

# TECHNICAL DATA SHEET

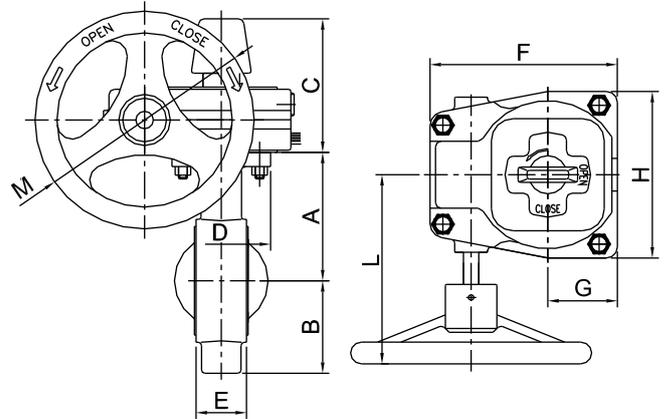
for use by Architects & Engineers

## Butterfly Valve - Wafer Type - Gear Operated - 300PSI

Model No: 2305-300-LF



### Sectional Detail



### Features

- Single piece through shaft
- Vulcanized seat design for bubble-tight shutoff at 300PSI
- Flag type position indicator
- Low torque operation, high cycle life
- NWith built in supervisory switch
- Top flange to ISO 5211/1
- Flanges to ANSI B16.1 Class 125, EN1092-2 PN10/16. (other type available upon request)
- UL Listed for size 2" - 12"
- FM Approved for 2" - 6"
- 300PSI Working pressure
- 200PSI and 250PSI available upon request (Non-UL/FM approved)
- -10°C to 82°C Working temperature
- Corrosion protection - Fusion bonded epoxy coated interior and exterior to AWWA C550 standard

### Material Specification

Part name	Material	ASTM Spec
Body	Ductile iron	A536 65-45-12
Seat	Rubber	EPDM
Disc	Ductile iron	A536 65-45-12
Shaft	Stainless steel	AISI 431
Bushing	Brass	C67400
Gearbox housing	Cast Iron	ASTM A126 Class B
Gearbox cover	Cast Iron	ASTM A126 Class B
Worm gear	Bronze	C62300
Worm	Stainless steel	AISI 316
Handwheel	Cast Iron	ASTM A126 Class B

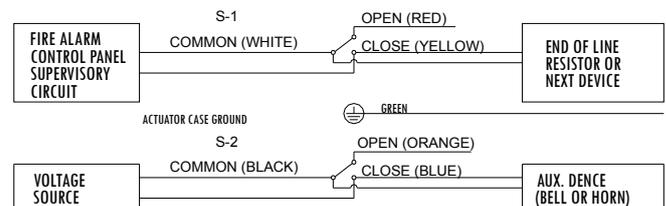
### Dimensions

Size	A		B		D		E		C		F		G		H		L		M	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
2"	110	4.33	74	2.91	90	3.54	43	1.69	120	4.72	170	6.69	65	2.56	155	6.10	150	5.91	200	7.87
2.5"	118	4.65	85	3.35	90	3.54	46	1.81	120	4.72	170	6.69	65	2.56	155	6.10	150	5.91	200	7.87
3"	130	5.12	95	3.74	90	3.54	46	1.81	120	4.72	170	6.69	65	2.56	155	6.10	150	5.91	200	7.87
4"	145	5.71	115	4.53	90	3.54	52	2.05	120	4.72	170	6.69	65	2.56	155	6.10	150	5.91	200	7.87
5"	160	6.30	130	5.12	90	3.54	56	2.20	120	4.72	170	6.69	65	2.56	155	6.10	150	5.91	200	7.87
6"	175	6.89	145	5.72	90	3.54	56	2.20	120	4.72	170	6.69	65	2.56	155	6.10	150	5.91	200	7.87
8"	200	7.87	170	6.69	125	4.92	60	2.36	160	6.30	225	8.86	85	3.35	206	8.11	200	7.87	300	11.81
10"	250	9.84	208	8.19	125	4.92	68.5	2.70	160	6.30	225	8.86	85	3.35	206	8.11	200	7.87	300	11.81
12"	275	10.83	238	9.37	125	4.92	79.5	3.13	160	6.30	225	8.86	85	3.35	206	8.11	200	7.87	300	11.81

### Installation 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:                                 | Switch 2:                                  |
| For connection to the supervisory circuit | Auxiliary switched connected per authority |
| Normally closed: 2 Yellow                 | Normally closed: 1 Blue                    |
| Normally open: 2 Red                      | Normally open: 1 orange                    |
| Common: 2 White                           | Common: 1 Black                            |
|   | Ground Lead: 1 Green                       |



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