



MILWAUKEE VALVE

PRODUCT BULLETIN

IND-51017

DATE 05/10/17

Automated "C" Series Butterfly Valve Assembly Program

We would like to introduce a new series of products being added to the actuation group. We will now provide pre-sized and pre-assembled actuated "C" series butterfly valves mounted with electric or pneumatic actuators. Available direct from stock or assembled for quick shipment.

Our goal is to simplify the process of selecting automated butterfly packages by providing the most commonly sold butterfly valve and actuation components (**usually HVAC/water service) in pre-assembled units.

The pre-assembled valves, same as the standard "C" series butterfly valves, can be used for the following applications:

- HVAC service: Water or glycol service
- 0 - 200 psi line pressure
- 0 - 250° F
- On/off service
- Pneumatic actuation: Spring return or double-acting / 80 psi air supply with 120 VAC solenoid attached *
- Electric actuation: 120VAC / NEMA 4 housing / manual override / visual position indicator / two limit switches for remote position indication*

The part-number configuration will include the "C" series valve and actuator, along with mounting and testing from the factory.

CLA23E-XXX 2" – 12"

Cast Iron Lug Pattern Automated Air-to-Air Pneumatic Butterfly Valve

CLB23E-XXX 2" – 12"

Cast Iron Lug Pattern Automated Spring Return Pneumatic Butterfly Valve

CLC23E-XXX 2" – 12"

Cast Iron Lug Pattern Automated 120VAC Electric Butterfly Valve

Attached is a list price sheet with descriptions. All active customers are set-up in the AS400 with a list price and discount of less 30% (.70).

Cut sheets are also attached with descriptions, specifications, and dimensional data.

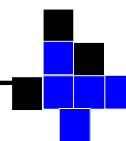
****Please contact customer service for recommendations and actuator sizing when dirty or severe service conditions may apply.**

***Contact the factory for additional options. Limit Switches and different operating voltages**

This information, and more, can be found at www.milwaukeevalve.com.

If you have questions, please let me know.

INNOVATION IN EVERY VALVE





Automated Butterfly Valve MAP-0417 Assembly Packages

Effective: May 1, 2017

Suggested list prices are subject to change without notification. Visit our Website for the most up-to-date product information.

Milwaukee Valve Butterfly Valve Assembly Packages Configurator					
<u>C</u>	<u>L</u>	<u>A</u>	<u>2</u>	<u>3</u>	<u>E</u>
Valve Series	Body Style	Operator Type	Body Material	Disc Material	Liner Material
C	L - Lug	A - Air-Air W/Sol B - Sprg Ret W/Sol C - Elec 120V	2 - Cast Iron	3 - Alumn Bronze	E - EPDM

**C-SERIES AUTOMATED BUTTERFLY VALVE
ASSEMBLY PACKAGES**
CAST IRON BODY, ALUMINUM BRONZE DISC & EPDM LINER
2" - 12" RATED 200 PSI

CL SERIES - LUG PATTERN CAST IRON BODY, ALUMINUM BRONZE DISC, EPDM LINER, W/ACT			
MODEL	CLA23E	CLB23E	CLC23E
SIZE	Air-Air W/Sol	Sprg Ret W/Sol	Elec 120V
2"	662.23	706.49	936.33
2 1/2"	666.95	711.22	941.05
3"	672.51	860.71	946.62
4"	742.34	968.04	1,554.37
5"	826.62	1,273.73	1,581.94
6"	929.16	1,426.60	1,835.82
8"	1,297.64	2,141.93	2,050.72
10"	1,507.70	2,797.20	3,531.61
12"	1,614.32	3,190.37	4,058.93

Visit our website for complete product details, information and terms and conditions of sale.

Milwaukee Valve Company | 16550 West Stratton Drive | New Berlin | WI | 53151

Phone: (262) 432-2700

Website: www.milwaukeevalve.com

MILWAUKEE VALVE CO AUTOMATED BUTTERFLY VALVE ASSEMBLY PACKAGES

RESILIENT SEATED BUTTERFLY CAST IRON LUG
PATTERN BODY, EDPM LINER 200 WOG
ALUMINUM BRONZE DISC AND 416 STEM,
MOUNTED WITH A DOUBLE ACTING AIR/AIR
ACTUATOR SIZED @ 80 PSI SUPPLY W/ 120VAC 4
WAY NEMA 4/4X NAMUR MOUNT SOLENOID
VALVE FOR ON AND OFF SERVICE. ASSEMBLED
AND TESTED

Model number Double Acting
CLA23E -XXX

Size	List
2	\$ 662.23
2 1/2	\$ 666.95
3	\$ 672.51
4	\$ 742.34
5	\$ 826.62
6	\$ 929.16
8	\$ 1,297.64
10	\$ 1,507.70
12	\$ 1,614.32



RESILIENT SEATED BUTTERFLY CAST IRON LUG
PATTERN BODY, EDPM LINER 200 WOG
ALUMINUM BRONZE DISC AND 416 STEM,
MOUNTED WITH A SPRING RETURN FAIL CLOSED
ACTUATOR SIZED @ 80 PSI SUPPLY W/120 VAC 3
WAY NEMA 4/4X NAMUR MOUNT SOLENOID
VALVE FOR ON AND OFF SERVICE. ASSEMBLED
AND TESTED

Model number Spring Return
CLB23E -XXX

Size	List
2	\$ 706.49
2 1/2	\$ 711.22
3	\$ 860.71
4	\$ 968.04
5	\$ 1,273.73
6	\$ 1,426.60
8	\$ 2,141.93
10	\$ 2,797.20
12	\$ 3,190.37

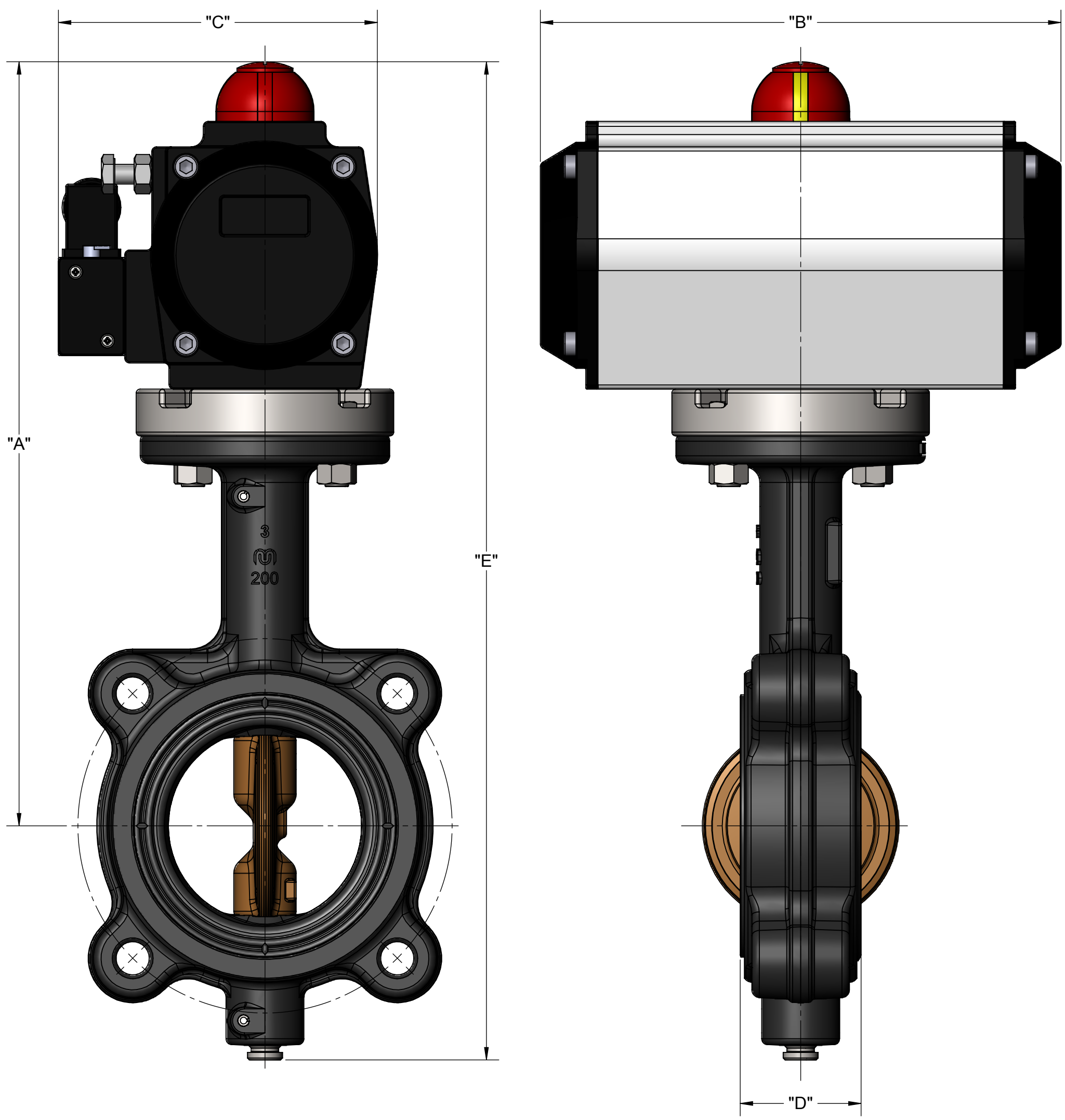


RESILIENT SEATED BUTTERFLY CAST IRON LUG
PATTERN BODY, EDPM LINER 200 WOG
ALUMINUM BRONZE DISC AND 416 STEM,
MOUNTED WITH 120 VAC, 60HZ, 1PH. ELECTRIC
ACTUATOR, NEMA 4/4X HOUSING, DE
CLUTCHABLE MANUAL OVERRIDE, POSITION
INDICATOR 25% DUTY CYCLE FOR ON AND OFF
SERVICE. ASSEMBLED AND TESTED

Model number Electric 120VAC
CLC23E -XXX

Size	List
2	\$ 936.33
2 1/2	\$ 941.05
3	\$ 946.62
4	\$ 1,554.37
5	\$ 1,581.94
6	\$ 1,835.82
8	\$ 2,050.72
10	\$ 3,531.61
12	\$ 4,058.93

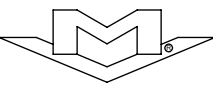


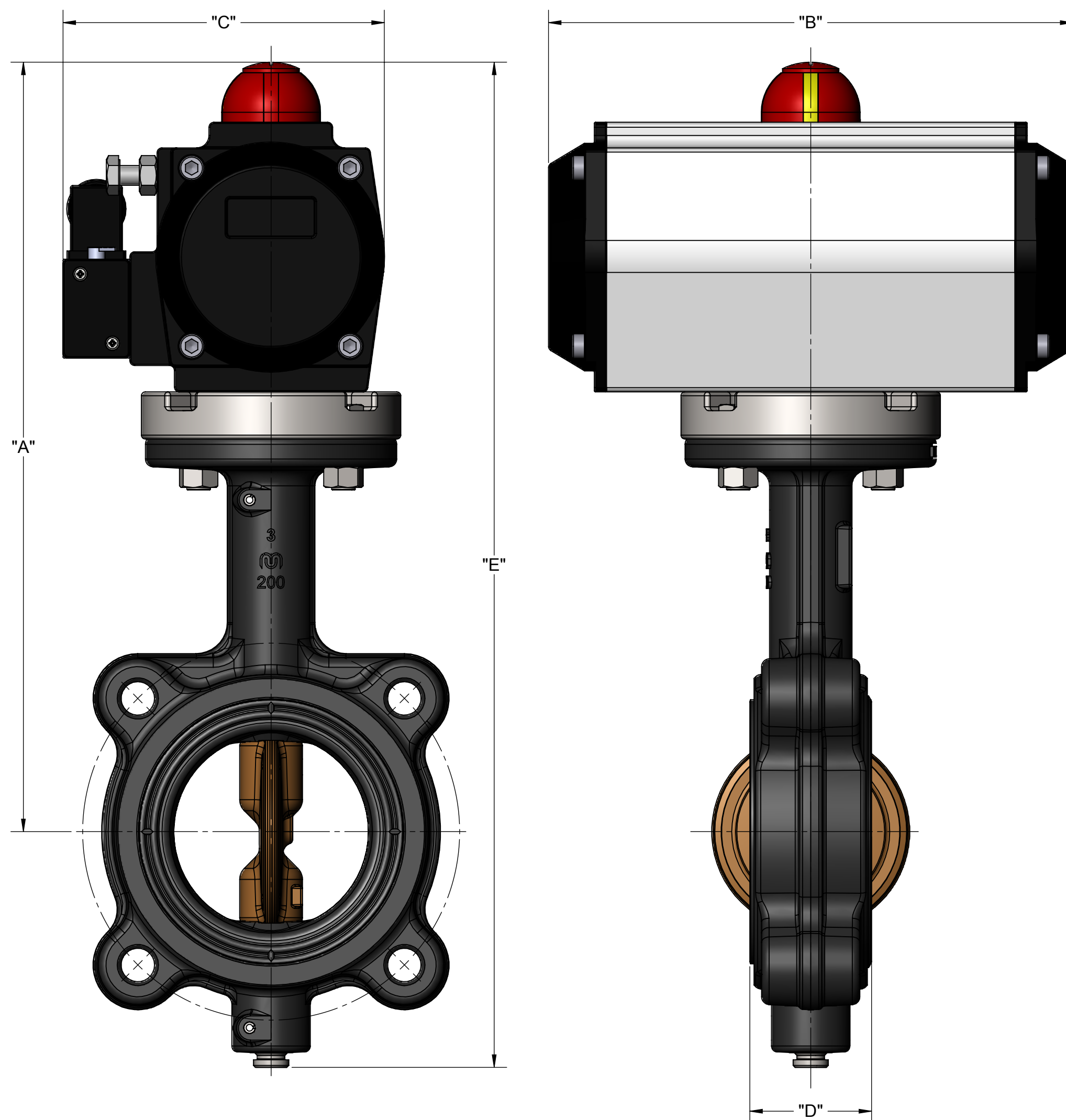


CLA23E Air-to-Air Pneumatic Butterfly Valve 2" - 12"

- Cast Iron
- Lug Pattern
- Aluminum Bronze Disc
- EPDM Liner
- 200 WOG
- Temp Range: 0° to 250° F for HVAC service
- Double-acting actuator sized for 80 psi air supply
- 120V four-way NEMA 4/4x NAMUR mounted solenoid
- For on/off service

Air-to-Air Actuator Assembly Dimensions						
Valve	Model					
Size	Actuator	A "	B "	C "	D "	E "
2	MC3C	10.48	6.61	2.83	1.69	13.54
2 1/2	MC3C	10.98	6.61	2.83	1.81	14.29
3	MC3C	11.23	6.61	2.83	1.81	14.98
4	MC5C	12.45	7.24	3.19	2.07	16.70
5	MC5C	12.98	7.24	3.19	2.19	17.92
6	MC10C	14.14	10.31	3.86	2.19	19.70
8	MC29C	17.70	11.65	5.02	2.38	23.26
10	MC29C	18.88	11.65	5.02	2.69	26.76
12	MC58C	21.97	18.03	6.22	3.06	31.22

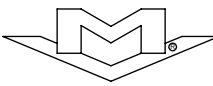
<div>UNITS in [mm]</div> <div>THIRD ANGLE PROJECTION</div> <div>THIS PRINT IS THE PROPERTY OF MILWAUKEE VALVE COMPANY, INC. AND REPRESENTS A PROPRIETARY ARTICLE IN WHICH MILWAUKEE VALVE COMPANY, INC. RETAINS ANY AND ALL PATENTS AND OTHER RIGHTS, INCLUDING EXCLUSIVE RIGHTS OF USE AND/OR MANUFACTURE AND/OR SALE. POSSESSION OF THIS PRINT DOES NOT CONVEY ANY PERMISSION TO REPRODUCE, PRINT OR MANUFACTURE THE ARTICLE OR ARTICLES SHOWN THEREIN. SUCH PERMISSION TO BE GRANTED ONLY BY SPECIFIC AUTHORIZATION IN WRITING, SIGNED BY AN OFFICER OR OTHER AUTHORIZED AGENT OF MILWAUKEE VALVE COMPANY, INC.</div>	DEPARTMENT ENGINEERING		INTL ECN -	<div> MILWAUKEE VALVE CO., INC. NEW BERLIN, WI 53151-7301</div>		
	DWN		KJS			
	CHKD			TITLE BUTTERFLY W/ AIR ACTUATOR		
	APVD					
	MDLD	08-21-2012	SOLA			
REF NO		PC NO -		SIZE C	CAGE CODE 76364	AIR ACTUATED BUTTERFLY
REG APVL					SCALE: 1:4	MASS UNITS: SHEET 1 OF 1

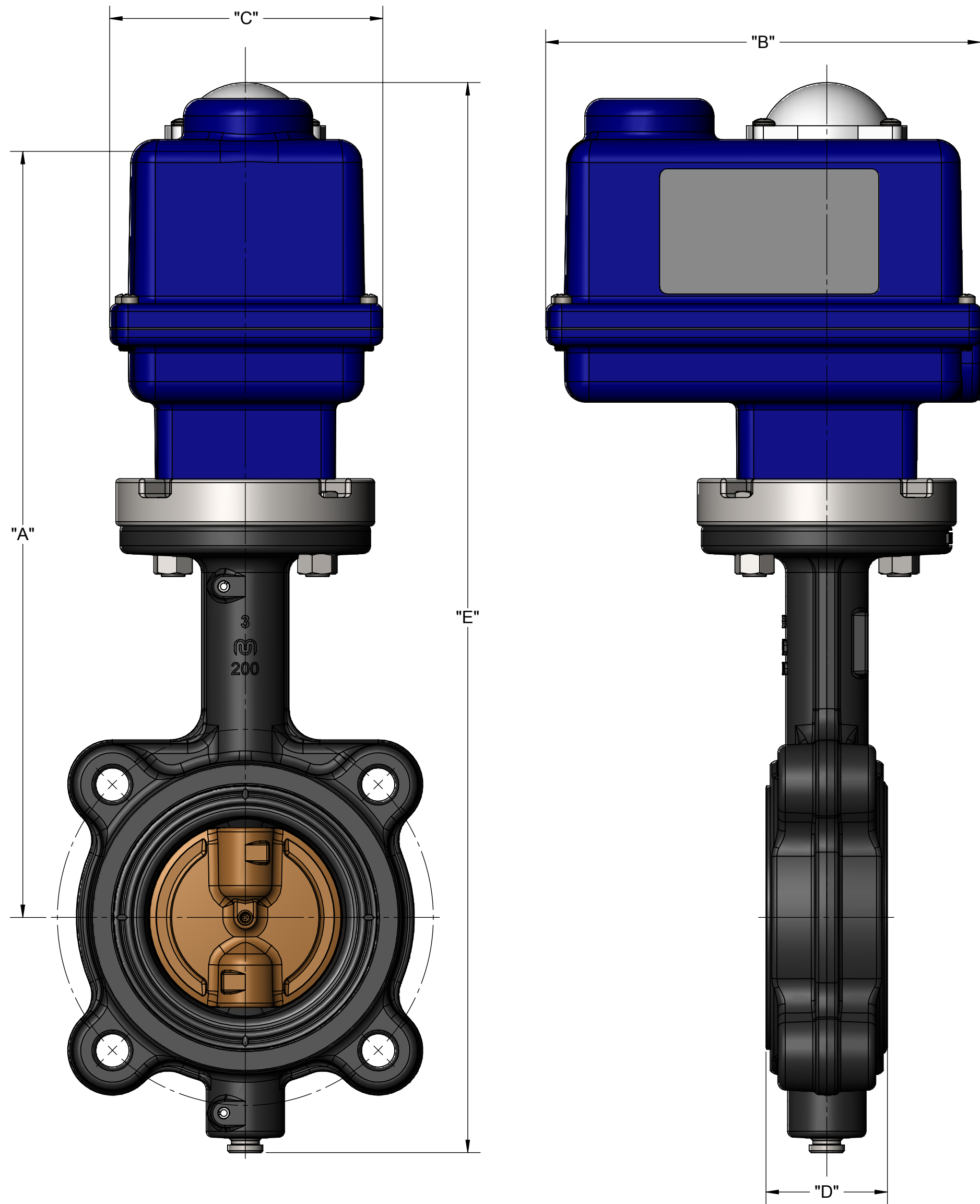


CLB23E Spring Return Pneumatic Butterfly Valve 2" - 12"

- Cast Iron
- Lug Pattern
- Aluminum Bronze Disc
- EPDM Liner
- 200 WOG
- Temp Range: 0° to 250° F for HVAC service
- Spring return fail closed actuator
- 120V three-way NEMA 4/4x NAMUR mounted solenoid
- For on/off service

Spring Return Actuator Assembly Dimensions						
Valve	Model					
Size	Actuator	A "	B "	C "	D "	E "
2	MC3S4C	10.48	6.61	2.83	1.69	13.54
2 1/2	MC3S4C	10.98	6.61	2.83	1.81	14.29
3	MC5S4C	11.70	7.24	3.19	1.81	15.45
4	MC10S4C	13.14	10.31	3.86	2.07	17.39
5	MC14S4C	15.55	10.55	4.31	2.19	20.49
6	MC29S4C	16.89	11.65	5.02	2.19	22.45
8	MC58S4C	19.35	18.03	6.22	2.38	24.91
10	MC58S4C	20.53	18.03	6.22	2.69	28.41
12	MC121S4C	27.22	22.20	8.27	3.06	36.47


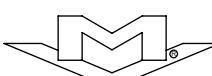
<div>UNITS in [mm]</div> <div>THIRD ANGLE PROJECTION</div> <div><small>THIS PRINT IS THE PROPERTY OF MILWAUKEE VALVE COMPANY, INC. AND REPRESENTS A PROPRIETARY ARTICLE IN WHICH MILWAUKEE VALVE COMPANY, INC. RETAINS ANY AND ALL PATENTS AND OTHER RIGHTS, INCLUDING EXCLUSIVE RIGHTS OF USE AND/OR MANUFACTURE AND/OR SALE. POSSESSION OF THIS PRINT DOES NOT CONVEY ANY PERMISSION TO REPRODUCE PRINT OR MANUFACTURE THE ARTICLE OR ARTICLES SHOWN THEREIN. SUCH PERMISSION TO BE GRANTED ONLY BY SPECIFIC AUTHORIZATION IN WRITING, SIGNED BY AN OFFICER OR OTHER AUTHORIZED AGENT OF MILWAUKEE VALVE COMPANY INC.</small></div>		DEPARTMENT ENGINEERING	INTL ECN -	<div> MILWAUKEE VALVE CO., INC. NEW BERLIN, WI 53151-7301</div> <div>TITLE BUTTERFLY W/ SPRING RETURN ACTUATOR</div>	
		DWN	KJS		
		CHKD			
		APVD			
		MDLD08-21-2012	SOLA	SIZE C	CAGE CODE 76364
		REF NO	PC NO -	SPRING RETURN ACTUATED	
		REG APVL		SCALE: 1:4	MASS UNITS:
				SHEET	1 OF 1



CLC23E 120VAC Electric Butterfly Valve 2" - 12"

- Cast Iron
- Lug Pattern
- Aluminum Bronze Disc
- EPDM Liner
- 200 WOG
- Temp Range: 0° to 250° F for HVAC service
- 120VAC NEMA 4 rated electric actuator
- 25% duty cycle
- For on/off service
- Two limit switches
- Manual override
- Visual position indicator

120 VAC Electric Actuator Assembly Dimensions						
Valve	Model					
Size	Actuator	A "	B "	C "	D "	E "
2	MCRB200I	12.55	6.88	4.25	1.69	15.61
2 1/2	MCRB200I	13.05	6.88	4.25	1.81	16.36
3	MCRB200I	13.3	6.88	4.25	1.81	17.05
4	MCRB675I	18.26	7.00	7.00	2.07	22.51
5	MCRB675I	19.15	7.00	7.00	2.19	24.09
6	MCRB1000I	19.62	7.00	7.00	2.19	25.18
8	MCRB1500I	21.00	7.00	7.00	2.38	26.56
10	AT25-25	18.93	16.25	27.38	2.69	26.81
12	AT50-25	25.30	16.25	28.38	3.06	34.55

<div>UNITS in [mm]</div> <div>THIRD ANGLE PROJECTION</div> <div></div> <div><small>PRIMARY / SECONDARY</small></div> <div><small>THIS PRINT IS THE PROPERTY OF MILWAUKEE VALVE COMPANY, INC. AND REPRESENTS A PROPRIETARY ARTICLE IN WHICH MILWAUKEE VALVE COMPANY, INC. RETAINS ANY AND ALL PATENTS AND OTHER RIGHTS, INCLUDING EXCLUSIVE RIGHTS OF USE AND/OR MANUFACTURE AND/OR SALE. POSSESSION OF THIS PRINT DOES NOT CONVEY ANY PERMISSION TO REPRODUCE, PRINT OR MANUFACTURE THE ARTICLE OR ARTICLES SHOWN THEREIN. SUCH PERMISSION TO BE GRANTED ONLY BY SPECIFIC AUTHORIZATION IN WRITING, SIGNED BY AN OFFICER OR OTHER AUTHORIZED AGENT OF MILWAUKEE VALVE COMPANY, INC.</small></div>		DEPARTMENT ENGINEERING	INTL ECN 150447	<div></div> <div>MILWAUKEE VALVE CO., INC. NEW BERLIN, WI 53151-7301</div>				
		DWN 11/22/2016	KJS	TITLE BUTTERFLY W/ ELECT. ACTUATOR				
		CHKD						
		APVD						
MDLD 08-21-2012	SOLA							
REF NO	PC NO -	SIZE C	CAGE CODE 76364	ELECTRIC ACTUATED BUTTERFLY		REV 1		
REG APVL		SCALE: 1:4		MASS UNITS:	SHEET	1 OF 1		