

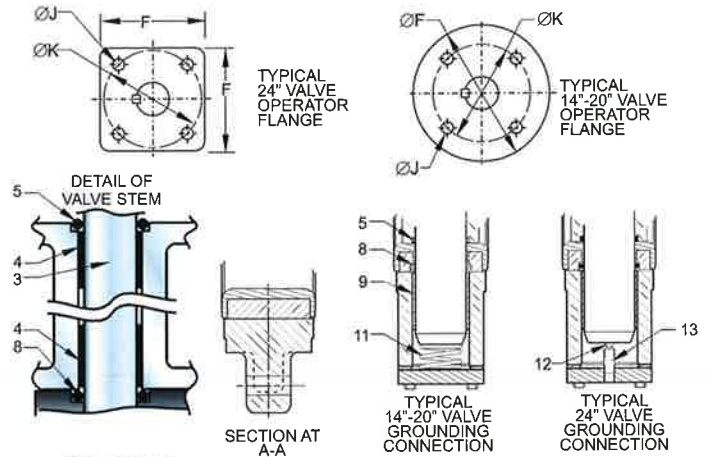
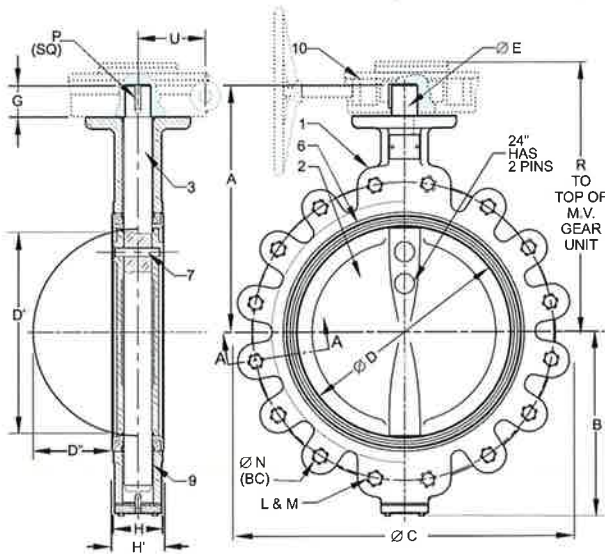
BUTTERFLY VALVE

14" - 24" 150 PSI (1035 kPa)

ML SERIES*

Specifications: API-609
MSS SP-67

Dead End Service to 150 psi



MAJOR COMPONENTS LIST

ITEM	PARTS NAME	MATERIAL
1	BODY	CAST IRON ASTM A126 CL.B
		CAST IRON EPOXY COATED
		DUCTILE IRON ASTM A536
		DUCTILE IRON EPOXY COATED
2	DISC	NP DUCTILE IRON-ASTM A536
		ALUMINUM BRONZE-ASTM B148 **
3	STEM	STAINLESS STEEL ASTM A351 CF8M
		STAINLESS STEEL TYPE 416
4	TOP BEARING	REINFORCED NYLON
		STAINLESS STEEL TYPE 316 (3)
5	STEM O-RING	EPDM, BUNA, VITON (1)
		BUNA
6	LINER	EPDM
		VITON
7	STEM PIN	HYPALON
		ANSI 4140 OR AISI 6150
8	LINER O-RING	EPDM, BUNA, VITON (1)
9	LOWER BEARING	REINFORCED NYLON
10	OPERATOR	GEAR OPERATOR
		GEAR OP W/ MEMORY STOP
		GEAR OP W/ LOCK
		ACTUATOR AIR/AIR (2)
11	GROUNDING SPRING	ACTUATOR AIR/SPRING (2)
		ACTUATOR ELECTRIC (2)
12	GROUNDING BALL	STAINLESS STEEL TYPE 302
13	TENSION SCREW	AISI - 1022

- (1)- O-Ring Matches Liner; Viton Default if no Direct Match.
(2)- Consult Automation Department.
(3)- 316 Stainless Stem used with CF8M Disc.

DIMENSIONS

	INCHES	VALVE SIZE			
		14	16	18	24
A	mm	356	406	457	508
	INCHES	15.50	16.75	18.50	19.75
B	mm	393.7	425.5	469.9	501.7
	INCHES	11.56	12.69	13.63	15.13
C	mm	293.6	322.3	346.2	384.3
	INCHES	21.00	23.50	25.00	27.50
D	mm	533.4	596.9	635.0	698.5
	INCHES	13.25	15.50	17.25	19.25
D'	mm	336.6	393.7	438.2	489.0
	INCHES	13.53	14.97	16.91	18.84
Chord Dia. D"	mm	343.7	380.2	429.5	478.5
	INCHES	5.0	5.8	6.4	7.1
Intrusion	mm	127.3	146.1	162.1	181.1
	INCHES	1.625	1.625	2.125	2.125
E	mm	41.3	41.3	54.0	54.0
	INCHES	6.50	6.50	9.50	9.50
F	mm	165.1	165.1	241.3	241.3
	INCHES	2.00	2.00	3.00	3.06
G	mm	50.8	50.8	76.2	76.2
	INCHES	3.06	4.00	4.50	5.00
H	mm	77.7	101.6	114.3	127.0
	INCHES	3.19	4.13	4.63	5.13
Body H'	mm	81.0	104.9	117.6	130.3
	INCHES	0.688	0.688	0.813	0.813
Liner	mm	17.5	17.5	20.6	20.6
	INCHES	5.250	5.250	7.500	7.500
J	mm	133.4	133.4	190.5	190.5
	INCHES	5.250	5.250	7.500	7.500
K	mm	133.4	133.4	190.5	190.5
	INCHES	5.250	5.250	7.500	7.500
L	No. of Holes	12	16	16	20
	Thread Size	1-8	1-8	1 1/8-7	1 1/8-7
M	mm	18.75	21.25	22.75	25.00
	INCHES	0.738	0.838	0.899	0.984
N	mm	476.3	539.8	577.9	635.0
	INCHES	18.75	21.25	22.75	25.00
P	mm	9.5	9.5	12.7	12.7
	INCHES	0.375	0.375	0.500	0.500
Key Size	mm	17.25	18.75	19.63	20.88
	INCHES	0.680	0.738	0.773	0.821
R	mm	438.2	476.3	498.5	530.4
	INCHES	17.25	18.75	19.63	20.88
U	mm	3.13	3.13	4.50	4.50
	INCHES	0.123	0.123	0.177	0.177

Rev. 8

***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.**

The information presented on this sheet is correct at the time of publication. Milwaukee Valve reserves the right to change design, and/or material specifications without notice. For the Installation, Operation and Maintenance Manual (IOM) see the engineering section on our website. For the most current information access www.milwaukeevalve.com



M L 2 3 4 V A

VALVE SERIES	BODY STYLE	OPERATOR	BODY MATERIAL	DISC MATERIAL	LINER MATERIAL	SPECIAL OPTIONS
C - C SERIES	1 - LUG BODY	1 - VALVE ONLY	2 - CAST IRON*	2 - NICKEL PLATED DUCTILE IRON	B - BUNA-N	S - 316 STEM W/AB OR NP DISC
H - H SERIES (250 psi)	2 - WAFER BODY	2 - LEVER HANDLE	3 - DUCTILE IRON	3 - ALUMINUM/BRONZE	E - EPDM	A - EPOXY COATED BODY
M - M SERIES		3 - GEAR OPERATOR		4 - CF8M(316) STAINLESS STEEL	H - HYPALON	AD - ASSEMBLE DRY
O - O SERIES		5 - GEAR W/MEMORY STOP	* MILWAUKEE VALVE RESERVES THE RIGHT TO UPGRADE TO DI BODY WITHOUT NOTICE FOR NO ADDITIONAL COST.	7 - NYLON COATED DUCTILE IRON	NB - FDA BLACK NEOPRENE	LF - LOW FRICTION (Consult Factory)
U - U SERIES (50 psi)		9 - GEAR W/LOCKOUT		8 - EPOXY COATED DUCTILE IRON	NW - FDA WHITE NEOPRENE	
		N - BURIED SERVICE GEAR OPERATION W/2" SQUARE NUT			T - TEFLON (BUNA SUBSTITUTE) (AVAILABLE W/SS DISC AND STEM ONLY)	
					V - VITON	

C-SERIES IS AVAILABLE ONLY IN CAST IRON WAFER OR LUG BODY WITH AL/BRZ DISC, EODM LINER, LEVER OR GEAR OPERATOR.