



Grooved Butterfly Valve Gear Operated, 300PSI **FIG. F1022 – 300**

Specifications

- Vulcanized disc design for bubble-tight shutoff at 300 psi.
- Flag type position indicator.
- Low torque operation, high cycle life.
- With built-in supervisory switch.
- Top flange to ISO 5211/1.
- Groove Ends to AWWA C606 Standard or Metric Dimensions.
- UL Listed.
- FM Approved for size 2"-6"
- Valve Comply with BSEN593.

Working Pressure

- 300PSI.
- 200PSI and 250PSI available on request.

Working Temperature

- -10°C to 82°C.

Corrosion Protection

- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 Standard.

Notes:

Design and material are subject to change without notice.

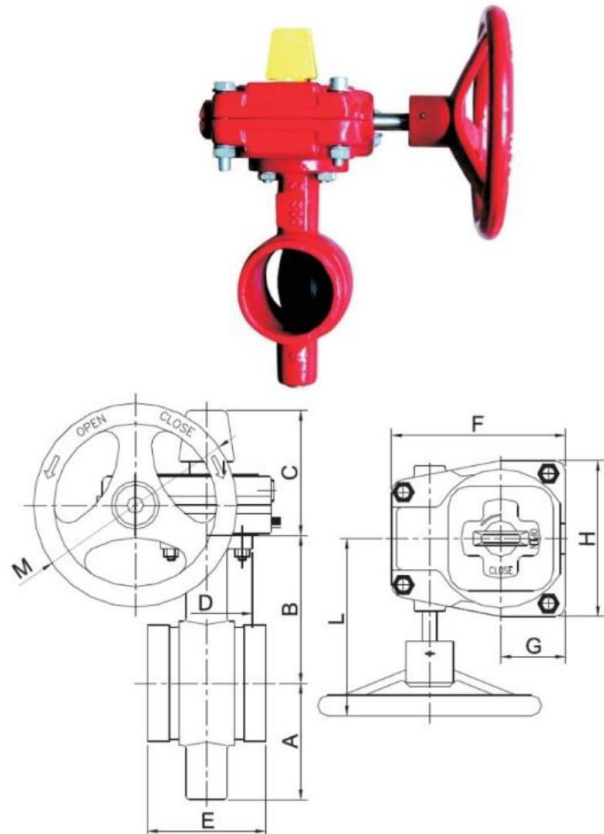
Material Specifications

Part Name	Material	
Body	Ductile Iron	BS EN 1563 EN-GJS-400-15
Wedge	Ductile Iron, EPDM Encapsulated	
Shaft	Stainless Steel	BS EN 1008-1 Grade 1.4301
Bushing	Brass	C67400
Gearbox Housing	Cast Iron	A126 Class B
Gearbox Cover	Cast Iron	A126 Class B
Wormgear	Bronze	C62300
Worm	Stainless Steel	AISI 316
Handwheel	Cast Iron	A126 Class B

Dimensions (mm/inch)

Size	A	B	D	E	C	F	G	H	L	M
2"	77 3.03	99 3.90	90 3.54	84 3.31	120 4.72	170 6.69	65 2.56	155 6.10	150 5.91	200 7.87
2.5"	85 3.35	112 4.41	90 3.54	97 3.82	120 4.72	170 6.69	65 2.56	155 6.10	150 5.91	200 7.87
3"	90 3.54	115 4.53	90 3.54	97 3.82	120 4.72	170 6.69	65 2.56	155 6.10	150 5.91	200 7.87
4"	108 4.25	145 5.71	90 3.54	116 4.57	120 4.72	170 6.69	65 2.56	155 6.10	150 5.91	200 7.87
5"	120 4.72	138.5 5.45	90 3.54	148 5.83	120 4.72	170 6.69	65 2.56	155 6.10	150 5.91	200 7.87
6"	145 5.71	185 7.28	90 3.54	148 5.83	120 4.72	170 6.69	65 2.56	155 6.10	150 5.91	200 7.87
8"	180 7.09	200 7.87	125 4.92	133 5.24	160 6.30	225 8.86	85 3.35	206 8.11	200 7.87	300 11.81
10"	230 9.06	250 9.84	125 4.92	159 6.26	160 6.30	225 8.86	85 3.35	206 8.11	200 7.87	300 11.81
12"	260 10.23	275 10.82	125 4.92	165 6.50	160 6.30	225 8.86	85 3.35	206 8.11	200 7.87	300 11.81

Schematic



Installation sheet for Gear Operator With Tamper Switch

Butterfly valves are provided with internal supervisory position switches. The tamper switch operates by a cam connected to the valve stem. The switch will change position and close within two (2) full turns of the hand wheel from the fully open position.

Switch #1:

For connection to the supervisory circuit

Normally closed: 2 Yellow

Normally open: 2 Red

Common: 2 White

Switch #2:

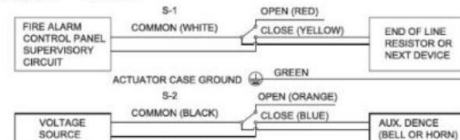
Auxiliary switch connected per authority

Normally closed: 1 Blue

Normally open: 1 Orange

Common: 1 Black

Ground Lead: 1 Green



Notes:
1. Item no. VISION 521 C2.
2. Rated: 10A 125-250VAC.