WAFER BUTTERFLY VALVE GEAR OPERATED WITH TAMPER SWITCH

Model VM232WVFC
Wafer PN 10/16
Sizes: 2”, 2 ½”, 3”, 4”, 5”, 6”, 8”, 10” & 12”



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 VM232WVFC should be connected to the piping system with approved flanges and couplings. Flow may be from either direction, and the valve may be positioned in any direction.

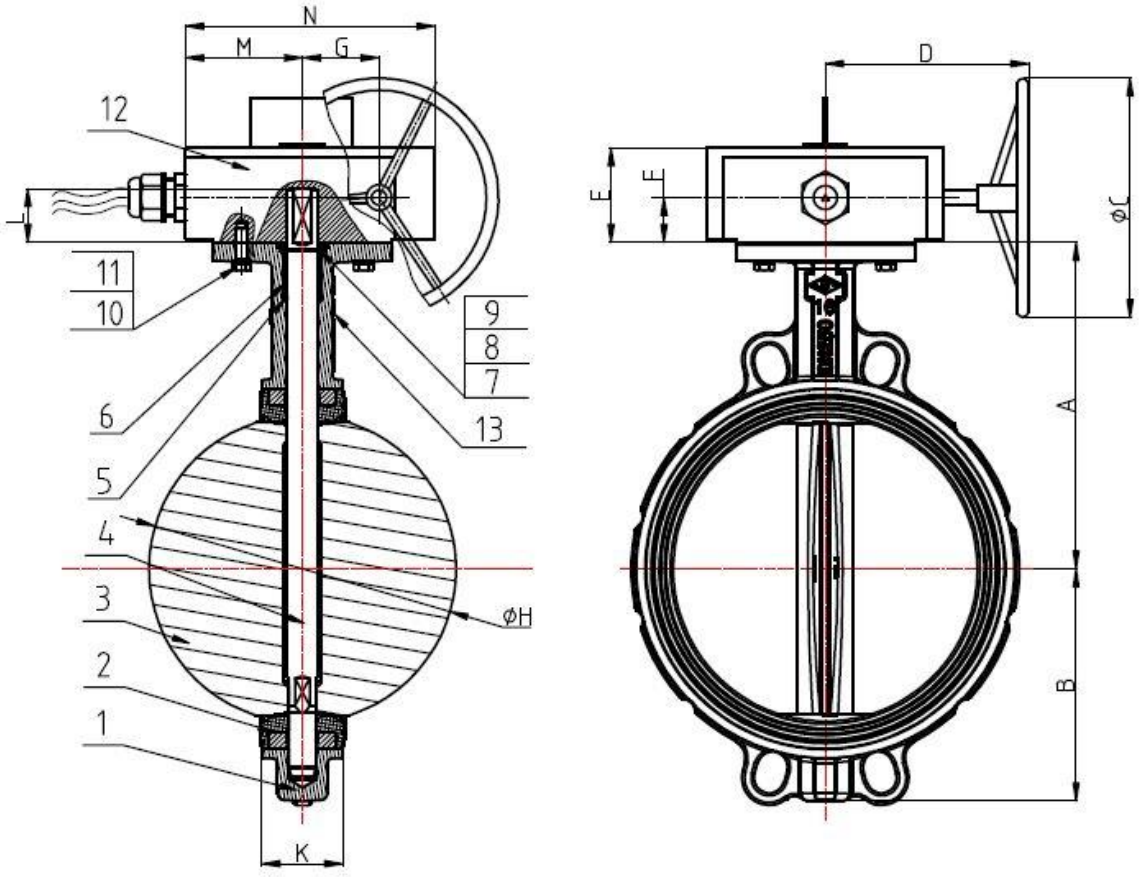
TECHNICAL DATA

Model	VM232WVFC - Butterfly valve CE Wafer PN 10/16 Gear Operated with tamper switch
Sizes	2” DN50 2 ½” DN65 3” DN75 4” DN100 6” DN150 8” DN200 10” DN250 12” DN300
End connection	Wafer
Operated	Gear Position indicator Tamper Switch
Maximum working pressure	PN 10/16 (232 psi)
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

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

MATERIALS

ITEM	NAME	MATERIAL
1	Body	65-45-12
2	Seat	EPDM
3	Disc	65-45-12
4	Stem	420SS
5	O-Ring	NBR
6	Bushing	NYLON 1010
7	Circlip for shaft	65Mn
8	Retaining plate	SS304
9	Circlip for hole	65Mn
10	Bolts	A3
11	Spring Washer	65Mn
12	Signal Gear	-
13	Name plate	Al



C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

DIMENSIONS

SIZE		DIMENSIONS (mm)											
Inch	mm	A	B	C	D	E	F	G	H	K	L	M	N
2”	50	104.5	64.5	150	158	52	29	43.5	53.9	43	32	48	114
2½”	65	153	72	150	158	52	29	43.5	65.2	46	32	48	114
3”	80	157.5	86	150	158	52	29	43.5	79.7	46	32	48	114
4”	100	176	100	150	158	52	29	43.5	105	52	32	48	114
5”	125	191	112	150	158	52	29	43.5	130	56	32	48	114
6”	150	202.5	128	150	158	52	29	43.5	155.8	56	32	48	114
8”	200	243.5	162	300	239	69	35	62.5	207	60	45	71	167
10”	250	273	194	300	239	69	35	62.5	253.3	68	45	71	167
12”	300	311	223	300	229	73	38	77.5	301.9	78	45	78	190

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.

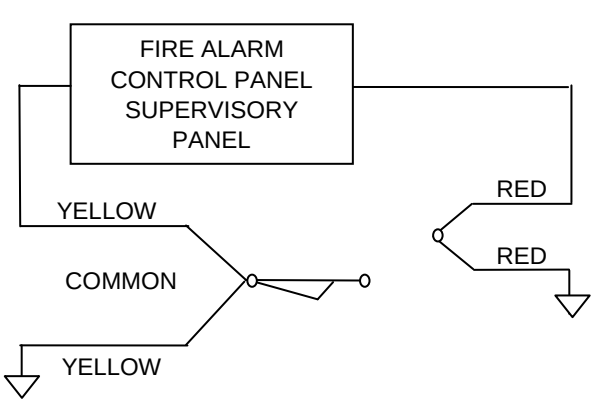
The inlet and outlet pipe adjacent to the valve should be properly supported to prevent excessive stress on the valve body. The valves should not be used to force a pipeline into position as this may result in distortion of the valve body.

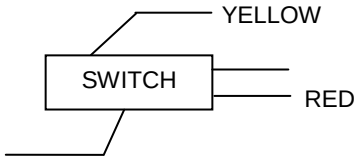
Conduit and electrical connections to the optional tamper switch must be in accordance with National Electrical Code (NFPA 72) and requirements of the local authority having jurisdiction.

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

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

ORDERING INFORMATION

SIZE	CODE
2” DN50	VM050WACEV0FC
2 ½” DN65	VM065WACEV0FC
3” DN80	VM080WACEV0FC
4” DN100	VM100WACEV0FC
6” DN150	VM150WACEV0FC
8” DN200	VM200WACEV0FC
10” DN250	VM250WACEV0FC
12” DN300	VM300WACEV0FC

Specify:

Model	
Size	
Quantity	

AG FIRE SPRINKLER

AG Fire Sprinkler offers a wide selection of components. Then a list of products is presented by AG Fire Sprinkler, we can offer all these components, made with precision to protect people, anywhere, anytime.

- Sprinklers
  - Standard Coverage
  - 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.

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08