

BUTTERFLY VALVE

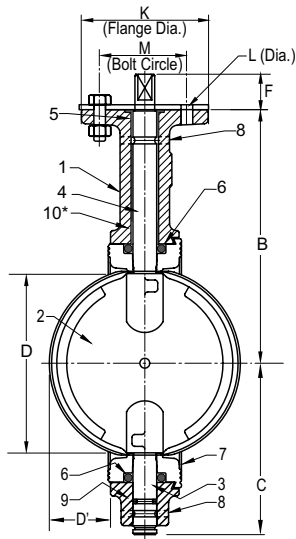
2"-12" - 200 PSI (1380 kPa)

ML SERIES

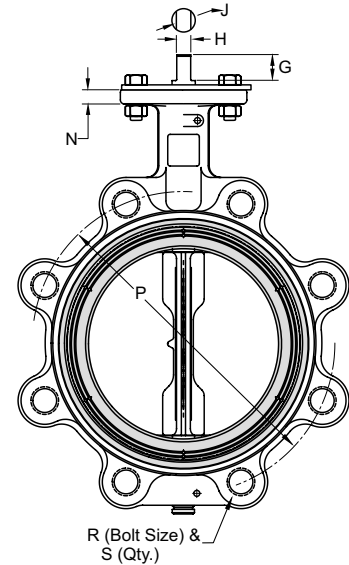
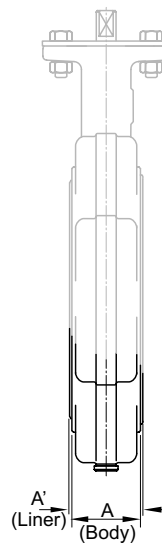
Specifications: API-609
MSS SP-67

Approved by U.S. Coast Guard
for use in Category A service as
described in Title 46 Code of
Federal Regulations 56.20-15.

U Series with undercut disc
available @ 50 psi, please
consult factory.



Dead End
Service to
150 psi



ITEM	PARTS NAME	MATERIAL
1	BODY	CAST IRON-ASTM A126 CL B
		CAST IRON-EPOXY COATED
		CAST IRON-NYLON COATED
		DUCTILE IRON-ASTM A536
		DUCTILE IRON-EPOXY COATED
2	DISC	NP DUCTILE IRON-ASTM A536
		ALUMINUM BRONZE-ASTM B148
		STAINLESS STEEL-ASTM A351 CF8M
3	BOTTOM STEM	NYLON COATED DUCTILE IRON
		EPOXY COATED DUCTILE IRON
4	TOP STEM	STAINLESS STEEL TYPE 316 (2)
5	TOP BEARING SEAL	THERMOSET POLYMER
6	SEAL	EPDM, BUNA, VITON(1)
7	LINER	BUNA
		EPDM
		VITON
		VITON-GFLT
		HYPALON
		NEOPRENE BLACK-FDA
		NEOPRENE WHITE-FDA
8	ROLL PIN	TEFLON OVER BUNA (150# WOG)
9	STEM SEAL	STAINLESS STEEL
10*	LOWER BEARING	EPDM, BUNA, VITON(1)
11	OPERATOR	THERMOSET POLYMER
		LEVER HANDLE
		EPOXY COATED LEVER
		GEAR OPERATOR
		GEAR OP W/ MEMORY STOP
		GEAR OP W/ LOCK
		ACTUATOR-AIR/AIR
		ACTUATOR-AIR/SPRING
		ACTUATOR-ELECTRIC

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(1) VITON O-RINGS ARE USED WITH HYPALON, NEOPRENE, AND TEFLON LINERS.

(2) 316 STEM USED WITH CF8M DISC.

DIMENSIONS

	INCHES	2	2-1/2	3	4	5	6	8	10	12
	mm	50	65	80	100	125	150	200	250	300
A (Body)	INCHES	1.69	1.81	1.81	2.07	2.19	2.19	2.38	2.69	3.06
	mm	42.9	46.1	46.0	52.5	55.6	55.6	60.3	68.3	78.0
A' (Liner)	INCHES	1.82	1.94	1.94	2.20	2.32	2.31	2.51	2.82	3.21
	mm	46.1	49.1	49.1	55.8	58.8	58.7	63.6	71.5	82.0
B	INCHES	5.50	6.00	6.25	7.00	7.53	8.00	9.38	10.19	12.06
	mm	139.7	152.4	158.8	177.8	191.3	203.2	238.1	258.8	306.4
C	INCHES	3.06	3.31	3.75	4.25	4.94	5.56	6.56	7.88	9.25
	mm	77.8	84.1	95.3	108.0	125.4	141.3	166.7	200.0	235.0
D (Chord Dia)	INCHES	1.49	2.01	2.64	3.67	4.71	5.66	7.72	9.70	11.68
	mm	37.8	51.1	67.1	93.2	119.6	143.8	196.1	246.4	296.7
D' (Intrusion)	INCHES	0.28	0.44	0.69	1.06	1.50	1.94	2.84	3.69	4.50
	mm	7.1	11.1	17.5	27.0	38.1	49.2	72.2	93.7	114.3
F	INCHES	1.13	1.13	1.13	1.13	1.13	1.13	1.50	1.50	1.50
	mm	28.6	28.6	28.6	28.6	28.6	28.6	38.1	38.1	38.1
G	INCHES	0.81	0.81	0.81	0.81	0.81	0.81	1.06	1.06	1.06
	mm	20.6	20.6	20.6	20.6	20.6	20.6	27.0	27.0	27.0
H	INCHES	0.35	0.35	0.35	0.40	0.40	0.44	0.53	0.71	0.71
	mm	8.9	8.9	8.9	10.2	10.2	11.2	13.5	18.0	18.0
J	INCHES	0.50	0.50	0.50	0.56	0.56	0.62	0.75	1.00	1.00
	mm	12.6	12.6	12.6	14.2	14.2	15.8	19.0	25.4	25.4
K	INCHES	4	4	4	4	4	4	6	6	6
	mm	11.1	11.1	11.1	11.1	11.1	11.1	14.3	14.3	14.3
L (Dia)	INCHES	3.25	3.25	3.25	3.25	3.25	3.25	5.00	5.00	5.00
	mm	82.6	82.6	82.6	82.6	82.6	82.6	127.0	127.0	127.0
M	INCHES	0.44	0.44	0.44	0.44	0.44	0.44	0.50	0.50	0.50
	mm	11.1	11.1	11.1	11.1	11.1	11.1	12.7	12.7	12.7
N	INCHES	4.75	5.50	6.00	7.50	8.50	9.50	11.75	14.25	17.00
	mm	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362.0	431.8
P	INCHES	5/8-11	5/8-11	5/8-11	5/8-11	3/4-10	3/4-10	3/4-10	7/8-9	7/8-9
	mm	12.6	12.6	12.6	14.2	19.0	19.0	19.0	25.4	25.4
R	INCHES	4	4	4	8	8	8	8	12	12
	mm	101.6	101.6	101.6	203.2	203.2	203.2	203.2	304.8	304.8
S	INCHES	4	4	4	8	8	8	8	12	12
	mm	101.6	101.6	101.6	203.2	203.2	203.2	203.2	304.8	304.8

bflydimL0.xls Rev. 4

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MILWAUKEE VALVE

