preaction Equipment
  - Accessories
- 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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