

# BUTTERFLY VALVE

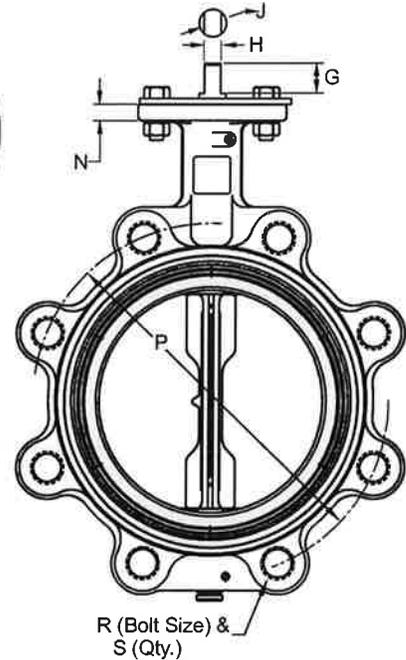
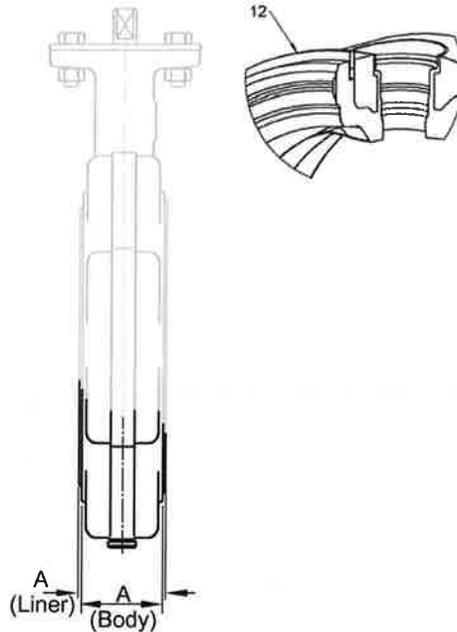
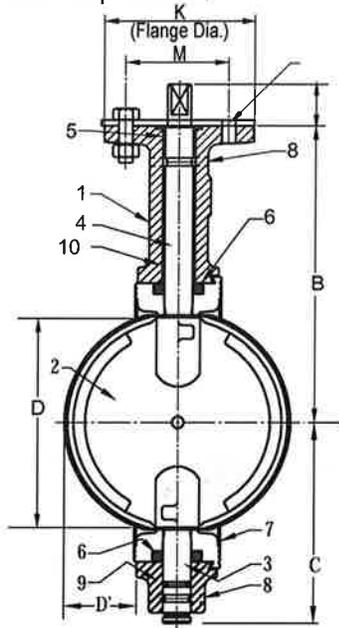
# CL SERIES-REV. D\*

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

Bi-Directional Dead End Service to 200 PSI Max.  
Field Repairable.

## SPECIFICATIONS

MSS SP-67  
API-609



Approved by U.S. Coast Guard for use in Category A service as described in Title 46 Code of Federal Regulations 56.20-15.

## DIMENSIONS

	INCHES	2	2-1/2	3	4	5	6	8	10	12
A (Body)	mm	50	65	80	100	125	150	200	250	300
	INCHES	<b>1.69</b>	<b>1.81</b>	<b>1.81</b>	<b>2.07</b>	<b>2.19</b>	<b>2.19</b>	<b>2.38</b>	<b>2.69</b>	<b>3.06</b>
A' (Liner)	mm	42.9	46.1	46.0	52.5	55.6	60.3	68.3	78.0	
	INCHES	<b>1.82</b>	<b>1.94</b>	<b>1.94</b>	<b>2.20</b>	<b>2.32</b>	<b>2.31</b>	<b>2.51</b>	<b>2.82</b>	<b>3.21</b>
B	mm	5.50	6.00	6.25	7.00	7.53	8.00	9.38	10.56	12.06
	INCHES	139.7	152.4	158.8	177.8	191.3	203.2	238.1	268.3	306.4
C	mm	77.8	84.1	95.3	108.0	125.4	141.3	166.7	200.0	235.0
	INCHES	<b>3.06</b>	<b>3.31</b>	<b>3.75</b>	<b>4.25</b>	<b>4.94</b>	<b>5.56</b>	<b>6.56</b>	<b>7.88</b>	<b>9.25</b>
D (Chord Dia)	mm	7.1	11.1	17.5	27.0	38.1	49.2	72.2	93.7	114.3
	INCHES	<b>1.49</b>	<b>2.01</b>	<b>2.64</b>	<b>3.67</b>	<b>4.71</b>	<b>5.66</b>	<b>7.72</b>	<b>9.70</b>	<b>11.68</b>
D' (Intrusion)	mm	37.8	51.1	67.1	93.2	119.6	143.8	196.1	246.4	296.7
	INCHES	<b>0.28</b>	<b>0.44</b>	<b>0.69</b>	<b>1.06</b>	<b>1.50</b>	<b>1.94</b>	<b>2.84</b>	<b>3.69</b>	<b>4.50</b>
F	mm	7.1	11.1	17.5	27.0	38.1	49.2	72.2	93.7	114.3
	INCHES	<b>1.13</b>	<b>1.13</b>	<b>1.13</b>	<b>1.13</b>	<b>1.13</b>	<b>1.13</b>	<b>1.50</b>	<b>1.50</b>	<b>1.50</b>
G	mm	28.6	28.6	28.6	28.6	28.6	28.6	38.1	38.1	38.1
	INCHES	<b>0.81</b>	<b>0.81</b>	<b>0.81</b>	<b>0.81</b>	<b>0.81</b>	<b>0.81</b>	<b>1.06</b>	<b>1.06</b>	<b>1.06</b>
H	mm	20.6	20.6	20.6	20.6	20.6	20.6	27.0	27.0	27.0
	INCHES	<b>0.35</b>	<b>0.35</b>	<b>0.35</b>	<b>0.40</b>	<b>0.40</b>	<b>0.44</b>	<b>0.53</b>	<b>0.71</b>	<b>0.71</b>
J	mm	8.9	8.9	8.9	10.2	10.2	11.2	13.5	18.0	18.0
	INCHES	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.56</b>	<b>0.56</b>	<b>0.62</b>	<b>0.75</b>	<b>1.00</b>	<b>1.00</b>
K	mm	12.6	12.6	12.6	14.2	14.2	15.8	19.0	25.4	25.4
	INCHES	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.56</b>	<b>0.56</b>	<b>0.62</b>	<b>0.75</b>	<b>1.00</b>	<b>1.00</b>
L (Dia)	mm	4	4	4	4	4	4	6	6	6
	INCHES	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.56</b>	<b>0.56</b>	<b>0.56</b>
M	mm	11.1	11.1	11.1	11.1	11.1	11.1	14.3	14.3	14.3
	INCHES	<b>3.25</b>	<b>3.25</b>	<b>3.25</b>	<b>3.25</b>	<b>3.25</b>	<b>3.25</b>	<b>5.00</b>	<b>5.00</b>	<b>5.00</b>
N	mm	82.6	82.6	82.6	82.6	82.6	82.6	127.0	127.0	127.0
	INCHES	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.44</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>
P	mm	11.1	11.1	11.1	11.1	11.1	11.1	12.7	12.7	12.7
	INCHES	<b>4.75</b>	<b>5.50</b>	<b>6.00</b>	<b>7.50</b>	<b>8.50</b>	<b>9.50</b>	<b>11.75</b>	<b>14.25</b>	<b>17.00</b>
R	mm	120.7	139.7	152.4	190.5	215.9	241.3	298.5	362.0	431.8
	INCHES	<b>4.75</b>	<b>5.50</b>	<b>6.00</b>	<b>7.50</b>	<b>8.50</b>	<b>9.50</b>	<b>11.75</b>	<b>14.25</b>	<b>17.00</b>
S		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
		4	4	4	8	8	8	8	12	12

ITEM	PARTS NAME	MATERIAL
1	BODY	CAST IRON-ASTM A126 CL B
2	DISC	ALUMINUM BRONZE- ASTM B148
3	BOTTOM STEM	STAINLESS STEEL TYPE 416
4	TOP STEM	STAINLESS STEEL TYPE 416
5	TOP BEARING	REINFORCED NYLON
6	SEAL	EPDM
7	LINER	EPDM
8	ROLL PIN	STAINLESS STEEL
9	STEM SEAL	EPDM
10	LOWER BEARING	REINFORCED NYLON
11	OPERATOR	LEVER HANDLE (EPOXY COATED LEVER)
		GEAR OPERATOR
		GEAR OPERATOR WITH MEMORY STOP
		GEAR OPERATOR WITH LOCK
		ACTUATOR-AIR/AIR
		ACTUATOR-AIR/SPRING
		ACTUATOR-ELECTRIC
12	RETAINING RING	1066 SPRING STEEL (65Mn)

\*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.

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 Installation, Operation and Maintenance Manual (IOM) see the engineering section on our website. For the most current information access [www.milwaukeevalve.com](http://www.milwaukeevalve.com)



**C L 2 2 3 E**

VALVE SERIES	BODY STYLE	OPERATOR	BODY MATERIAL	DISC MATERIAL	LINER MATERIAL
C - C-SERIES	L - LUG BODY W- WAFER BODY	1 - VALVE ONLY 2 - LEVER HANDLE 3 - GEAR OPERATOR	2 - CAST IRON*	3 - ALUMINUM/BRONZE	E - EPDM

\* MILWAUKEE VALVE RESERVES THE RIGHT TO UPGRADE TO DI BODY WITHOUT NOTICE FOR NO ADDITIONAL COST.