VALVES / HOSES / FITTINGS

MW Series* 2”- 12”

SHIPSERV Onboard SS19-1633

Iron Butterfly Valve
200 psi Non-Shock WOG
U Series With Undercut Disc Available @ 50 psi
For Dead End Service use ML Series
Specifications: API-609 MSS SP-67 Type 1

MATERIALS LIST

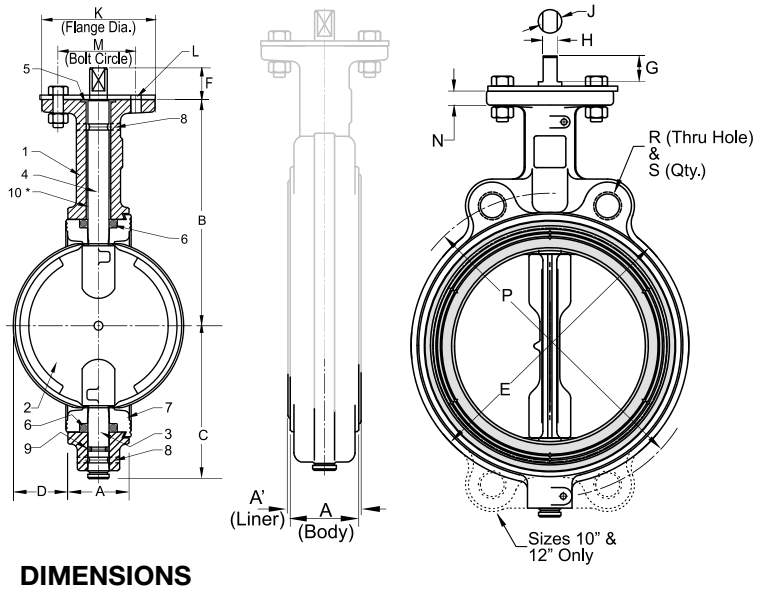
ITEM	PART	MATERIALS
1	BODY	CAST IRON ASTM A126 CL.B
		CAST IRON EPOXY COATED
		DUCTILE IRON ASTM A536
		DUCTILE IRON-EPOXY COATED
2	DISC	DUCTILE IRON-NYLON COATED
		NP DUCTILE IRON ASTM A536
		ALUMINUM BRONZE ASTM B 148 **
		STAINLESS STEEL TYPE 316
		NYLON COATED DUCTILE IRON
		EPOXY COATED DUCTILE IRON
3	BOTTOM STEM	STAINLESS STEEL TYPE 416
		STAINLESS STEEL TYPE 316
4	TOP STEM	STAINLESS STEEL TYPE 416
		STAINLESS STEEL TYPE 316
5	TOP BEARING	REINFORCED NYLON
6	SEAL	EPDM, BUNA, VITON (1)
7	LINER	BUNA
		EPDM
		VITON
		HYPALON
		NEOPRENE BLACK-FDA
		NEOPRENE WHITE-FDA
		TEFLON OVER BUNA (150# WOG)
8	ROLL PIN	STAINLESS STEEL
9	STEM SEAL	EPDM, BUNA, VITON (1)
10	LOWER BEARING	REINFORCED NYLON
11	OPERA-TOR	LEVER HANDLE
		EPOXY COATED LEVER HANDLE
		GEAR OPERATOR
		GEAR OPERATOR WITH MEMORY STOP
		GEAR OPERATOR WITH LOCK
		ACTUATOR-AIR/AIR
		ACTUATOR-AIR/SPRING
		ACTUATOR-ELECTRIC

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

***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



DIMENSIONS

		VALVE SIZE								
	INCHES	2	2-1/2	3	4	5	6	8	10	12
	DN	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	43	46	46	52	55	55	60	68	78
A[1] (Liner)	INCHES	1.82	1.94	1.94	2.20	2.32	2.32	2.51	2.82	3.21
	mm	46	49	49	55	58	58	63	71	82
B	INCHES	5.50	6.00	6.25	7.00	7.53	8.00	9.38	10.56	12.06
	C mm	139	152	158	177	191	203	238	268	306
C	INCHES	3.06	3.31	3.75	4.25	4.94	5.56	5.56	7.88	9.25
	mm	77	84	95	108	125	141	166	200	235
D (Chord Dia)	INCHES	1.49	2.01	2.64	3.67	4.71	5.66	7.72	9.70	11.68
	mm	37	51	67	93	119	143	196	246	296
D[1] (Intrusion)	INCHES	0.28	0.44	0.69	1.06	1.50	1.94	2.84	3.69	4.50
	mm	7	11	17	27	38	49	72	93	114
E	INCHES	4.13	4.88	5.38	6.88	7.75	8.75	11.00	13.38	16.13
	mm	105	124	137	175	197	222	279	340	410
F	INCHES	1.13	1.13	1.13	1.13	1.13	1.13	1.50	1.50	1.50
	mm	28	28	28	28	28	28	38	38	38
G	INCHES	0.81	0.81	0.81	0.81	0.81	0.81	1.06	1.06	1.06
	mm	20	20	20	20	20	20	27	27	27
H	INCHES	0.35	0.35	0.35	0.40	0.40	0.44	0.53	0.71	0.71
	mm	8	8	8	10	10	11	13	18	18
J	INCHES	0.50	0.50	0.50	0.56	0.56	0.62	0.75	1.00	1.00
	mm	12	12	12	14	14	14	19	25	25
K		4	4	4	4	4	4	6	6	6
L (Dia)	INCHES	0.44	0.44	0.44	0.44	0.44	0.44	0.56	0.56	0.56
	mm	11	11	11	11	11	11	14	14	14
M	INCHES	3.25	3.25	3.25	3.25	3.25	3.25	5.00	5.00	5.00
	mm	82	82	82	82	82	82	127	127	127
N	INCHES	0.44	0.44	0.44	0.44	0.44	0.44	0.50	0.50	0.50
	mm	11	11	11	11	11	11	12	12	12
P	INCHES	4.75	5.50	6.00	7.50	8.50	9.50	11.75	14.25	17.00
	mm	120	139	152	190	215	241	298	362	431
R		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
S		2	2	2	2	2	2	2	4	4

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.

3
BODY MATERIAL
2 - CAST IRON*
3 - DUCTILE IRON
*MILWAUKEE VALVE RESERVIES 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 DUVCTILE 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

MILWAUKEE VALVE