MODEL B480

Grooved End Stainless Steel Butterfly Valve with Lever Handle

The Model B480 Grooved End Stainless Steel Butterfly Valve with Lever Handle is a grooved-end stainless steel butterfly valve designed for 300 psi service, supplied with a 10-position locking lever handle. The end-to-end dimensions conform to MSS SP-67. The body is investment cast in grade CF8M (Type 316) to ASTM A743 with integral neck and ISO mounting top flange. The neck height allows for pipe insulation up to two inches thick. The disc is a dual-seal type, encapsulated either with Grade "EN" EPDM for cold water services or with Grade "T" Nitrile for oil services. The Model B480 Stainless Steel Butterfly Valves with standard disc and Grade "EN" EPDM seat are UL classified to ANSI/NSF 61 and ANSI/NSF 372.

MAXIMUM WORKING PRESSURE: 300 psi (20 bar)

NSF® Certified to NSF/ANSI 61-G & 372

For additional listings or approvals, visit our website at www.anvilintl.com

MATERIALS OF CONSTRUCTION

VALVE BODY: CF8M (Type 316) Stainless Steel conforming to ASTM A743 or A351, or A744 which is UL Classified in accordance with ANSI/NSF 61 and ANSI/NSF 372 for potable water use up to 180°F (82°C)

STEMS: Stainless Steel Type 410 conforming to ASTM A582

DISC: CF8M (Type 316) Stainless Steel conforming to ASTM A743 or A351, or A744 which is UL Classified in accordance with ANSI/NSF 61 and Annex G for potable water use up to 180°F (82°C)

DISC ENCAPSULATION: Grade "EN" EPDM Rubber Classified in accordance with ANSI/NSF 61 and ANSI/NSF 372 for potable water use up to 180°F (82°C), or Grade "T" Nitrile

O-RINGS: EPDM

SEAT MATERIAL:

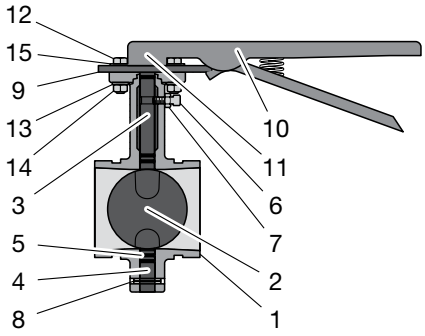
- Grade "EN" EPDM – For service temperatures from -30°F to 230°F (-34°C to 110°C). For general service. Recommended for water service, dilute acids, alkalies, oil-free air and many chemical services.

  Note: Not recommended for use in petroleum services.
- Grade "T" Nitrile – For service temperatures from -20°F to 180°F (-29°C to 82°C). Recommended for petroleum products, air with oil vapors, vegetable oils, and mineral oils.

  Note: Not recommended for use in hot water services.

Contact an Anvil Sales Representative for specific recommendations on seat material.

MATERIAL SPECIFICATIONS



1. **BODY:** Stainless Steel
2. **DISC:** Stainless Steel
3. **UPPER SHAFT:** Stainless Steel
4. **LOWER SHAFT:** Stainless Steel
5. **O-RING:** EPDM
6. **HEX SOCKET SET SCREW:** Stainless Steel
7. **HEX NUT:** Stainless Steel
8. **ROLL PIN:** Spring Steel
9. **THROTTLE PLATE:** Stainless Steel
10. **LEVER-LOCK HANDLE ASSEMBLY:** Stainless Steel
11. **ROLL PIN:** Spring Steel
12. **HEX BOLT:** Stainless Steel
13. **LOCK WASHER:** Stainless Steel
14. **HEX NUT:** Stainless Steel
15. **FLAT WASHER:** Stainless Steel

PROJECT INFORMATION	APPROVAL STAMP
Project:	☐ **Approved**
Address:	☐ **Approved as noted**
Contractor:	☐ **Not approved**
Engineer:	**Remarks:**
Submittal Date:	
Notes 1:	
Notes 2:	

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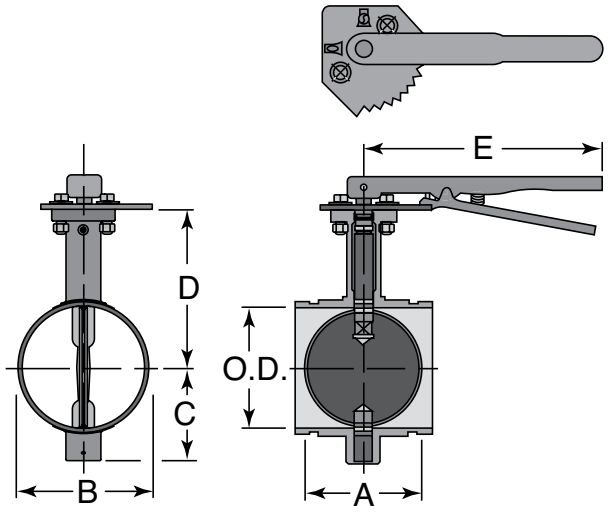

B480 STAINLESS STEEL BUTTERFLY VALVE

Valve Size	O.D.	Operating Torque	Dimensions					Approx. Wt. Ea.
			A	B	C	D	E	
In./mm	*In./mm*	*In-lb/Nm*	*In./mm*	*In./mm*	*In./mm*	*In./mm*	*In./mm*	*Lbs./Kg*
2 *50*	2.375 *60.3*	78 *8.80*	3.19 *81*	2.756 *70*	2.480 *63*	4.17 *106*	10.0 *254*	5.0 *2.,3*
2½ *65*	2.875 *73.0*	84 *9.50*	3.81 *97*	3.386 *86*	2.677 *68*	4.28 *111*	10.0 *254*	7.0 *3,2*
76.1mm *65*	3.000 *76.1*	84 *9.50*	3.81 *97*	3.386 *86*	2.677 *68*	4.28 *111*	10.0 *254*	7.0 *3,2*
3 *80*	3.500 *88.9*	95 *10.7*	3.81 *97*	3.858 *98*	2.992 *76*	4.97 *126*	10.0 *254*	6.6 *3,5*
4 *100*	4.500 *114.3*	200 *22.6*	4.56 *116*	4.882 *124*	3.504 *89*	5.33 *135*	10.0 *254*	11.0 *5,0*
165.1mm *150*	6.500 *165.1*	310 *34.9*	5.81 *148*	7.008 *178*	4.488 *114*	6.62 *168*	10.0 *254*	20.2 *9,2*
6 *150*	6.625 *168.3*	310 *34.9*	5.81 *148*	7.008 *178*	4.488 *114*	7.25 *184*	10.0 *254*	20.2 *9,2*

These torque values were derived from test data with non-lubricated valves in water, non-pressurized at ambient temperatures

For information on alternative sizes, contact an Anvil Sales Representative.

Note: The torque values are based on liquid applications. For dry or non-lubricating applications add a 25% service factor to the above values.

MODEL B480 GROOVED END STAINLESS STEEL BUTTERFLY VALVE
NOMINAL PRESSURE LOSS VS FLOW