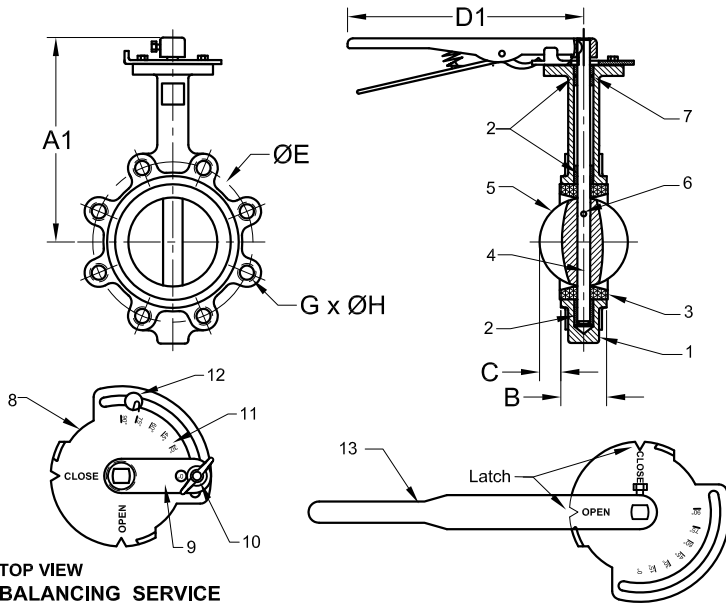


# Butterfly Valve Model BV

(2½" thru 12")

## BV (2½" thru 6")



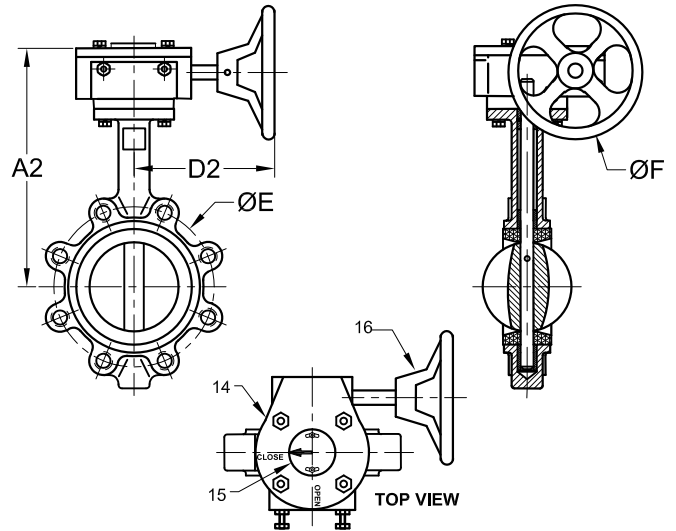
### TOP VIEW BALANCING SERVICE

Adjust valve as required; secure wing nut (10) on position indicator plate (9). Slide memory stop bolt assembly (12) against position indicator plate and tighten. Handle may be removed. Memory Stop has Infinite Positions Setting

### TOP VIEW SHUTOFF SERVICE

Discard position indicator plate (9), plate bolt assembly (10) and memory stop bolt assembly (12). Handle will latch in OPEN or CLOSE positions.

## BV (6" thru 12")



### DESIGN DATA

Cast Iron Lug Type Body, EPDM Seat  
 One-Piece Blowout-Proof Stainless Steel Shaft  
 Working Pressure: 225 PSIG Max.  
 Working Temperature: -30°F to 250°F  
 Compatible with ANSI 125# Class B or 150# Flanges  
 Compliance with: MSS-SP67, API-609  
 Bi-Directional; Dead-End Service @ 225 PSI with downstream Flange  
 Gearbox Models: Worm-Drive with Memory Stops, Hand Wheel

### PARTS & MATERIALS

- |                 |   |                        |                           |
|-----------------|---|------------------------|---------------------------|
| 1 Body:         | Epoxy Coated Cast Iron*, ASTM A126, CLASS B | 9 Indicator:           | Steel with Chrome Plating |
| 2 Bushings (3): | PTFE/Fiberglass, Steel Backing              | 10 Indicator Bolt Set: | Steel with Zinc Plating   |
| 3 Seat:         | EPDM with Phenolic Backing                  | 11 Degree Indicator:   | (stamped on Top Plate)    |
| 4 Shaft:        | 416 Stainless Steel                         | 12 Mem. Stop Bolt Set: | Steel with Zinc Plating   |
| 5 Disk:         | 304 Stainless Steel                         | 13 Latch/Lock Handle:  | Cast Iron*                |
| 6 Disk Pins:    | 416 Stainless Steel                         | 14 Gearbox:            | Cast Iron* and Steel      |
| 7 Stem Seal:    | Buna-N (Nitrile)                            | 15 Gearbox Indicator:  | Steel                     |
| 8 Top Plate:    | Chrome Plated Steel                         | 16 Hand Wheel:         | Cast Iron*                |

\* Cast surfaces on these items coated with lead-free epoxy paint.

### DIMENSIONS (inches) / PERFORMANCE DATA

SIZE	A1	A2	B	C	D1	D2	ØE	ØF	G x ØH	Bolt Length <sup>1</sup>	Torque <sup>2</sup> (ft-lbs)	Cv (Full Open)	WT (lbs)
2½	8.2	-	1.76	0.39	10½	-	5½	-	4 x ⅝"-11 UNC	1½	10	196	12.9
3	8.4	-	1.78	0.66	10½	-	6	-	4 x ⅝"-11 UNC	1½	16	302	13.1
4	9.1	-	2.05	1.03	10½	-	7½	-	8 x ⅝"-11 UNC	1¾	20	600	19.0
5	9.5	-	2.14	1.32	10½	-	8½	-	8 x ¾"-11 UNC	2	50	1022	23.0
6	10.2	11.6	2.20	1.96	10½	6.0	9½	6	8 x ¾"-10 UNC	2	73	1579	29.0 / 38.0 <sup>3</sup>
8	-	13.2	2.39	2.79	-	9.8	11¼	12	8 x ¾"-10 UNC	2¼	121	3136	65.0
10	-	14.5	2.58	3.64	-	9.8	14¼	12	12 x 7/8"- 9 UNC	2¼	192	5340	101.0
12	-	16.3	3.03	4.42	-	9.8	17	12	12 x 7/8"- 9 UNC	2½	271	8250	127.0

<sup>1</sup> Assuming Std. ANSI 125# Class B Flanges (mates to 150# Class B Flanges). <sup>2</sup> Max valve seating torque in fluid service @ 200 psi and 250°F temperature. <sup>3</sup> Model BV-0600 / BV-0600G

### ORDER DATA

Sample Part #:

BV - 0600GB

Model \_\_\_\_\_

BV (2½" thru 6") - Butterfly Valve w/ Top Plate Assy. and Handle  
 BV (6" thru 12") - Butterfly Valve w/ Gearbox Assy. and Hand Wheel

Butterfly Valve Size \_\_\_\_\_

0250=2½", 0300=3", 0400=4", 0500=5", 0600=6", 0800=8", 1000=10", 1200=12"

Option Order Codes (Accessories) \_\_\_\_\_

GB - Gearbox option for 6" BV only

PROJECT \_\_\_\_\_

CONTRACTOR \_\_\_\_\_

PO/JOB NO. \_\_\_\_\_

ENGINEER \_\_\_\_\_

REPRESENTATIVE \_\_\_\_\_

DATE \_\_\_\_\_