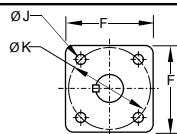
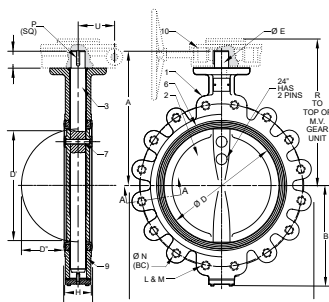
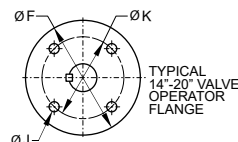
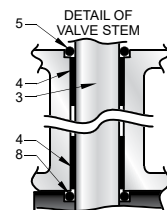
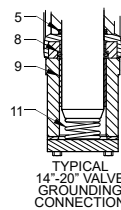
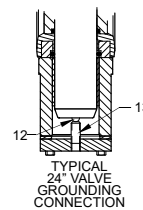


ML Series* 14"-24"



ABS Type Approved; Cat. A
CFR-46

TYPICAL
24" VALVE
OPERATOR
FLANGETYPICAL
14"-20" VALVE
OPERATOR
FLANGESECTION AT
A-ATYPICAL
14"-20" VALVE
GROUNDING
CONNECTIONTYPICAL
24" VALVE
GROUNDING
CONNECTION

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	NP DUCTILE IRON ASTM A536
		ALUMINUM BRONZE ASTM B 148 **
		STAINLESS STEEL ASTM A351 CF8M
3	STEM	STAINLESS STEEL TYPE 416
		STAINLESS STEEL TYPE 316 (3)
4	TOP BEARING	REINFORCED NYLON
5	STEM O-RING	EPDM, BUNA, VITON (1)
6	LINER	BUNA
		EPDM
		VITON
		HYPALON
7	STEM PIN	ANSI 4140 OR AISI 6150
8	LINER O-RING	EPDM, BUNA, VITON (1)
9	LOWER BEARING	REINFORCED NYLON
10	OPERATOR	GEAR OPERATOR
		GEAR OPERATOR WITH MEMO- RY STOP
		GEAR OPERATOR WITH LOCK
		ACTUATOR-AIR/AIR (2)
		ACTUATOR-AIR/SPRING (2)
		ACTUATOR-ELECTRIC (2)
11 14"-20"	GROUNDING SPRING	STAINLESS STEEL TYPE 302
12 24" Only	GROUNDING BALL	AISI-1022
13 24" Only	TENSION SCREW	AISI-1020

DIMENSIONS

	INCHES DN	VALVE SIZE			
		14	16	18	20
		352	406	457	508
		610			
A	INCHES	15.50	16.75	18.50	19.75
	mm	398	425	469	501
B	INCHES	11.56	12.69	13.63	15.13
	mm	258	322	346	384
C	INCHES	21.00	23.50	25.00	27.50
	mm	533	596	635	698
D	INCHES	13.25	15.50	17.25	19.25
	mm	336	398	438	489
D ¹ (Chord Dia.)	INCHES	13.53	14.97	16.91	18.84
	mm	343	380	429	478
D ¹¹ (Intrusion)	INCHES	5.00	5.80	6.40	7.10
	mm	127	146	162	181
E	INCHES	1.63	1.63	2.13	2.13
	mm	41	41	54	54
F	INCHES	6.50	6.50	9.50	9.50
	mm	165	165	241	241
G	INCHES	2.00	2.00	3.00	3.00
	mm	50	50	76	76
H (Body)	INCHES	3.06	4.00	4.50	5.00
	mm	77	101	114	127
H ¹ (Liner)	INCHES	3.19	4.13	4.63	5.13
	mm	81	104	117	130
J	INCHES	0.69	0.69	0.81	0.81
	mm	17	17	20	20
K	INCHES	5.25	5.25	7.50	7.50
	mm	133	133	190	190
L	No. of Holes	12	16	16	20
M	Thread Size	1-8	1-8	1 1/8-7	1 1/8-7
N	INCHES	18.75	21.25	22.75	25.00
	mm	476	530	577	635
P (Key Size)	INCHES	0.38	0.38	0.50	0.50
	mm	9	9	12	12
R	INCHES	17.25	18.75	19.63	20.88
	mm	438	476	458	530
U	INCHES	3.13	3.13	4.50	4.50
	mm	79	79	114	114

(1) - O-Ring Matches Liner; Viton Default if no Direct Match.

(2) - Consult Automation Department.

(3) - 316 Stainless Steel used with CF8M Disc.

** Recommend Aluminum Bronze Disc in Water Service.

*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 - ASSEMBLY DRY-NO

