

BUTTERFLY VALVE

CL SERIES-rev. C

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

REVISION "C" = INTERNATIONAL

RATINGS

200 PSI Butterfly Valve
Non Shock Water, Oil,
Gas

SPECIFICATIONS

MSS SP-67 (Design)
API-609

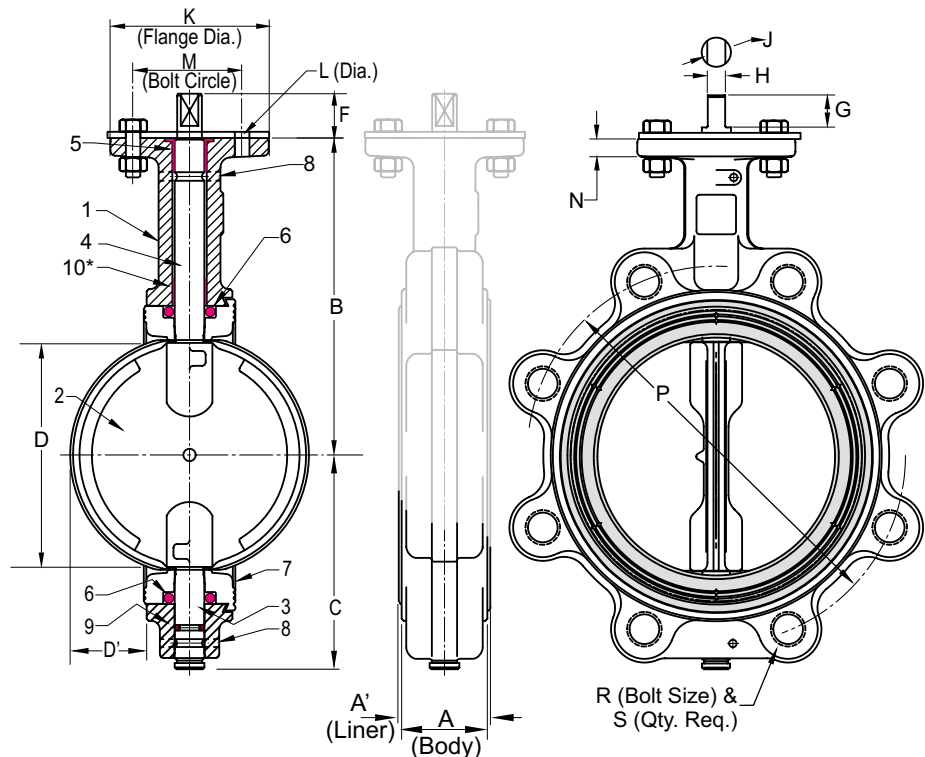
FEATURES

Heavy Duty Design
Extended Neck Body
Phenolic Cartridge Design
Low Profile Disc
Low Torque Liner
Blowout Proof Stems
Bubble Tight Shut-Off
Stainless Steel Stems-416
Low Torque Nylon Bearing
Bi-directional Shut off
Dead End Service to 150# PSI
Vacuum Ratings to 29"
Field Repairable

OPERATORS

10 Position, Pad Lockable,
Ductile Iron, Lever Handle - Std.

Weather Proof Gear Operator- 6" - 12"
Cast Iron Housing



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	3.19
	mm	42.9	46.1	46.0	52.5	55.6	55.6	60.3	68.3	81.0
A' (Liner)	INCHES	1.82	1.94	1.94	2.20	2.32	2.31	2.51	2.82	3.32
	mm	46.1	49.1	49.1	55.8	58.8	58.7	63.6	71.5	84.2
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		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	11.1	11.1	11.1	11.1	11.1	11.1	14.3	14.3	14.3
M	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
N	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
P	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
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		4	4	4	8	8	8	8	12	12

bflydimL0.xls

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 most current information access www.milwaukeevalve.com.

BUTTERFLY VALVE

CL SERIES-rev. C

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

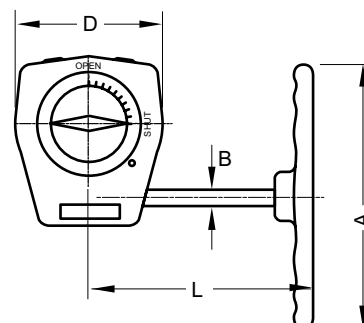
REVISION "C" = INTERNATIONAL

ITEM	PARTS NAME	MATERIAL
1	BODY	CAST IRON-ASTM A126 CL B
2	DISC	ALUMINUM BRONZE-ASTM B 148
3	BOTTOM STEM	STAINLESS STEEL TYPE 416
4	TOP STEM	STAINLESS STEEL TYPE 416
5	TOP BEARING	NYLON COMPOSITE
6	SEAL	EPDM
7	LINER	EPDM
8	ROLL PIN	STAINLESS STEEL
9	STEM SEAL	EPDM
10	LOWER BEARING	NYLON COMPOSITE
11	OPERATOR	LEVER HANDLE
		GEAR OPERATOR

CL_101000_MAT.XLS

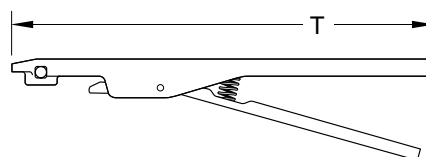
STANDARD OPERATORS

(Note, drawing is only for dimensional purposes, actual gear appearance will vary.)



VALVE SIZE	PART NUMBER	GEAR RATIO	A (H / W)	B (Shaft)	D	H (Hgt)	L
2-3	NA						
4-5	NA						
6	8115-24C-S	24:1	6	0.630	4.14	2.00	7.75
8	8115-30C-U	30:1	12	0.750	6.10	2.40	9.60
10-12	8115-30C-W	30:1	12	0.750	6.10	2.40	9.60

L_092600_GOI.XLS



VALVE SIZE	PART NUMBER (HANDLE KIT / HANDLE ONLY)		T
2-3	8687-LC-940	84016-L-940	9.70
4-5	8687-RC-940	84016-R-940	11.70
6	8687-SC-940	84016-S-940	11.70
8	8687-UC-940	84016-U-940	15.00
10-12	8687-WC-940	84016-W-940	15.00

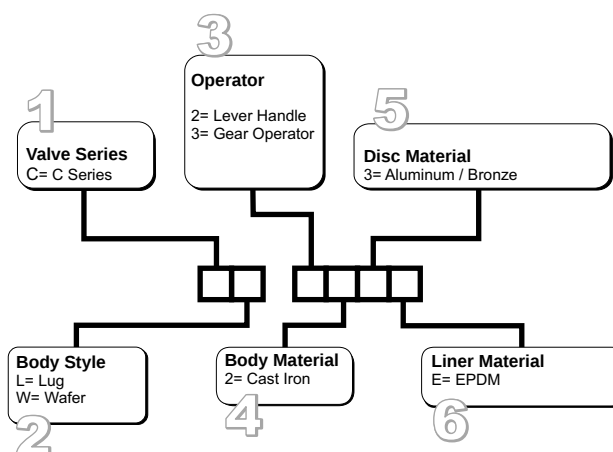
ML_092600_LHI.XLS

Ordering is as easy as 1-2-3...

For example,

CL 223E C

will order an C series, lug valve with a lever handle and a cast iron body. The disc in this example will be aluminum / bronze and the liner will be EPDM material.



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 most current information access www.milwaukeevalve.com.

