

BUTTERFLY VALVE

CL SERIES

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

RATINGS

200 PSI Butterfly Valve
Non Shock Water, Oil,
Gas

SPECIFICATIONS

MSS SP-67
API-609

FEATURES

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

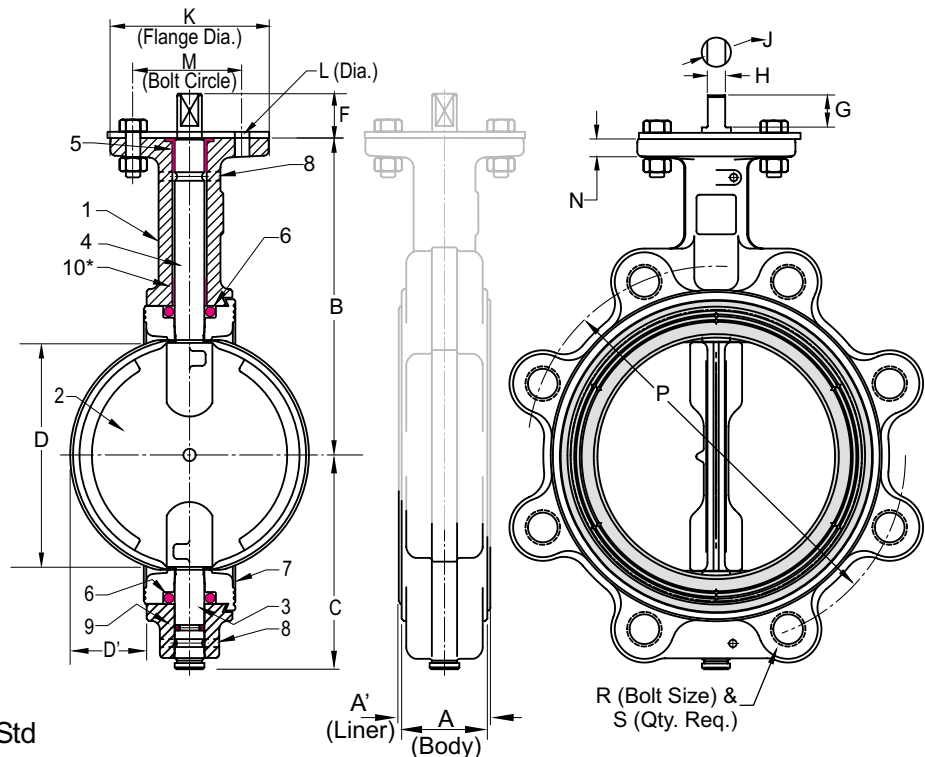
OPERATORS

10 Position, Pad Lockable,
Ductile Iron, Lever Handle - Std.
(Epoxy Coating - Optional)
Weather Proof Gear Operator - Std.
(Aluminum Housing thru 16", Cast
Iron Housing - 18"-24")
w/ Memory Stop - Optional
w/ Locking Device - Optional

ACTUATORS

Air to Air
Air to Spring
Electric

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www.milwaukeevalve.com



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

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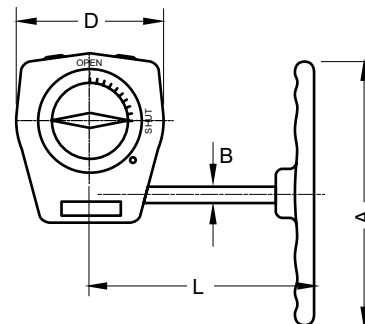
ITEM	PARTS NAME	MATERIAL
1	BODY	CAST IRON-ASTM A126 CL B
2	DISC	ALUMINUM BRONZE-ASTM B 148
3	BOTTOM STEM	STAINLESS STEEL TYPE 416
4	TOP STEM	STAINLESS STEEL TYPE 416
5	TOP BEARING	THERMOPLASTIC POLYMER
6	SEAL	EPDM
7	LINER	EPDM
8	ROLL PIN	STAINLESS STEEL
9	STEM SEAL	EPDM
10*	LOWER BEARING	THERMOPLASTIC POLYMER
11	OPERATOR	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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* Provided on 8", 10", 12".

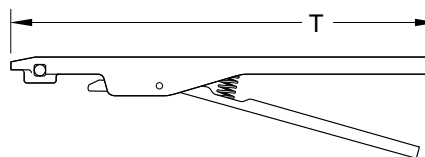
STANDARD OPERATORS

(Note, lever not available on sizes larger than 12")



VALVE SIZE	PART NUMBER	GEAR RATIO	A (H / W)	B (Shaft)	D	H (Hgt)	L
2-3	8115-24-300	28:1	6	0.625	4.82	2.38	6.93
4-5	8115-24-500	28:1	6	0.625	4.82	2.38	6.93
6	8115-24-600	28:1	6	0.625	4.82	2.38	6.93
8	8115-24-800	40:1	9	0.625	5.38	2.38	8.33
10-12	8115-24-1000	40:1	9	0.625	5.38	2.38	8.33
14-16	8115-48-16	40:1	12	0.750	6.88	2.73	9.56
18-20	8115-65-20	31:1	18	0.873	7.00	3.42	11.4
24	8115-78-24	64:1	18	0.873	9.00	3.55	15.7

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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

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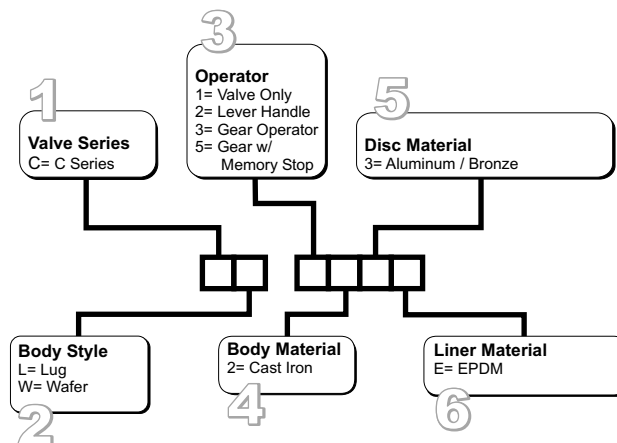
Ordering is as easy as 1-2-3...

For example,

CL 223E

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 unit is assembled using standard practice.



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