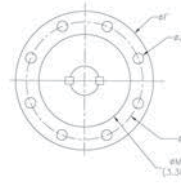
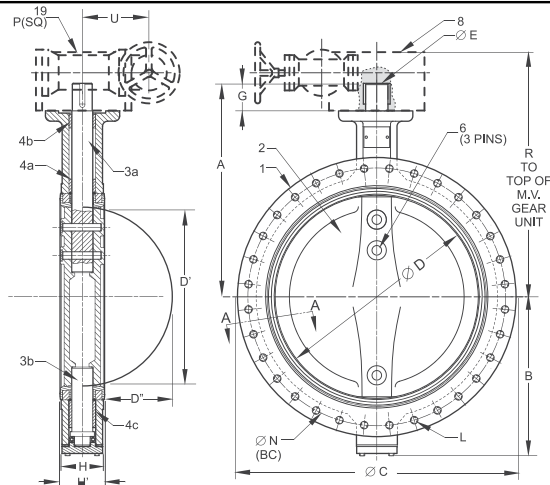


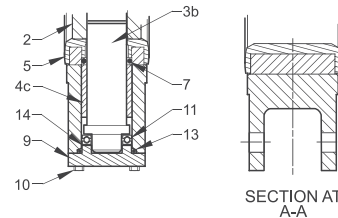


ML Series* 30" - 48"

Iron Butterfly Valve
150 psi Non-Shock WOG
ASME B16.47 Series A Flanges
Specifications: API-609 MSS SP-67 Type 1



DETAIL OF VALVE STEM



SECTION AT A-A

MATERIALS LIST

ITEM	PART	MATERIALS
1	BODY	CAST IRON ASTM A126 CL. B DUCTILE IRON ASTM A536
2	DISC	ALUMINUM BRONZE ASTM B 148 ** C95400 NP DUCTILE IRON ASTM A536 STAINLESS STEEL ASIM A351 CF8M
3a	UPPER STEM	STAINLESS STEEL TYPE 416 (2)
3b	LOWER STEM	STAINLESS STEEL TYPE 416 (2)
4a	UPPER STEM BEARING, SHORT	CAST BRASS
4b	UPPER STEM BEARING, LONG	CAST BRASS
4c	LOWER STEM BEARING	CAST BRASS
5	LINER	BUNA EPDM VITON
6	STEM PIN	STAINLESS STEEL TYPE 302
7	LINER O-RING	BUNA
8	OPERATOR	GEAR OPERATOR ACTUATOR-AIR/AIR (1) ACTUATOR-AIR/SPRING (1) ACTUATOR-ELECTRIC (1)
9	BOTTOM CAP	ASTM-1-126 CLB
10	BOTTOM CAP FASTENING BOLTS	STEEL
11	THRUST BEARING	AISI-1020
12	KEY	STEEL
13	BOTTOM CAP O-RING	BUNA
14	THRUST BEARING GASKET	ASTM A570 Gr. 33

DIMENSIONS

	INCHES DN	VALVE SIZE			
		30	36	42	48
A	INCHES	29.37	33.00	39.69	42.94
	mm	746	838	1008	1090
B	INCHES	22.05	25.83	30.60	34.02
	mm	580	656	777	864
C	INCHES	36.00	45.98	49.50	56.00
	mm	914	1168	1257	1422
D	INCHES	29.29	34.04	40.55	45.67
	mm	744	864	1030	1160
D ¹ (Chord Dia.)	INCHES	28.56	33.10	39.33	44.35
	mm	725	840	999	1126
D ¹¹ (Intrusion)	INCHES	11.30	13.00	15.20	17.10
	mm	287	330	386	434
E	INCHES	2.49	2.95	3.74	4.13
	mm	63	75	95	105
F (Mtg. Flange)	INCHES	11.81	11.81	11.81	13.78
	mm	300	300	300	350
G	INCHES	3.00	4.50	6.00	6.00
	mm	76	114	152	152
H (Body Width)	INCHES	6.57	8.00	9.88	10.88
	mm	167	203	251	276
H ¹ (Liner Width)	INCHES	6.81	8.31	10.27	11.26
	mm	173	211	261	286
J	INCHES	0.71			0.87
	mm	18			22
K B.C.	INCHES	10.00			11.73
	mm	254			298
L	No. of Holes (per Flange)	28	32	36	44
	Thread	125UNC-2B	1.50 UNC-2B		
	Bolt Size	1.25-7x5	1.5-6x6.25		
M	INCHES	7.87			9.06
	mm	200			230
N	INCHES	36.00	42.75	49.50	56.00
	mm	914	1086	1257	1422
P (Square Key Size)	INCHES	0.71	0.79	0.98	1.10
	mm	18	20	25	28
R	INCHES	32.40	38.50	43.90	49.20
	mm	823	978	1115	1249
U	INCHES	9.57	10.94	10.94	18.03
	mm	243	278	278	458

(1) - Consult Automation Department.
(2) - CF8M Disc Carries 316 Stem.

***Note:** The wetted surface of this product (In any material combination.) contacted by consumable water contains less than one quarter of one percent (.25%) of lead by weight.

****Recommend**
Aluminum Bronze Disc
in Water Service

Accurate as of 5/25/17. For the
most current information access
www.milwaukeevalve.com

M
VALVE SERIES
H - H SERIES (250 PSI)
M - M SERIES
O - O SERIES
U - U SERIES (75 psi)

L
BODY STYLE
L - LUG BODY
W - WAFER BODY

2
OPERATOR
1 - VALVE ONLY
2 - LEVER HANDLE
3 - GEAR OPERATOR
5 - GEAR w/MEMORY STOP
9 - GEAR w/LOCK
N - BURIED SERVICE GEAR
OPERATION w/2" SQ. NUT
PNEUMATIC AND ELECTRIC
ACTUATION OPTIONS AVAILABLE.
PLEASE CONSULT FACTORY.

3
BODY MATERIAL
2 - CAST IRON*
3 - DUCTILE IRON
*MILWAUKEE VALVE
RESERVES THE RIGHT
TO UPGRADE TO DI
BODY WITHOUT NOTICE
FOR NO
ADDITIONAL COST.

4
DISC MATERIAL
2 - NICKEL PLATED DUCTILE IRON
3 - ALUMINUM/BRONZE
4 - CF8M(316) STAINLESS STEEL
7 - NYLON COATED DUCTILE IRON
8 - EPOXY COATED DUCTILE IRON

E
LINER MATERIAL
B - BUNA-N
E - EPDM
H - HYPALON
NB - FDA BLACK NEOPRENE
NW - FDA WHITE NEOPRENE
T - TEFLON OVER BUNA
(AVAILABLE w/SS DISC
ONLY)
V - VITON

A
SPECIAL OPTIONS
S - 316 STEM W/AB OR NP DISC
A - EPOXY COATED BODY
AD - ASSEMBLE DRY-NO

