



ML Series-REV. D * 2"-12"



ABS Type Approved; Cat. A
CFR-46

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 ASTM A351 CF8M
		NYLON COATED DUCTILE IRON
3	BOTTOM STEM	EPOXY COATED DUCTILE IRON
		STAINLESS STEEL TYPE 416
4	TOP STEM	STAINLESS STEEL TYPE 316 (2)
		STAINLESS STEEL TYPE 416
5	TOP BEARING	STAINLESS STEEL TYPE 316 (2)
6	SEAL	REINFORCED NYLON
7	LINER	EPDM, BUNA, VITON (1)
		BUNA
		EPDM
		VITON
		HYPALON
		NEOPRENE BLACK-FDA
		NEOPRENE WHITE-FDA
8	ROLL PIN	TEFLON OVER BUNA (150 WOG)
		STAINLESS STEEL
9	STEM SEAL	STAINLESS STEEL
10	LOWER BEARING	EPDM, BUNA, VITON (1)
11	OPERATOR	REINFORCED NYLON
		LEVER HANDLE
		EPOXY COATED LEVER HANDLE
		GEAR OPERATOR
		GEAR OPERATOR WITH MEMORY STOP
		GEAR OPERATOR WITH LOCK
		ACTUATOR-AIR/AIR
12	RETAINING RING	ACTUATOR-AIR/SPRING
		ACTUATOR-ELECTRIC
		1066 SPRING STEEL (65Mn)

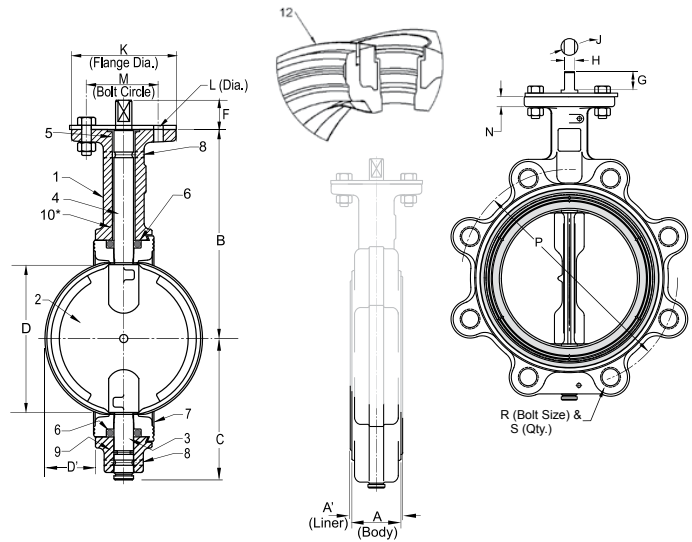
(1) - VITON O-RINGS ARE USED WITH HYPALON, NEOPRENE, AND TEFLON LINERS.

(2) 316 STEM USED WITH CF8M DISC ** EPDM AND BUNA LINER ONLY

***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

	INCHES DN	VALVE SIZE								
		2	2-1/2	3	4	5	6	8	10	12
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
	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
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	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
L (Dia)	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
M	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
N	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
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	12	12	14	14	14	19	25	25
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

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
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

