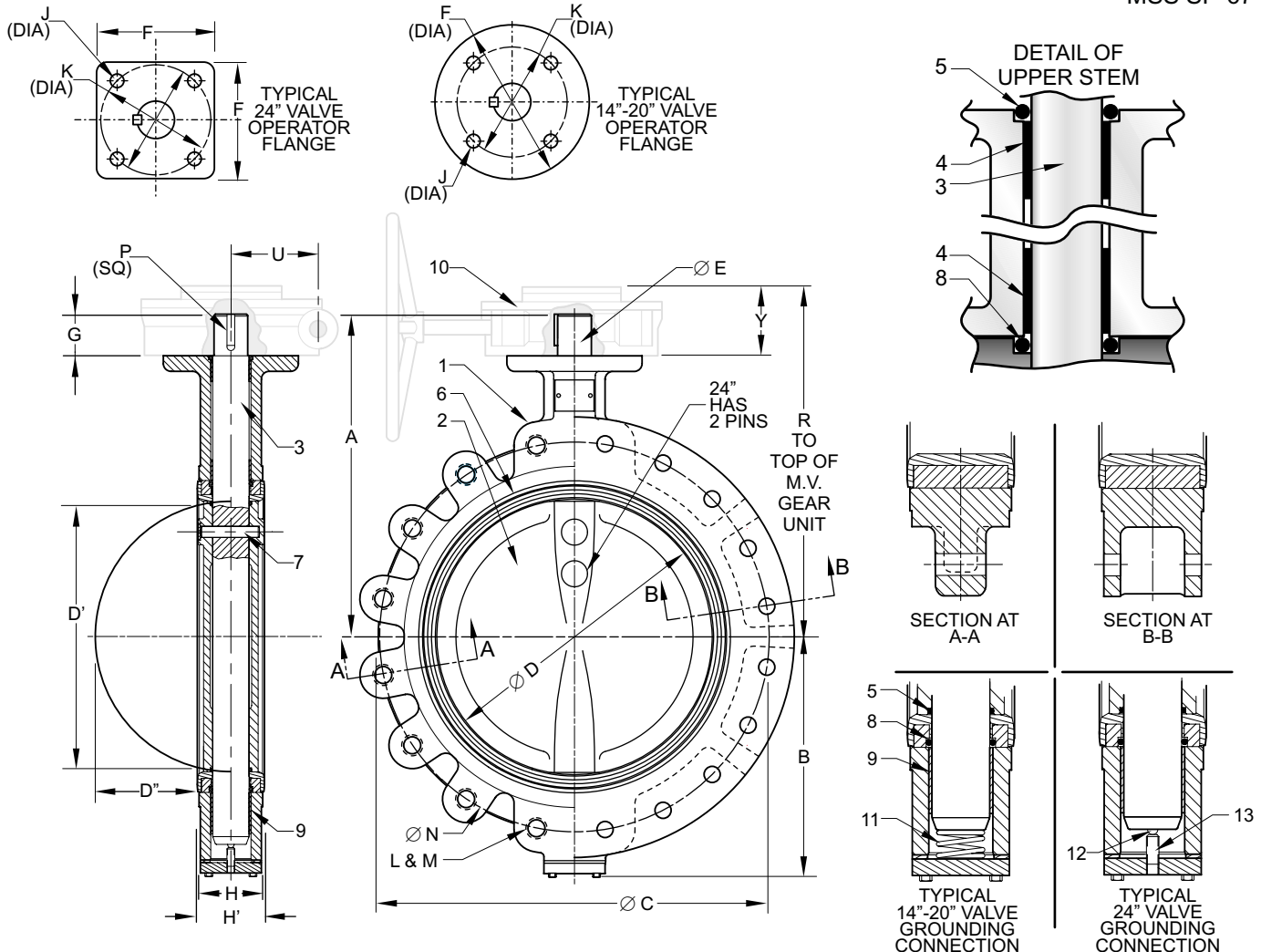


BUTTERFLY VALVE

CL SERIES

14" - 24" 150 PSI (1035 kPa)

Specifications: API-609
MSS SP-67



RATINGS

150 PSI Butterfly Valve
Non Shock Water, Oil,
Gas

FEATURES

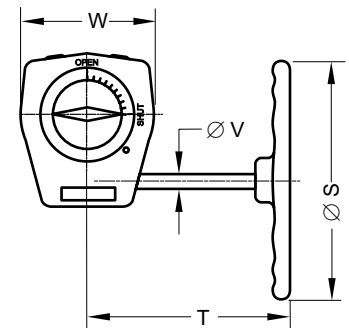
Heavy Duty Design
Extended Neck Body
Phenolic Cartridge Design
Low Profile Disc
Blowout Proof Stem
Bubble Tight Seal
Stainless Steel Stem-416
Low Torque Polymer Bearing
Bi-directional Shut off
Vacuum Ratings to 29"Hg
Field Repairable

ACTUATORS

Air / Air
Air / Spring
Electric

STANDARD OPERATORS

Weather Proof Gear
Operator - Std.
14"-16" Aluminum Housing
18"-24" Cast Iron Housing
Memory Stop - Optional
Locking Device - Optional



VALVE SIZE	GEAR OPERATOR P / N	GEAR RATIO	Ø S	Ø V	W	Y (Hgt)	T
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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www.milwaukeevalve.com

MILWAUKEE VALVE



BUTTERFLY VALVE

CL SERIES

14" - 24" 150 PSI (1035 kPa)

Specifications: API-609

MSS SP-67

MAJOR COMPONENTS LIST

ITEM	PARTS NAME	MATERIAL
1	BODY	CAST IRON ASTM A126 CL.B
2	DISC	ALUMINUM BRONZE-ASTM B148
3	STEM	STAINLESS STEEL TYPE 416
4	TOP BEARING	THERMOPLASTIC POLYMER
5	STEM O-RING	EPDM
6	LINER	EPDM
7	STEM PIN	STAINLESS STEEL TYPE 302
8	LINER O-RING	EPDM
9	LOWER BEARING	THERMOPLASTIC POLYMER
10	OPERATOR	GEAR OPERATOR
		GEAR OP W/ MEMORY STOP
		GEAR OP W/ LOCK
		ACTUATOR AIR/AIR (1)
		ACTUATOR AIR/SPRING (1)
		ACTUATOR ELECTRIC (1)
11 14"-20"	GROUNDING SPRING	STAINLESS STEEL TYPE 302
12 24" ONLY	GROUNDING BALL	AISI - 1022
13 24" ONLY	TENSION SCREW	AISI - 1020

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(1)- Consult Automation Department.

DIMENSIONS

DIMENSION	VALVE SIZE					
	INCHES mm	14 356	16 406	18 457	20 508	24 610
A	INCHES mm	15.50 393.7	16.75 425.5	18.50 469.9	19.75 501.7	22.43 569.7
B	INCHES mm	11.56 293.6	12.69 322.3	13.63 346.2	15.13 384.3	18.06 458.7
C	INCHES mm	21.00 533.4	23.50 596.9	25.00 635.0	27.50 698.5	28.25 717.6
D	INCHES mm	13.25 336.6	15.50 393.7	17.25 438.2	19.25 489.0	23.38 593.9
D'	INCHES	13.53	14.97	16.91	18.84	22.76
Chord Dia.	mm	343.7	380.2	429.5	478.5	578.1
D"	INCHES	5.0	5.8	6.4	7.1	8.7
Intrusion	mm	127.3	146.1	162.1	181.1	220.0
E	INCHES mm	1.625 41.3	1.625 41.3	2.125 54.0	2.125 54.0	2.125 54.0
F	INCHES mm	6.50 165.1	6.50 165.1	9.50 241.3	9.50 241.3	7.50 190.5
G	INCHES mm	2.00 50.8	2.00 50.8	3.00 76.2	3.00 76.2	3.06 77.7
H	INCHES mm	3.06 77.7	4.00 101.6	4.50 114.3	5.00 127.0	6.06 153.9
Body	mm					
H'	INCHES mm	3.19 81.0	4.13 104.9	4.63 117.6	5.13 130.3	6.19 157.2
Liner	mm					
J	INCHES mm	0.688 17.5	0.688 17.5	0.813 20.6	0.813 20.6	0.813 20.6
K	INCHES mm	5.250 133.4	5.250 133.4	7.500 190.5	7.500 190.5	7.500 190.5
L	No. of Holes	12	16	16	20	20
M	Thread Size	1-8	1-8	1 1/8-7	1 1/8-7	1 1/4-7
N	INCHES mm	18.75 476.3	21.25 539.8	22.75 577.9	25.00 635.0	29.50 749.3
P	INCHES mm	0.375 9.5	0.375 9.5	0.500 12.7	0.500 12.7	0.500 12.7
Key Size	mm					
R	INCHES mm	17.25 438.2	18.75 476.3	19.63 498.5	20.88 530.4	25.00 635.0
U	INCHES mm	3.13 79.4	3.13 79.4	4.50 114.3	4.50 114.3	4.63 117.5

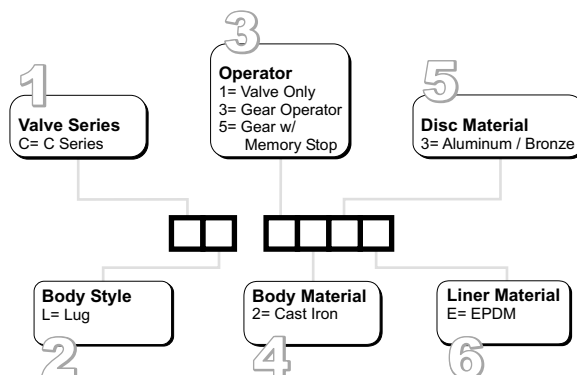
Ordering is as easy as 1-2-3...

For example,

CL 3 2 3 E

will order an C series, lug valve with a gear operator and a cast iron body.

The disc in this example will be aluminium / bronze with a EPDM liner.



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