GROOVED BUTTEFLY VALVE GEAR OPERATED WITH TAMPER SWITCH

Model VMG300S
Grooved 300 psi
Sizes: 2”, 2 ½”, 3”, 4”, 4”, 6”, 8”, 10” & 12”



LISTED
EX15826

FM 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.

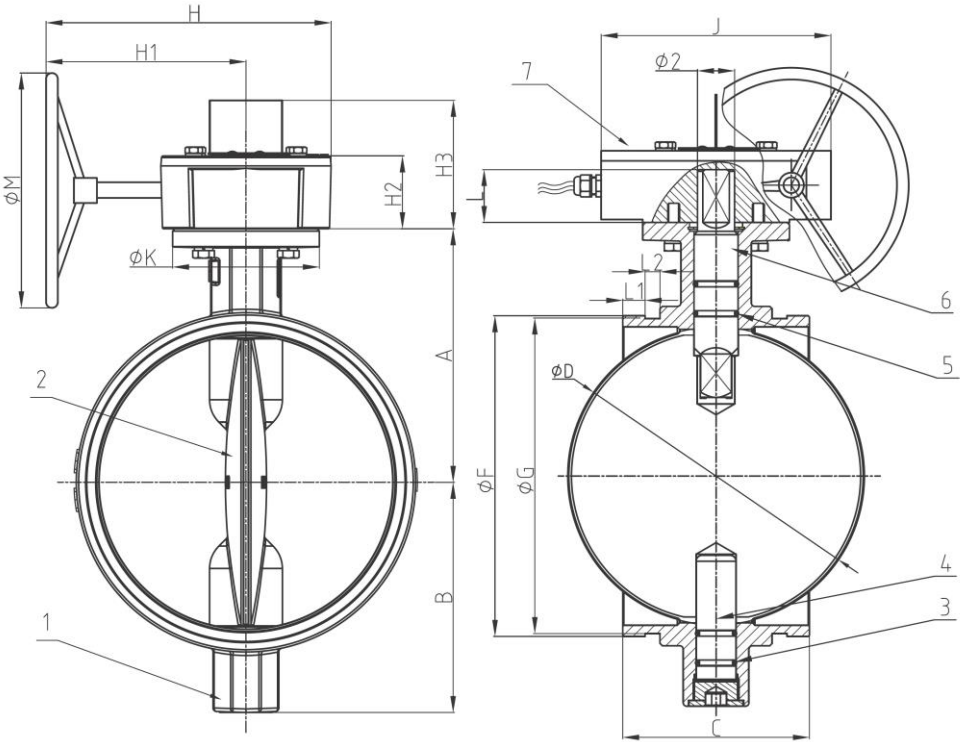
The AG grooved butterfly valve should be connected to the piping system with approved couplings or flange adapters. Flow may be from either direction, and the valve may be positioned in any direction.

TECHNICAL DATA

Model	VMG300S Butterfly valve FM/UL Grooved 300 psi Gear operated with tamper switch
Sizes	2” DN50 2 ½” DN65 3” DN80 4” DN100 5” DN125 6” DN150 8” DN200 10” DN250 12” DN300
End connection	Grooved ANSI / AWWA C606
Operated	Gear Position indicator Tamper Switch
Maximum working pressure	21,4 bar (300 psi)
Maximum test pressure	42,8 bar (600 psi)
Maximum working temperature	250º F (120ºC)
Uses	Outdoors and indoors
Coating	Fusion bonded epoxy coating in accordance with ANSI/AWWA C550
Finish	Fire red RAL 3000

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DIMENSIONS



SIZES		DIMENSIONS (mm)									
Inch	mm	A	B	C	ΦF	ΦG	L	L1	L2	H1	H
2	50	89	65	81	60,3	57,15	122,5	7,93	15,88	127	202,2
2 ½	65	102	71	97	73	69,09	122,5	7,93	15,88	127	202,2
2 ½ DIN	65	102	71	97	76,1	69,09	122,5	7,93	15,88	127	202,2
3	75	109	81	97	88,9	84,94	122,5	7,93	15,88	127	202,2
4	100	128	95	116	114,3	110,08	122,5	9,53	15,88	127	202,2
5 DIN	125	141	111	148	139,7	137,03	122,5	9,53	15,88	127	202,2
5	125	141	111	148	141,3	137,03	122,5	9,53	15,88	127	202,2
6 DIN	150	153	133	148	165,1	163,96	122,5	9,53	15,88	127	202,2
6	150	153	133	148	168,3	163,96	122,5	9,53	15,88	127	202,2
8	200	184	164	133	219,1	214,4	122,5	11,1	19,05	185	260,2
10	250	216	196	159	273	268,3	122,5	12,7	19,05	185	260,2
12	300	254	226	165	323,9	318,3	132	12,7	19,05	202,5	297,5

MATERIALS

ITEM	NAME	MATERIAL
1	Body	ASTM A536, 65-45-12
2	Disc	ASTM A536, 65-45-12 + EDPM
3	O-ring	NBR
4	Stem	AISI 431
5	O-ring	NBR
6	Stem	AISI 431
7	Signal Gear Box	ASTM A536, 65-45-12

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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.

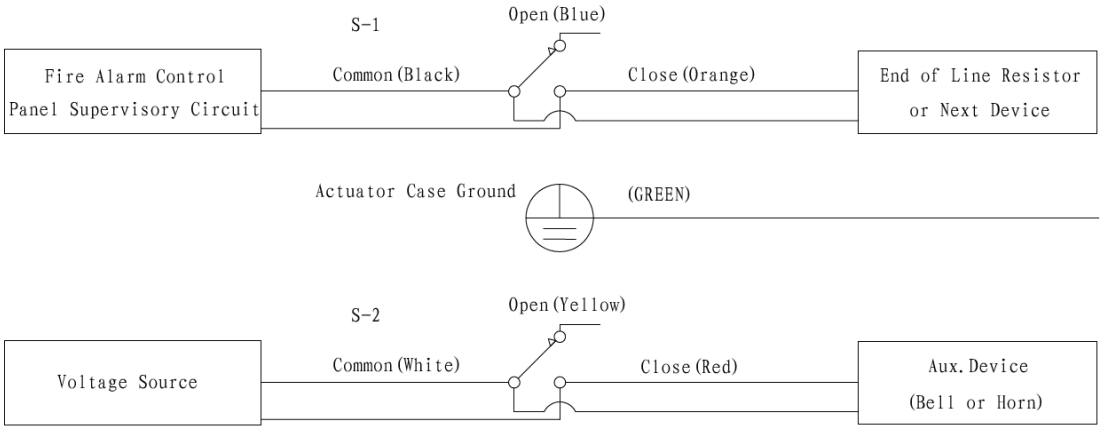
The valve should never be forced to seat by applying a wrench to the hand wheel as this may distort the valve components or score the sealing surface. The use of excessive force to open or close the valve violates all warranties whether express or implied.

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	VM050RA300V0S
2 ½” DN65	VM065RA300V*S
3” DN80	VM080RA300V0S
4” DN100	VM100RA300V0S
5” DN125	VM125RA300V‡S
6” DN150	VM150RA300V#S
8” DN200	VM200RA300V0S
10” DN250	VM250RA300V0S
12” DN300	VM300RA300V0S

- Substitute the symbol * by 0 (76mm) or 1 (73mm)

- Substitute the symbol ‡ by 0 (141mm) or 1 (140mm)

- Substitute the symbol # by 0 (168mm) or 1 (165mm)

Specify:

Model	
Quantity	
Size of valve	

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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.
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