GROOVED BUTTERFLY VALVE GEAR OPERATED WITH TAMPER SWITCH

Model VM232GVFC
Grooved PN 10/16
Sizes: 2”, 2 ½”, 3”, 4”, 5”, 6”, 8”, 10” & 12”

CE



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.

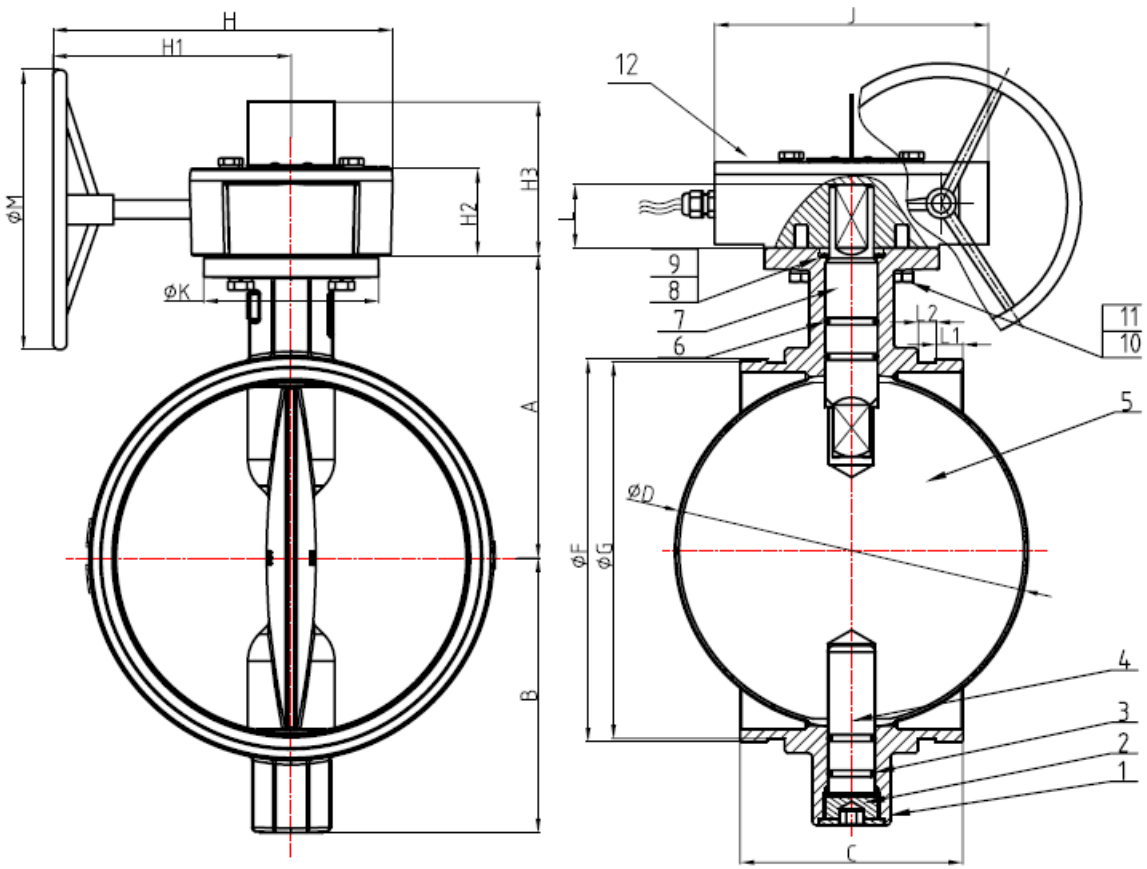
TECHNICAL DATA

Model	VM232GVFC - Butterfly valve CE Grooved PN 10/16 Gear Operated with tamper switch
Sizes	2” DN50 2 ½” DN65 3” DN75 4” DN100 5” DN125 6” DN150 8” DN200 10” DN250 12” DN300
End connection	Grooved PN 10/16
Operated	Gear Position indicator Tamper Switch
Maximum working pressure	232 psi (16bar)
Temperature Range	32ºF to 176ºF (0ºC to 80ºC)
Coating	Fusion bonded epoxy coating in accordance with ANSI/AWWA C550 or painting upon request
Finish	Fire red RAL 3000

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MATERIALS

ITEM	NAME	MATERIAL
1	Body	EN-GJS-450-10
2	Plug	35
3	O-Ring	NBR
4	Stub Shaft	SS431
5	Disc	EN-GJS-450-10+EDPM
6	O-Ring	NBR
7	Drive Shaft	SS431
8	Circlip for hole	65Mn
9	Retaining plate	SS304
10	Hex Nut	A3
11	Spring Washer	65Mn
12	Gear	-



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DIMENSIONS

SIZE		DIMENSIONS (mm)															
Inch	mm	A	B	C	ØD	ØF	ØG	L1	L2	L	ØK	H	H1	H2	H3	J	ØM
2”	50	89	65	81	53.9	60.33	57.15	15.88	7.93	32	90	208	156	59	104	125	150
2½”	65	102	71	97	65.2	76.1	72.26	15.88	7.93	32	90	208	156	59	104	125	150
3”	80	109	81	97	79.7	88.9	84.94	15.88	7.93	32	90	208	156	59	104	125	150
4”	100	128	95	116	105	114.3	110.08	15.88	9.53	32	90	208	156	59	104	125	150
5”	125	141	111	148	130	139.7	135.48	15.88	9.53	32	90	208	156	59	104	125	150
6”	150	153	133	148	156	165.1	160.9	15.88	9.53	32	90	208	156	59	104	125	150
8”	200	184	164	133	206.7	219.1	214.4	19.05	9.53	45	125	310	239	69	115	167	300
10”	250	216	196	159	253.3	273.1	268.28	19.05	9.53	45	125	310	239	69	115	167	300
12”	300	254	226	165	301.9	323.9	318.29	19.05	9.53	45	125	307	239	73	120	190	300

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.

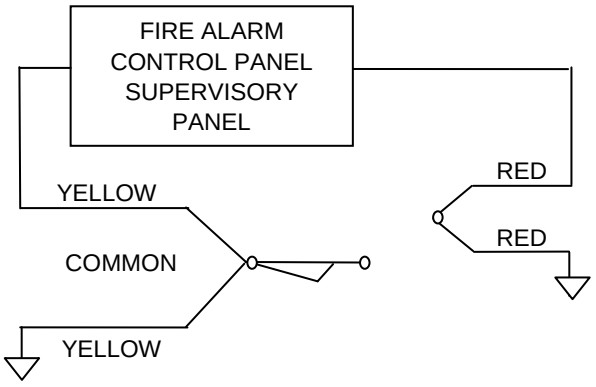
The inlet and outlet pipe adjacent to the valve should be properly supported to prevent excessive stress on the valve body. The valves should not be used to force a pipeline into position as this may result in distortion of the valve body.

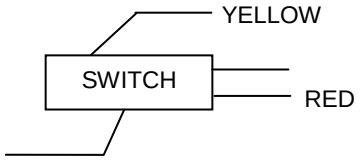
Conduit and electrical connections to the optional tamper switch must be in accordance with National Electrical Code (NFPA 72) and requirements of the local authority having jurisdiction.

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.

SUPERVISORY SWITCH





S.P.S.T.N.C. SWITCH

With dual leads soldered to switch tabs. (switch shown in “full-open” position)

To end of line resister or next supervisory switch

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ORDERING INFORMATION

SIZE	CODE
2” DN50	VM050RACEV0FC
2 ½” DN65	VM065RACEV0FC
3” DN80	VM080RACEV0FC
4” DN100	VM100RACEV0FC
6” DN150	VM150RACEV0FC
8” DN200	VM200RACEV0FC
10” DN250	VM250RACEV0FC
12” DN300	VM300RACEV0FC

Specify:

Model	
Size	
Quantity	

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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