

## FIRE PROTECTION WAFER BUTTERFLY VALVE F0811-300

### Specifications:

#### Certification:

- Valves size 2", 2.5", 3", 4", 5", 6", 8", 10", 12".
- UL listed for all sizes.
- FM approved for size 2", 2.5", 3", 4", 5", 6".

#### Features:

- Vulcanized disc design for bubble-tight shutoff at 300PSI.
- Flag type position indicator.
- Low torque operation, high cycle life.
- Light weight.
- Stem has a multiple spline key structure. This transfers higher torque loads and provides exceptional reliability.
- With built-in supervisory switch.
- Top flange to ISO 5211/1.
- Flanges to ANSI B16.1 Class125, EN1092-2 PN10/16. (Other types available upon request)
- Fusion bonded epoxy coated interior and exterior to AWWA C550 standard.
- Working Pressure 300PSI. (available for 250PSI and 200PSI)
- Working Temperature -10°C to 82°C.



### 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:

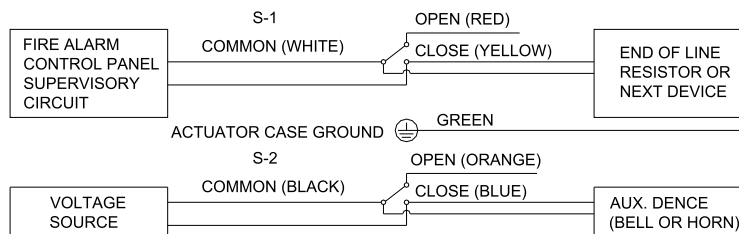
Auxiliary switch connected per authority

Normally closed: 1 Blue

Normally open: 1 Orange

Common: 1 Black

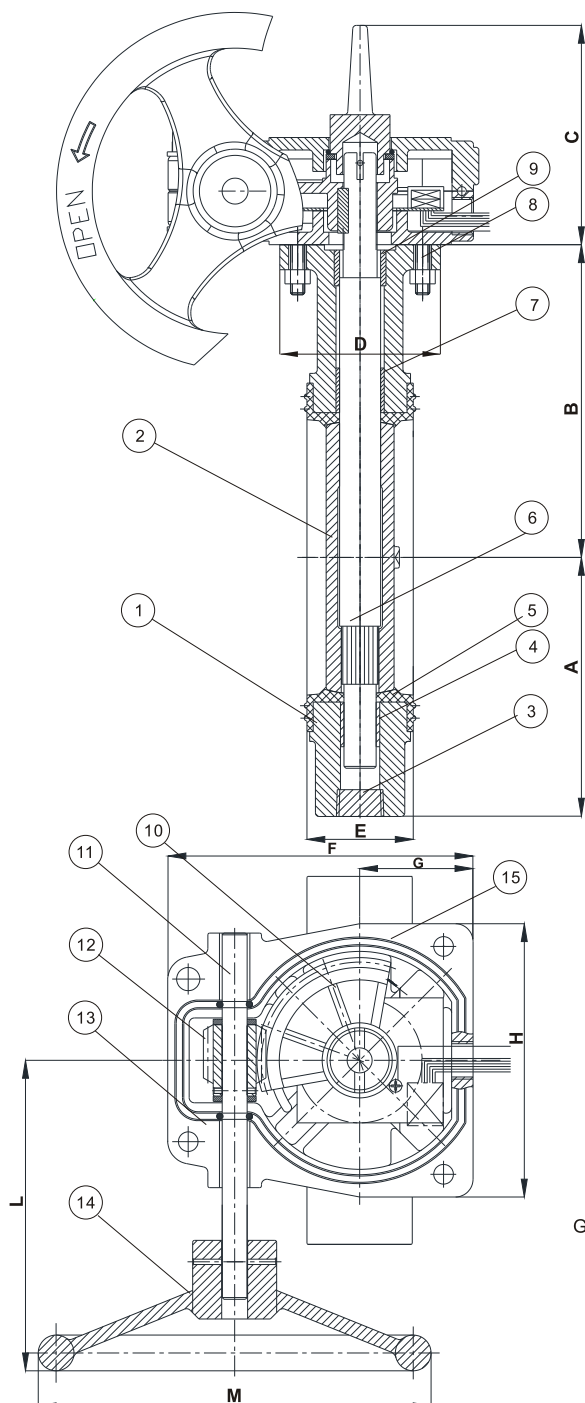
Ground Lead: 1 Green



- Notes:  
1. Item no. VSION 021 C2.  
2. Rated: 10A 125-250VAC.

The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product.

### Schematic



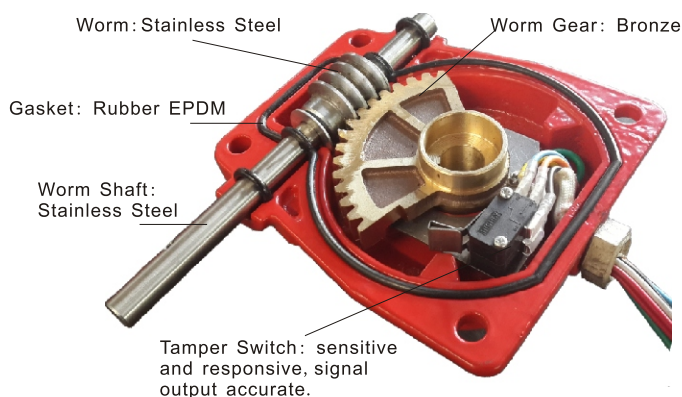
### Components & Materials

|    |                    |                            |
|----|--------------------|----------------------------|
| 1  | Body               | Ductile Iron A536 65-45-12 |
| 2  | Disc               | Ductile Iron A536 65-45-12 |
| 3  | Plug               | Carbon Steel/Chrome Plated |
| 4  | Lower Shaft Sleeve | Brass C67400               |
| 5  | Seat               | Rubber EPDM                |
| 6  | Stem               | Stainless Steel AISI 431   |
| 7  | Upper Stem         | Stainless Steel AISI 431   |
| 8  | Bolts & Nuts       | Carbon Steel/Zinc Plated   |
| 9  | Upper Shaft Sleeve | Brass C67400               |
| 10 | Worm Gear          | Bronze C62300              |
| 11 | Worm Shaft         | Stainless Steel AISI 316   |
| 12 | Worm               | Stainless Steel AISI 316   |
| 13 | Gasket             | Rubber EPDM                |
| 14 | Handwheel          | Cast Iron A126 ClassB      |
| 15 | Gear Box           | Cast Iron A126 ClassB      |

### Dimensions (mm/inch)

| Size | A            | B           | D           | E            | C           | F           | G          | H           | L           | M            |
|------|--------------|-------------|-------------|--------------|-------------|-------------|------------|-------------|-------------|--------------|
| 2"   | 110<br>4.33  | 74<br>2.91  | 90<br>3.54  | 43<br>1.69   | 120<br>4.72 | 170<br>6.69 | 65<br>2.56 | 155<br>6.10 | 150<br>5.91 | 200<br>7.87  |
| 2.5" | 118<br>4.65  | 85<br>3.35  | 90<br>3.54  | 46<br>1.81   | 120<br>4.72 | 170<br>6.69 | 65<br>2.56 | 155<br>6.10 | 150<br>5.91 | 200<br>7.87  |
| 3"   | 130<br>5.12  | 95<br>3.74  | 90<br>3.54  | 46<br>1.81   | 120<br>4.72 | 170<br>6.69 | 65<br>2.56 | 155<br>6.10 | 150<br>5.91 | 200<br>7.87  |
| 4"   | 145<br>5.71  | 115<br>4.53 | 90<br>3.54  | 52<br>2.05   | 120<br>4.72 | 170<br>6.69 | 65<br>2.56 | 155<br>6.10 | 150<br>5.91 | 200<br>7.87  |
| 5"   | 160<br>6.30  | 130<br>5.12 | 90<br>3.54  | 56<br>2.20   | 120<br>4.72 | 170<br>6.69 | 65<br>2.56 | 155<br>6.10 | 150<br>5.91 | 200<br>7.87  |
| 6"   | 175<br>6.89  | 145<br>5.71 | 90<br>3.54  | 56<br>2.20   | 120<br>4.72 | 170<br>6.69 | 65<br>2.56 | 155<br>6.10 | 150<br>5.91 | 200<br>7.87  |
| 8"   | 200<br>7.87  | 170<br>6.69 | 125<br>4.92 | 60<br>2.36   | 160<br>6.30 | 225<br>8.86 | 85<br>3.35 | 206<br>8.11 | 200<br>7.87 | 300<br>11.81 |
| 10"  | 250<br>9.84  | 208<br>8.19 | 125<br>4.92 | 68.5<br>2.70 | 160<br>6.30 | 225<br>8.86 | 85<br>3.35 | 206<br>8.11 | 200<br>7.87 | 300<br>11.81 |
| 12"  | 275<br>10.83 | 238<br>9.37 | 125<br>4.92 | 79.5<br>3.13 | 160<br>6.30 | 225<br>8.86 | 85<br>3.35 | 206<br>8.11 | 200<br>7.87 | 300<br>11.81 |

### Internal Structure of Gear operator



The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product.