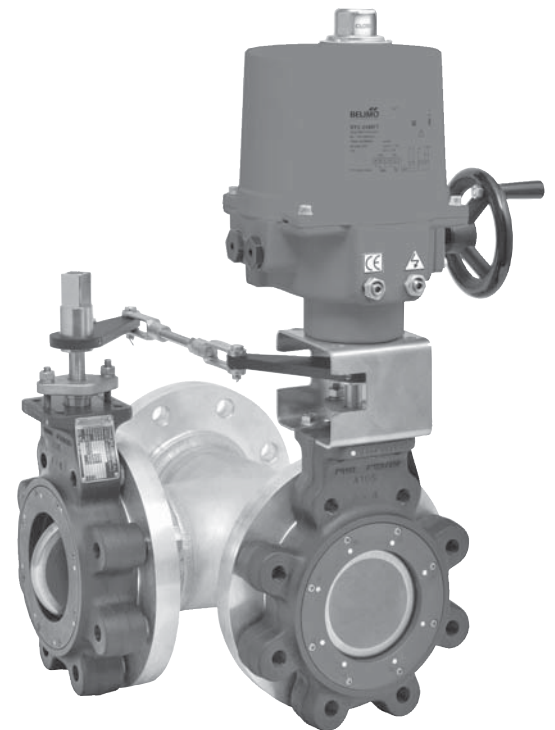
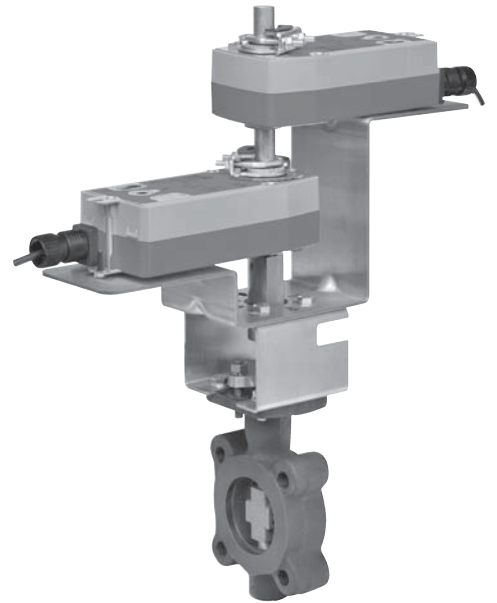


Butterfly Valve Retrofit Solutions

- Full range of kits for 2-way and 3-way valve assemblies.
- Visual stroke indicators allow quick installation.
- Linkages can be mounted in any orientation except upside down.
- NEMA 2 and NEMA 4 options available.

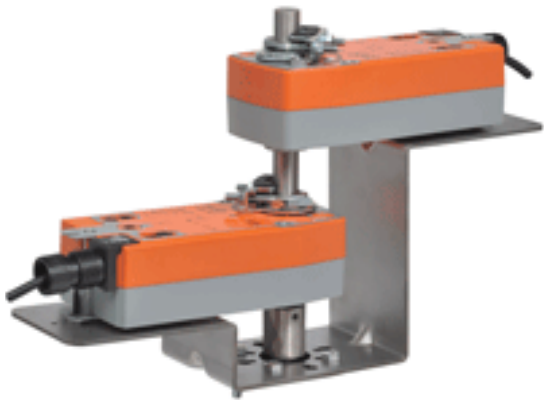
Applications

UFLK and UFSP butterfly retrofit solutions are designed to easily attach to the valve mounting pad of competitor valves utilizing Belimo actuators. This kit will help to restore service without removal of the valve, saving down time and money.



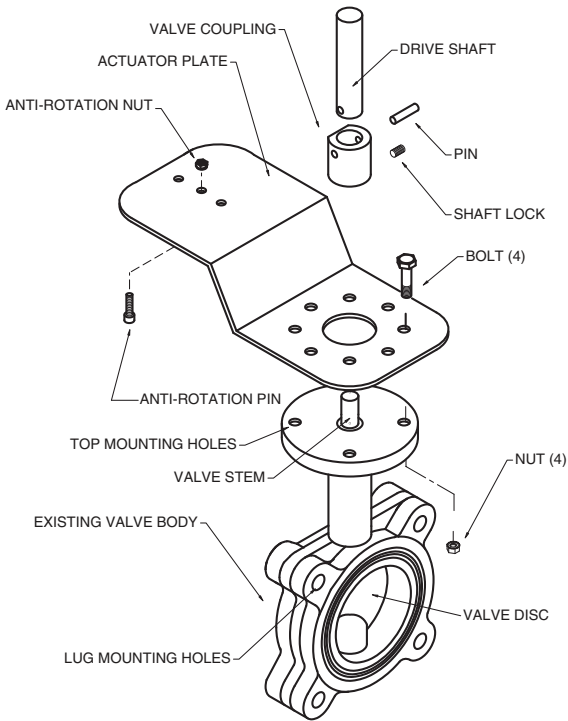
UFLK.../UFSP... Retrofit Linkage for Butterfly Valves

For 2-Way AF and GM Series Actuators



Technical Data		UFLK... / UFSP
Materials:		
Plate		stainless steel
Coupling		stainless steel
Shafts		stainless steel
Mounting position		360° mountable
Ambient temperature		-22°F to +122°F [-30°C to +50°C]
Storage temperature		-40°F to +176°F [-40°C to +80°C]
Servicing		chilled or hot water max steam inlet 50 psi
Weight		4.8 lbs [2.2 kg]

UFLK / UFSP Parts Breakdown- Single Shown



Application

The UFLK/UFSP retrofit kit is designed to easily attach to the valve mounting pad on select 2-way competitor valves utilizing Belimo AF and GM series actuators. This kit will help to restore service without removal of the valve, saving down time. The UFLK/UFSP retrofit kit is available in various configurations for use with both 2-way and 3-way valves utilizing single or dual actuation.

Default/Configuration

The actuator is sold separately from the linkage. This allows users to select any actuator with the desired control signal. Since the linkage utilizes standard air-side actuators, they can be purchased at any time and mounted in the field.

Operation

The UFLK/UFSP and mounted actuator(s) are capable of rotating 95° in both CW and CCW directions. This allows the disc to fully open or close. When directional needs vary, the actuators can be flipped or directional switch turned to a new rotation. Refer to the actuator wiring guides on Master/Slave wiring for dual mounted actuators.

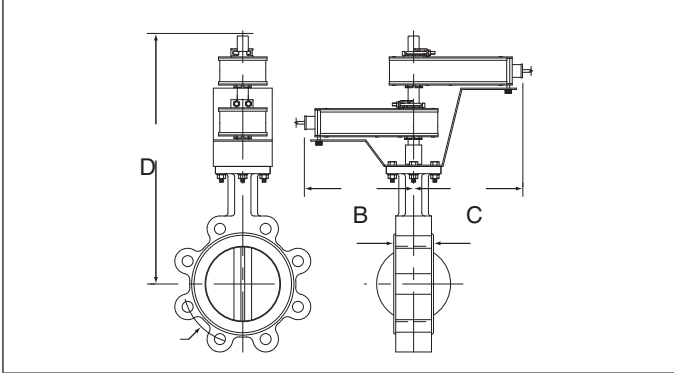
Suitable Actuators	Close-Off Ranges
AF Series	50-200 psi
GM Series	50-300 psi
GK Series	50-300 psi
2*AF Series	50-300 psi
2*GM Series	50-740 psi
2*GK Series	50-740 psi

Competitor Valves**

Bray	Victaulic	Nibco
PDC	Keystone	Flowseal
Centerline	JCI	Milwaukee

**Consult pages 144-156 of the Retrofit Technical Documentation and/or SelectPro for close-off pressures a cross reference of each valve.

UFLK / UFSP Dual Shown



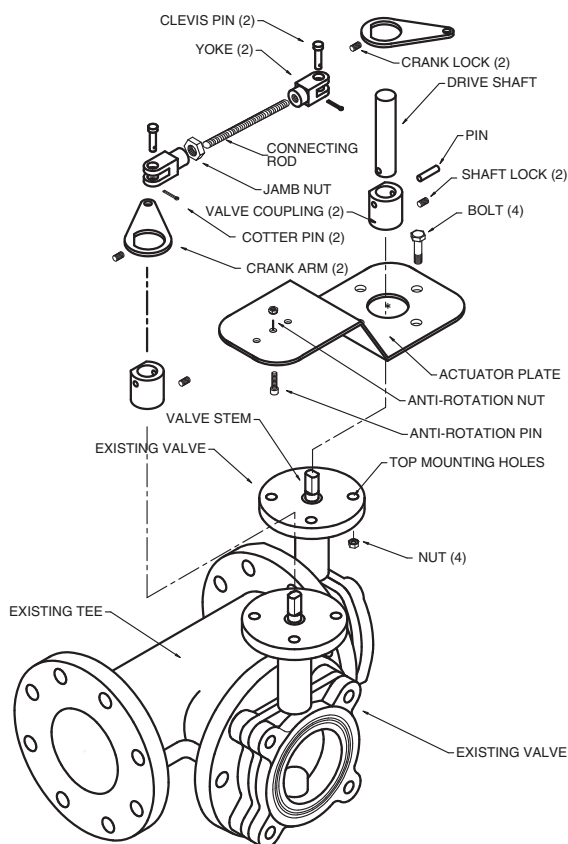
Maximum Dimensions (Inches)				
Size	B	C	D(Max)	Actuator
2"	9	9	19.5	AF/GK
2"	7	7	15	AMB(X)
2½"	9	9	20	AF
2½"	9	9	20	2*AF/2*GK
2½"	7	7	15.5	AMB(X)
3"	7	7	16	AMB(X)
3"	8	8	16	GMB(X)
3"	9	9	20.5	2*AF/2*GK
4"	8	8	17	GMB(X)
4"	9	9	21	2*AF/ 2*GK
4"	8	8	21	2*GMB(X)
5"	8	8	17.5	GMB(X)
5"	9	9	22	2*AF/ 2*GK
6"	8	8	22.5	GMB(X)

Tech.Doc - 07/14 - Subject to change. © Belimo Aircontrols (USA), Inc.



Technical Data	UFLK... / UFSP
Materials:	
Bracket	stainless steel
Couplings	stainless steel
Crank arms	steel
Yoke	steel
Rod	steel
Mounting position	configuration specific (X10-X35)
Ambient temperature	-22°F to +122°F [-30°C to +50°C]
Storage temperature	-40°F to +176°F [-40°C to +80°C]
Servicing	chilled or hot water
Weight	7 lbs [3.2 kg]

UFLK / UFSP Parts Breakdown- Single Shown



Application

The UFLK/UFSP retrofit kit is designed to easily attach to the valve mounting pad on select 3-way competitor valves utilizing Belimo AF and GM series actuators. This kit will help to restore service without removal of the valve, saving down time. The UFLK/UFSP retrofit kit is available in various configurations for use with both 2-way and 3-way valves utilizing single or dual actuation.

Default/Configuration

The actuator is sold separately from the linkage. This allows users to select any actuator with the desired control signal. Since the linkage utilizes standard air-side actuators, they can be purchased at any time and mounted in the field.

Operation

The UFLK/UFSP and mounted actuator(s) are capable of rotating 95° in both CW and CCW directions. This allows the disc to fully open or close. When directional needs vary, the actuators can be flipped or directional switch turned to a new rotation. Refer to the actuator wiring guides on Master/Slave wiring for dual mounted actuators.

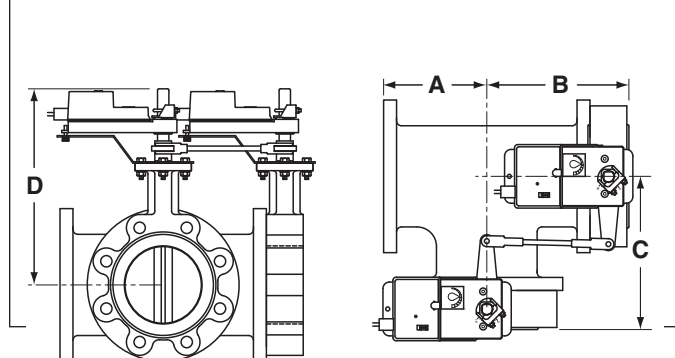
Suitable Actuators	Close-Off Ranges
AF Series	50-200 psi
GM Series	50-300 psi
GK Series	50-300 psi
2*AF Series	50-300 psi
2*GM Series	50-740 psi
2*GK Series	50-740 psi

Competitor Valves**

Bray	Victaulic	Nibco
PDC	Keystone	Flowseal
Centerline	JCI	Milwaukee

**Consult pages 144-156 of the Retrofit Technical Documentation and/or SelectPro for close-off pressures a cross reference of each valve.

UFLK / UFSP Dual Shown



Maximum Dimensions (Inches)

Size	A	B	C	D(Max)	Actuator
2"	7	9	9	19.5	AF/GK
2"	5	7	7	15	AMB(X)
2½"	7	9	9	20	AF
2½"	7	9	9	20	2*AF/2*GK
2½"	5	7	7	15.5	AMB(X)
3"	5	7	7	16	AMB(X)
3"	6	8	8	16	GMB(X)
3"	7	9	9	20.5	2*AF/2*GK
4"	6	8	8	17	GMB(X)
4"	7	9	9	21	2*AF/ 2*GK
4"	6	8	8	21	2*GMB(X)
5"	6	8	8	17.5	GMB(X)
5"	7	9	9	22	2*AF/ 2*GK
6"	6	8	8	22.5	GMB(X)

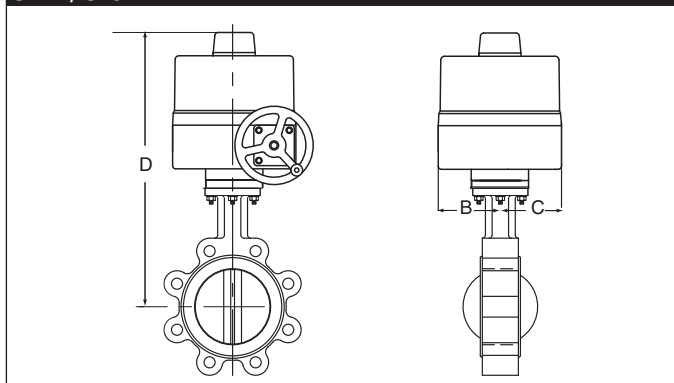
UFLK.../UFSP... Retrofit Linkage for Butterfly Valves

For 2-Way SY Industrial Series Actuators



Technical Data	UFLK... / UFSP
Materials:	
Bracket	stainless steel
Couplings	stainless steel
Crank arms	steel
Yoke	steel
Rod	steel
Mounting position	360° mountable
Ambient temperature	-22°F to +122°F [-30°C to +50°C]
Storage temperature	-40°F to +176°F [-40°C to +80°C]
Servicing	chilled or hot water
Weight	7 lbs [3.2 kg]

UFLK / UFSP



Maximum Dimensions (Inches)

Size	B	C	D(Max)	Actuator
2"	6.15	6.15	15.5	SY1...
2"	6.15	6.15	20.25	SY2...
2½"	6.76	6.76	16	SY1...
2½"	6.76	6.76	20.75	SY2...
3"	7.28	7.28	21	SY2...
4"	8.55	8.55	21.75	SY2...
5"	9.64	9.64	22.25	SY2...
5"	9.64	9.64	22.25	SY3...
6"	10.19	10.19	22.75	SY2...
6"	10.19	10.19	22.75	SY3...
8"	11.37	11.37	24.25	SY3...
8"	11.37	11.37	29	SY4...
10"	13.58	13.58	30	SY4...
12"	15.01	15.01	32	SY4...
12"	15.01	15.01	32	SY5...
14"	17.02	17.02	33	SY6...
16"	18.39	18.39	38.5	SY7...
18"	20.63	20.63	39.5	SY9...
20"	23	23	41.5	SY9...
24"	27.9	27.9	53.25	SY12...

Application

The UFLK/UFSP retrofit kit is designed to easily attach to the valve mounting pad on select 2-way competitor valves utilizing Belimo SY industrial series actuators. This kit will help to restore service without removal of the valve, saving down time. The UFLK/UFSP retrofit kit is available in various configurations for use with both 2-way and 3-way valves.

Default/Configuration

The actuator is sold separately from the linkage. This allows users to select any actuator with the desired control signal. Since the linkage utilizes standard SY actuators, they can be purchased at any time and mounted in the field.

Operation

The UFLK/UFSP and mounted actuator(s) are capable of rotating 95° in both CW and CCW directions. This allows the disc to fully open or close. When directional needs vary, the actuator's directional switch can be flipped to change the rotation. The SY is NEMA 4 rated and can be used outdoors.

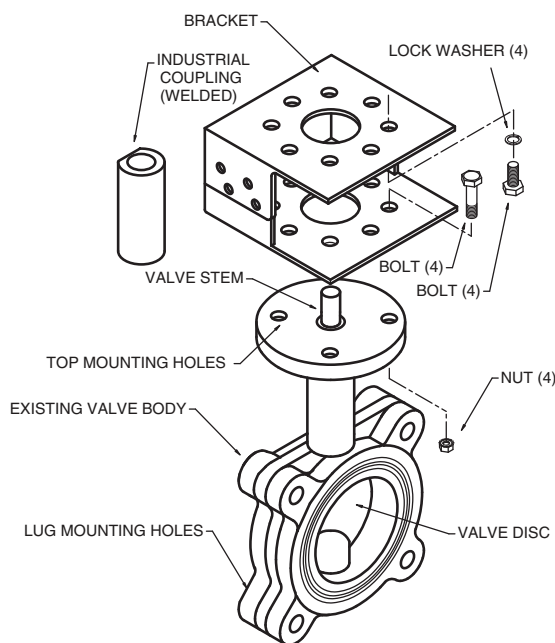
Suitable Actuators	Close-Off Ranges
SY1 Series	50-300 psi
SY2 Series	50-740 psi
SY3-SY4 Series	50-780 psi
SY5 Series	150-300 psi
SY6-SY12 Series	150-780 psi

Competitor Valves**

Bray	Victaulic	Nibco
PDC	Keystone	Flowseal
Centerline	JCI	Milwaukee

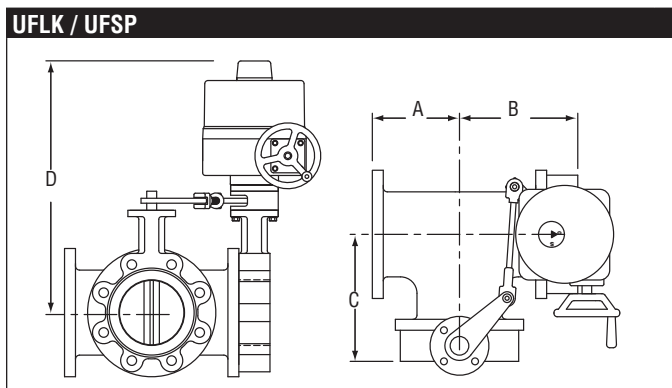
**Consult pages 144-156 of the Retrofit Technical Documentation and/or SelectPro for close-off pressures a cross reference of each valve.

UFLK / UFSP Parts Breakdown





Technical Data	UFLK... / UFSP
Materials:	
Bracket	stainless steel
Couplings	stainless steel
Crank arms	steel
Yoke	steel
Rod	steel
Mounting position	configuration specific (X10-X35)
Ambient temperature	-22°F to +122°F [-30°C to +50°C]
Storage temperature	-40°F to +176°F [-40°C to +80°C]
Servicing	chilled or hot water
Weight	12.6 lbs [5.73 kg]



Maximum Dimensions (Inches)

Size	A	B	C	D(Max)	Actuator
2"	4.15	6.15	6.15	15.5	SY1...
2"	4.15	6.15	6.15	20.25	SY2...
2½"	4.76	6.76	6.76	16	SY1...
2½"	4.76	6.76	6.76	20.75	SY2...
3"	5.28	7.28	7.28	21	SY2...
4"	6.55	8.55	8.55	21.75	SY2...
5"	7.64	9.64	9.64	22.25	SY2...
5"	7.64	9.64	9.64	22.25	SY3...
6"	8.19	10.19	10.19	22.75	SY2...
6"	8.19	10.19	10.19	22.75	SY3...
8"	9.37	11.37	11.37	24.25	SY3...
8"	9.37	11.37	11.37	29	SY4...
10"	11.58	13.58	13.58	30	SY4...
12"	13.01	15.01	15.01	32	SY4...
12"	13.01	15.01	15.01	32	SY5...
14"	15.02	17.02	17.02	33	SY6...
16"	16.39	18.39	18.39	38.5	SY7...
18"	18.63	20.63	20.63	39.5	SY9...
20"	21	23	23	41.5	SY9...
24"	25.9	27.9	27.9	53.25	SY12...

Application

The UFLK/UFSP retrofit kit is designed to easily attach to the valve mounting pad on select 3-way competitor valves utilizing Belimo SY industrial series actuators. This kit will help to restore service without removal of the valve, saving down time. The UFLK/UFSP retrofit kit is available in various configurations for use with both 2-way and 3-way valves.

Default/Configuration

The actuator is sold separately from the linkage. This allows users to select any actuator with the desired control signal. Since the linkage utilizes standard SY actuators, they can be purchased at any time and mounted in the field.

Operation

The UFLK/UFSP and mounted actuator(s) are capable of rotating 95° in both CW and CCW directions. This allows the disc to fully open or close. When directional needs vary, the actuator's directional switch can be flipped to change the rotation. The SY is NEMA 4 rated and can be used outdoors.

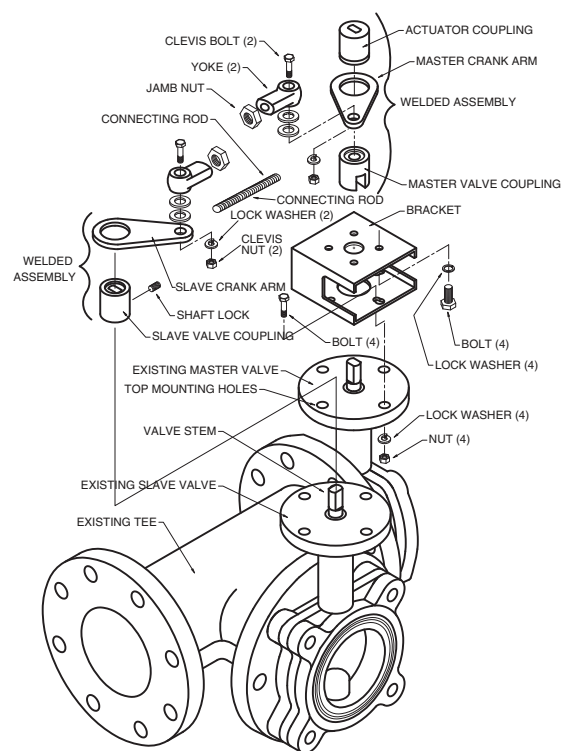
Suitable Actuators	Close-Off Ranges
SY1 Series	50-285 psi
SY2 Series	50-200 psi
SY3-SY4 Series	50-780 psi
SY5 Series	150-300 psi
SY6-SY12 Series	150-780 psi

Competitor Valves**

Bray	Victaulic	Nibco
PDC	Keystone	Flowseal
Centerline	JCI	Milwaukee

**Consult pages 144-156 of the Retrofit Technical Documentation and/or SelectPro for close-off pressures a cross reference of each valve.

UFLK / UFSP Parts Breakdown



How to Select a Butterfly Valve Retrofit Solution

Follow the four steps listed below when ordering a butterfly valve retrofit kit.

Example: Centerline C200 Series, 2½" valve, using a **Non-Spring Return** Belimo actuator.

- 1

Identify the **Valve Manufacturer, Valve Series** and **Valve Size**.
- 2

Determine the type of actuator you require: Belimo Spring Return, Non-Spring or SY Series Industrial. Belimo Spring and Non-Spring actuators are typically only available on smaller sizes.

Look at the solution using the Non-Spring Return Belimo Actuator. Looking at the **UFLK3500**, the **GM** Series actuator will provide a **200 psi close-off** for the **2½" valve** with **Non-Spring Return** actuation.
- 3

Use the actuator listings to make your final actuator selection. Decide between **GMB24-3-X1** and **GMB24-MFT-X1**.
ACTUATOR NOT INCLUDED IN THE LIST PRICE OF THE LINKAGE.



- 4

HOW TO ORDER: **Item 1 1pc UFLK3500**
Item 2 1pc GMB24-MFT-X1

1

Select linkage solution based on the **Valve Number, Configuration, and Size**; select the proper **Linkage Solution** for your valve.

UFLK1300
Example: **Centerline C200 Series, 2½" valve** using a **non-spring return** Belimo actuation.
Choose correct linkage **UFLK3500**.

Centerline
C200 Round Top Series Butterfly Valves
Linkage/Actuator Selection Guide

Valve Body Model	Valve Configuration	Size	Failsafe	Close-Off psi	Belimo Actuator Series	Belimo Linkage
C200 Round Top Series Butterfly Valves	2-way	2"	No	200	AM	UFLK3500
					SY1	UFLK3538
					SY2	UFLK3540
		2½"	Yes	200	AF	UFLK3500
			No	200	GM	UFLK3500
					SY1	UFLK3538
	3"	2"	Yes	200	SY2	UFLK3540
					2*AF	UFLK3502
					GK	UFLK3500
		3"	No	200	GM	UFLK3500
					SY1	UFLK3538
			Yes	200	SY2	UFLK3540
					2*AF	UFLK3502
					GK	UFLK3500

BASIC PRODUCTS							
Model	Control Input	Feedback	Power Supply	Running Time(s) [Default]	VA Rating	Auxiliary Switch	Cable Length
GMB24-3-X1	On/Off, Floating Point	Add-on	24 VAC/DC	150 seconds	6	Add-on	3 ft.
GMB24-SR	2-10 VDC (4-20 mA*)	2-10 VDC	24 VAC/DC	150 seconds	6.5	Add-on	3 ft.
GMB24-MFT-X1	2-10 VDC	2-10 VDC	24 VAC/DC	150 seconds	7	Add-on	3 ft.

◆ Variable with MFT
‡ Prices do not reflect additional programming code surcharge.
NOTE: 10' and 16' cables are available with a \$28.00 and \$48.00 adder except for the PC and MFT95 version, which are only available with a 3' cable.

- 2

Verify close-off is suitable for application.
Looking at the **UFLK3500**, the **GM** Series actuator will provide **200 psi close-off** for the **2½" valve**.
- 3

Select actuator based on needed control type.
Decide between **GMB24-3-X1** and **GMB24-MFT-X1**.

- 4

Complete Ordering Example:
Item 1: **UFLK3500**
Item 2: **GMB24-MFT-X1**

SY ACTUATORS

SERIES	MODEL	Run Time(s) 90°@60Hz	Power Supply	Duty Cycle	CONTROL TYPE			Feedback
					Proportional	3 Point	On/Off	
SY1	SY1-110	11 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY1-24	20 seconds	24 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY1-220	10 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY1-110P	16 seconds	120 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY1-24P	15 seconds	24 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY1-220P	16 seconds	230 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
SY2	SY2-110	16 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY2-24	16 seconds	24 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY2-220	16 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY2-120MFT	17 seconds	120 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY2-24MFT	15 seconds	24 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY2-230MFT	17 seconds	230 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
SY3	SY3-110	24 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY3-24	24 seconds	24 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY3-220	25 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY3-24MFT	22 seconds	24 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY3-120MFT	26 seconds	120 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY3-230MFT	26 seconds	230 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
SY4	SY4-110	18 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY4-24	25 seconds	24 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY4-220	18 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY4-24MFT	16 seconds	24 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY4-120MFT	18 seconds	120 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY4-230MFT	18 seconds	230 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
SY5	SY5-110	25 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY5-24	37 seconds	24 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY5-220	25 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY5-24MFT	22 seconds	24 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY5-120MFT	25 seconds	120 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY5-230MFT	25 seconds	230 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
SY6	SY6-110	29 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY6-220	28 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY6-120MFT	31 seconds	120 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY6-230MFT	31 seconds	230 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
SY7	SY7-110	54 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY7-220	54 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY7-120MFT	55 seconds	120 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY7-230MFT	55 seconds	230 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
SY8	SY8-110	58 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY8-220	55 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY8-120MFT	55 seconds	120 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
	SY8-230MFT	55 seconds	230 VAC ±10%, 50/60 Hz	75%	•			2-10 VDC/4-20 mA
SY9	SY9-110	62 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY9-220	63 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY9-120MFT	70 seconds	120 VAC ±10%, 50/60 Hz	50%	•			2-10 VDC/4-20 mA
	SY9-230MFT	70 seconds	230 VAC ±10%, 50/60 Hz	50%	•			2-10 VDC/4-20 mA
SY10	SY10-110	63 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY10-220	64 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY10-120MFT	70 seconds	120 VAC ±10%, 50/60 Hz	50%	•			2-10 VDC/4-20 mA
	SY10-230MFT	70 seconds	230 VAC ±10%, 50/60 Hz	50%	•			2-10 VDC/4-20 mA
SY11	SY11-110	65 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY11-220	64 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY11-120MFT	70 seconds	120 VAC ±10%, 50/60 Hz	50%	•			2-10 VDC/4-20 mA
	SY11-230MFT	70 seconds	230 VAC ±10%, 50/60 Hz	50%	•			2-10 VDC/4-20 mA
SY12	SY12-110	65 seconds	120 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY12-220	63 seconds	230 VAC ±10%, 50/60 Hz	30%		•	•	none, opt 1k
	SY12-120MFT	70 seconds	120 VAC ±10%, 50/60 Hz	50%	•			2-10 VDC/4-20 mA
	SY12-230MFT	70 seconds	230 VAC ±10%, 50/60 Hz	50%	•			2-10 VDC/4-20 mA

Proportional actuators will accept 0-10 VDC, 2-10 VDC, or 4-20 mA control signals as standard.

All SY actuators are non-spring return, but can be used with NSV-SY back up systems for fail-safe applications.

These products carry a two year warranty when sold as part of an assembly or with a UFLK retrofit kit.

Butterfly Valve Retrofit Actuators

Actuator Selection Guide



ROTARY ACTUATORS

SERIES	MODEL	Spring Return	Electronic Fail-Safe	Tandem Mounting Available	Control Input	Feedback Position	Power Supply
AF Series*	AFBUP-X1	•		•	On/Off	-	24-240 VAC
	AFX24-MFT-X1	•		•	Variable with MFT (VDC, PWM, Floating Point, On/Off)	variable VDC	24 VAC/DC
AM Series*	AMB24-3-X1				Floating Point, On/Off	-	24 VAC/DC
	AMX24-MFT-X1				Variable with MFT (VDC, PWM, Floating Point, On/Off)	variable VDC	24 VAC/DC
GM Series*	GMB24-3-X1				Floating Point, On/Off	-	24 VAC/DC
	GMX24-MFT-X1			•	Variable with MFT (VDC, PWM, Floating Point, On/Off)	variable VDC	24 VAC/DC
GK Series*	GKB24-3-X1		•		Floating Point, On/Off	-	24 VAC
	GKX24-MFT-X1		•	•	Variable with MFT (VDC, PWM, Floating Point, On/Off)	variable VDC	24 VAC/DC

*Please consult the Damper sections for a full list of product offerings. Standard run times should be considered in the selection. All air side products are applicable for retrofit kits. Select "X1" actuators come with a handle.

MULTI-FUNCTION TECHNOLOGY

ROTARY ACTUATOR CODES	P-CODE		Control Input	Running Time	Built-in Feedback
	P-10001	A01	2-10 VDC	150 seconds	2-10 VDC
	P-10002	A02	0-10 VDC	150 seconds	0-10 VDC
	P-10028	A28	0-10 VDC	150 seconds	0-10 VDC
	P-10063	A63	0.5-4.5 VDC	150 seconds	0.5-4.5 VDC
	P-10064	A64	5.5-10 VDC	150 seconds	5.5-10 VDC
	P-20002	W02	0.02-5.00 seconds PWM	150 seconds	2-10 VDC
	P-20003	W03	0.10-25.5 seconds PWM	150 seconds	2-10 VDC
	P-30001	F01	Floating Point	150 seconds	2-10 VDC
	P-40002	J02	On/Off	150 seconds	2-10 VDC

SY MULTI-FUNCTION TECHNOLOGY

Description	MFT-CODE	Control Input	Built-in Feedback	Loss of Signal	Running Time
MFT	ACE	2-10 VDC	2-10 VDC	stop	actuator(s) constant
MFT	ACF	0.5-10 VDC	0.5-10 VDC	stop	actuator(s) constant
MFT	ACG	4-20 mA	4-20 mA	stop	actuator(s) constant
MFT	ACH	4-20 mA	2-10 VDC	stop	actuator(s) constant
MFT	ACJ	2-10 VDC	2-10 VDC	open	actuator(s) constant
MFT	ACK	0.5-10 VDC	0.5-10 VDC	open	actuator(s) constant
MFT	ACL	4-20 mA	4-20 mA	open	actuator(s) constant
MFT	ACM	4-20 mA	2-10 VDC	open	actuator(s) constant
MFT	ACN	2-10 VDC	2-10 VDC	close	actuator(s) constant
MFT	ACP	0.5-10 VDC	0.5-10 VDC	close	actuator(s) constant
MFT	ACR	4-20 mA	4-20 mA	close	actuator(s) constant
MFT	ACS	4-20 mA	2-10 VDC	close	actuator(s) constant

All other configurations carry a \$34.00 list price.

Standard delivery may vary, please consult your customer service representative for the latest lead time(s).



Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage
HS Series Butterfly Valves*	2-way	2"	No	200	AM	UFLK3900
			Yes	200	SY2	UFLK3918
		2½"	No	200	AF	UFLK3930
			Yes	200	AM	UFLK3900
		3"	No	200	SY2	UFLK3918
			Yes	200	2*AF	UFLK3936
			No	200	GM	UFLK3900
		4"	No	200	SY2	UFLK3918
			Yes	200	2*AF	UFLK3936
			No	200	GK	UFLK3900
		5"	No	200	2*GM	UFLK3908
			Yes	200	SY2	UFLK3920
		6"	No	200	2*GK	UFLK3908
		8"	No	200	SY2	UFLK3922
		10"	No	200	SY3	UFLK3922
		12"	No	200	SY4	UFLK3970
		14"	No	150	SY4	UFLK3970
		16"	No	150	SY5	UFLK3928
		18"	No	150	SY6	UFLK3928
	3-way	2"	No	200	SY8	UFLK3976
			Yes	200	SY8	UFLK3978
		2½"	No	200	UFLK3980	UFLK3982
			Yes	200	AM	UFLK6900
		3"	No	200	SY2	UFLK6910
			Yes	200	AF	UFLK6950
		4"	No	200	2*GM	UFLK6902
			Yes	200	SY2	UFLK6910
		5"	No	200	2*AF	UFLK6952
			Yes	200	2*GM	UFLK6902
		6"	No	200	SY2	UFLK6910
			Yes	200	2*GK	UFLK6902
		8"	No	200	SY2	UFLK6912
			Yes	200	SY3	UFLK6914
		10"	No	200	SY3	UFLK6914
			Yes	200	SY4	UFLK6920
		12"	No	200	SY4	UFLK6920
			Yes	200	SY5	UFLK6922
HSU Series Butterfly Valves*	2-way	2"	No	50	SY6	UFLK7018
			Yes	50	SY7	UFLK7020
		2½"	No	50	SY8	UFLK7022
			Yes	50	SY9	UFLK7024
		3"	No	50	SY12	UFLK7026
			Yes	50	AM	UFLK3900
		4"	No	50	SY1	UFLK3912
			Yes	50	SY2	UFLK3918
		5"	No	50	AF	UFLK3930
			Yes	50	AM	UFLK3900
		6"	No	50	SY1	UFLK3912
			Yes	50	SY2	UFLK3918
		7"	No	50	AF	UFLK3930
			Yes	50	AM	UFLK3900
		8"	No	50	SY1	UFLK3912
			Yes	50	SY2	UFLK3918
		9"	No	50	2*AF	UFLK3936
			Yes	50	GM	UFLK3905
		10"	No	50	SY2	UFLK3920
			Yes	50	2*AF	UFLK3938
		11"	No	50	GK	UFLK3905
			Yes	50	GM	UFLK3905
		12"	No	50	SY2	UFLK3922
			Yes	50	GK	UFLK3905
		13"	No	50	2*GM	UFLK3910
			Yes	50	SY2	UFLK3922

All close-off pressures listed are approximate and based on valve condition and application.

*For HD/HDU Series Contact Belimo Technical Support for Details.

Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage
HSU Series Butterfly Valves	2-way	6"	Yes	50	2"GK	UFLK3910
		8"	No	50	SY3	UFLK3924
		10"	No	50	SY3	UFLK3926
		12"	No	50	SY4	UFLK3928
	3-way	2"	No	50	GM	UFLK6900
					SY1	UFLK6908
			Yes	50	SY2	UFLK6910
					AF	UFLK6950
		2½"	No	50	GK	UFLK6900
					GM	UFLK6900
			Yes	50	SY1	UFLK6908
					SY2	UFLK6910
		3"	No	50	2"AF	UFLK6952
					GK	UFLK6900
			Yes	50	GM	UFLK6900
					SY2	UFLK6910
		4"	No	50	2"AF	UFLK6952
					GK	UFLK6900
			Yes	50	2*GM	UFLK6904
					SY2	UFLK6912
		5"	No	50	2"GK	UFLK6904
					2*GM	UFLK6906
			Yes	50	SY2	UFLK6914
					2"GK	UFLK6906
6"		No	50	2*GM	UFLK6906	
				SY2	UFLK6914	
		Yes	50	2"GK	UFLK6906	
				SY3	UFLK6919	
8"		No	50	SY3	UFLK6919	
10"		No	50	SY4	UFLK6920	
12"		No	50	SY4	UFLK6922	
BRAY						
30/31 Series Butterfly Valves	2-way	2"	No	175	AM	UFLK1100
					SY1	UFLK1130
			Yes	175	SY2	UFLK1132
					2"AF	UFLK1102
		2½"	No	175	GM	UFLK1100
					SY1	UFLK1130
			Yes	175	SY2	UFLK1132
					2"AF	UFLK1102
		3"	No	175	GK	UFLK1100
					2*GM	UFLK1102
			Yes	175	SY2	UFLK1132
					2"GK	UFLK1102
		4"	No	175	2*GM	UFLK1108
					SY2	UFLK1134
			Yes	175	2"GK	UFLK1108
					SY3	UFLK1136
		5"	No	175	SY3	UFLK1136
		6"	No	175	SY3	UFLK1136
		8"	No	175	SY4	UFLK1138
		10"	No	175	SY4	UFLK1140
		12"	No	175	SY6	UFLK1142
		14"	No	175	SY7	UFLK1144
		16"	No	175	SY8	UFLK1144
		18"	No	175	SY9	UFLK1146
		20"	No	175	SY10	UFLK1146
	3-way	2"	No	200	SY1	UFLK4130
					SY2	UFLK4132
			Yes	200	2"AF	UFLK4102
					2*GM	UFLK4102
		2½"	No	200	SY2	UFLK4132
					2"GK	UFLK4102
			Yes	200	2*GM	UFLK4102
					SY2	UFLK4132
		3"	No	200	2"GK	UFLK4102
Yes			200	2*GM	UFLK4102	
4"		No	200	SY3	UFLK4134	
5"		No	200	SY4	UFLK4136	

All close-off pressures listed are approximate and based on valve condition and application.

*For HD/HDU Series Contact Belimo Technical Support for Details.



Bray
30/31, 40/41 Series Butterfly Valves
Linkage/Actuator Selection Guide

Centerline
C200 Round Top Series Butterfly Valves
Linkage/Actuator Selection Guide

Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage		
30/31 Series Butterfly Valves	3-way	6"	No	200	SY4	UFLK4136		
		8"	No	200	SY5	UFLK4138		
		10"	No	200	SY6	UFLK4140		
		12"	No	200	SY7	UFLK4142		
		14"	No	150	SY8	UFLK4144		
		16"	No	150	SY9	UFLK4146		
		18"	No	150	SY11	UFLK4148		
40/41 Series Butterfly Valves	2-way	2½"	No	285	2*GM	UFLK1200		
			Yes	285	2*GK	UFLK1200		
		3"	No	285	2*GM	UFLK1200		
			Yes	285	2*GK	UFLK1200		
		4"	No	285	2*GM	UFLK1200		
			Yes	285	2*GK	UFLK1200		
		5"	No	285	SY3	UFLK1226		
		6"	No	285	SY4	UFLK1228		
		8"	No	285	SY4	UFLK1230		
		10"	No	285	SY6	UFLK1232		
		12"	No	285	SY7	UFLK1234		
		14"	No	285	SY8	UFLK1236		
		16"	No	285	SY9	UFLK1238		
		18"	No	285	SY11	UFLK1240		
		20"	No	285	SY12	UFLK1242		
	3-way	2½"	No	285	2*GM	UFLK4200		
			Yes	285	SY2	UFLK4222		
				2*GK	UFLK4200			
		3"	No	285	2*GM	UFLK4200		
			Yes	285	SY2	UFLK4222		
		4"	No	285	2*GK	UFLK4200		
		5"	No	285	SY3	UFLK4222		
		6"	No	285	SY4	UFLK4224		
		8"	No	285	SY4	UFLK4224		
		10"	No	285	SY5	UFLK4226		
		12"	No	285	SY7	UFLK4228		
		14"	No	285	SY8	UFLK4230		
		16"	No	285	SY10	UFLK4232		
		16"	No	285	SY12	UFLK4234		
		CENTERLINE						
		C200 Round Top Series Butterfly Valves	2-way	2"	No	200	AM	UFLK3500
					Yes	200	SY1	UFLK3538
						SY2	UFLK3540	
2½"	No			200	AF	UFLK3500		
	Yes			200	GM	UFLK3500		
				SY1	UFLK3538			
				SY2	UFLK3540			
				2*AF	UFLK3502			
3"	No			200	GK	UFLK3500		
	Yes			200	GM	UFLK3500		
				SY1	UFLK3538			
				SY2	UFLK3540			
				2*AF	UFLK3502			
4"	No			200	GK	UFLK3500		
	Yes			200	2*GM	UFLK3508		
				2*GK	UFLK3508			
5"	No			200	SY2	UFLK3544		
6"	No			200	SY3	UFLK3544		
8"	No			200	SY4	UFLK3546		
10"	No			200	SY4	UFLK3548		
12"	No			200	SY5	UFLK3550		
14"	No			150	SY5	UFLK3550		
16"	No			150	SY7	UFLK3552		
18"	No			150	SY8	UFLK3554		

All close-off pressures listed are approximate and based on valve condition and application.

800-543-9038 USA

866-805-7089 CANADA

203-791-8396 LATIN AMERICA/CARIBBEAN

Centerline

C200 Round Top, C200 Square Top Series Butterfly Valves

Linkage/Actuator Selection Guide



Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage			
C200 Round Top Series Butterfly Valves	2-way	20"	No	150	SY8	UFLK3556			
		24"	No	150	SY10	UFLK3558			
	3-way	2"	No	200	AM	UFLK6500			
					SY1	UFLK6536			
					SY2	UFLK6538			
			Yes	200	2* AF	UFLK6502			
		2½"	No	200	GM	UFLK6500			
					SY1	UFLK6536			
					SY2	UFLK6538			
			Yes	200	2* AF	UFLK6502			
					GK	UFLK6500			
					3"	No	200	2* GM	UFLK6502
								SY1	UFLK6536
		SY2	UFLK6538						
		Yes	200	2* GK		UFLK6502			
		4"	No	200	2* GM	UFLK6508			
					SY2	UFLK6540			
					Yes	200	2* GK	UFLK6508	
			5"	No	200	SY3	UFLK6542		
		6"	No	200	SY4	UFLK6544			
		8"	No	200	SY4	UFLK6546			
		10"	No	200	SY5	UFLK6548			
		12"	No	200	SY7	UFLK6550			
		14"	No	150	SY7	UFLK6550			
		16"	No	150	SY8	UFLK6552			
		18"	No	150	SY9	UFLK6554			
		20"	No	150	SY10	UFLK6556			
C200 Square Top Series Butterfly Valves	2-way	2"	No	200	AM	UFLK1300			
					SY1	UFLK1338			
					SY2	UFLK1340			
			Yes	200	AF	UFLK1300			
		2½"	No	200	GM	UFLK1300			
					SY1	UFLK1338			
					SY2	UFLK1340			
			Yes	200	2* AF	UFLK1302			
					GK	UFLK1300			
					2* GM	UFLK1300			
		3"	No	200	SY1	UFLK1338			
					SY2	UFLK1340			
					2* AF	UFLK1302			
			Yes	200	GK	UFLK1300			
		4"	No	200	2* GM	UFLK1308			
					SY2	UFLK1342			
					Yes	200	2* GK	UFLK1308	
			5"	No	200	SY2	UFLK1344		
		6"	No	200	SY3	UFLK1344			
		8"	No	200	SY4	UFLK1346			
		10"	No	200	SY4	UFLK1348			
		12"	No	200	SY5	UFLK1350			
		14"	No	150	SY5	UFLK1350			
		16"	No	150	SY7	UFLK1352			
		18"	No	150	SY8	UFLK1354			
		20"	No	150	SY8	UFLK1356			
	24"	No	150	SY10	UFLK1358				
	3-way	2"	No	200	AM	UFLK4300			
					SY1	UFLK4338			
					SY2	UFLK4340			
			Yes	200	2* AF	UFLK4302			
		2½"	No	200	GM	UFLK4300			
					SY2	UFLK4340			
					2* AF	UFLK4302			
			Yes	200	GK	UFLK4300			
		2* GM			UFLK4302				
		SY2			UFLK4340				
		2* GK			UFLK4302				

All close-off pressures listed are approximate and based on valve condition and application.

800-543-9038 USA

866-805-7089 CANADA

203-791-8396 LATIN AMERICA/CARIBBEAN



Centerline

C200 Square Top, C225 Square Top Series Butterfly Valves Linkage/Actuator Selection Guide

Flowseal

1L/W Series Butterfly Valves Linkage/Actuator Selection Guide

Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage	
C200 Square Top Series Butterfly Valves	3-way	4"	No	200	2*GM	UFLK4308	
					SY2	UFLK4342	
			Yes	200	2*GK	UFLK4308	
		5"	No	200	SY3	UFLK4344	
		6"	No	200	SY4	UFLK4346	
		8"	No	200	SY4	UFLK4348	
		10"	No	200	SY5	UFLK4350	
		12"	No	200	SY7	UFLK4352	
		14"	No	150	SY7	UFLK4352	
		16"	No	150	SY8	UFLK4354	
18"	No	150	SY9	UFLK4356			
20"	No	150	SY10	UFLK4358			
C225 Square Top Series Butterfly Valves	2-way	2"	No	285	GM	UFLK1400	
					SY1	UFLK1436	
					SY2	UFLK1438	
			Yes	285	2*AF	UFLK1402	
		GK			UFLK1400		
		2½"	No	285	GM	UFLK1400	
					SY1	UFLK1436	
					SY2	UFLK1438	
			Yes	285	2*AF	UFLK1402	
		GK			UFLK1400		
		3"	No	285	GM	UFLK1400	
					SY1	UFLK1436	
					SY2	UFLK1438	
			Yes	285	2*AF	UFLK1402	
		GK			UFLK1400		
		4"	No	285	2*GM	UFLK1408	
					SY2	UFLK1440	
			Yes	285	2*GK	UFLK1408	
							SY2
		5"	No	285	SY2	UFLK1442	
		6"	No	285	SY4	UFLK1444	
		8"	No	285	SY4	UFLK1446	
		10"	No	285	SY5	UFLK1448	
		12"	No	285	SY6	UFLK1450	
		14"	No	285	SY7	UFLK1452	
		16"	No	285	SY9	UFLK1454	
		18"	No	285	SY10	UFLK1456	
		20"	No	285	SY10	UFLK1458	
		3-way	2"	No	285	GM	UFLK4400
						SY1	UFLK4436
					SY2	UFLK4438	
	Yes			285	GK	UFLK4400	
						GM	UFLK4400
	2½"		No	285	GM	UFLK4400	
						SY2	UFLK4438
Yes			285	GK	UFLK4400		
						2*GM	UFLK4402
3"	No		285	SY2	UFLK4438		
						2*GK	UFLK4402
	Yes		285	SY3	UFLK4440		
						SY3	UFLK4442
4"	No		285	SY4	UFLK4444		
5"	No	285	SY5	UFLK4446			
6"	No	285	SY7	UFLK4448			
8"	No	285	SY8	UFLK4450			
10"	No	285	SY8	UFLK4452			
12"	No	285	SY12	UFLK4454			
14"	No	285					
16"	No	285					
FLOWSEAL							
1L/W Series Butterfly Valves	2-way	2"	No	285	GM	UFLK1700	
					SY1	UFLK1734	
					SY2	UFLK1736	
			Yes	285	2*AF	UFLK1702	
		GK			UFLK1700		
		2½"	No	285	2*GM	UFLK1702	
SY2	UFLK1736						
	Yes	285	2*GK	UFLK1702			

All close-off pressures listed are approximate and based on valve condition and application.

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203-791-8396 LATIN AMERICA/CARIBBEAN

Flowseal

1L/W, 3L/W Series Butterfly Valves
Linkage/Actuator Selection Guide

Johnson Controls

VF...(H) Series Butterfly Valves
Linkage/Actuator Selection Guide



Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage	
1L/W Series Butterfly Valves	2-way	3"	No	285	2*GM	UFLK1708	
					GM	UFLK1709	
					SY2	UFLK1738	
			Yes	285	2*GK	UFLK1708	
		GK			UFLK1709		
		4"			No	285	2*GM
			GM	UFLK1709			
			SY2	UFLK1738			
			Yes	285	2*GK	UFLK1708	
		GK			UFLK1709		
		5"			No	285	SY3
		6"	No	285	SY3	UFLK1740	
		8"	No	285	SY4	UFLK1742	
		10"	No	285	SY4	UFLK1744	
		12"	No	285	SY6	UFLK1746	
		14"	No	285	SY6	UFLK1746	
		16"	No	285	SY7	UFLK1748	
		18"	No	285	SY9	UFLK1750	
		20"	No	285	SY9	UFLK1752	
		3-way	2"	No	285	GM	UFLK4700
	SY2					UFLK4734	
	Yes			285	2*AF	UFLK4702	
					GK	UFLK4700	
	2½"		No	285	2*GM	UFLK4702	
					SY2	UFLK4734	
			Yes	285	2*GK	UFLK4702	
					3"	No	285
	SY2		UFLK4736				
	Yes		285	2*GK		UFLK4708	
				4"		No	285
	5"		No	285	SY4	UFLK4738	
	6"		No	285	SY4	UFLK4738	
	8"		No	285	SY4	UFLK4740	
	10"		No	285	SY6	UFLK4742	
	12"		No	285	SY7	UFLK4744	
	14"		No	285	SY8	UFLK4744	
	16"		No	285	SY9	UFLK4746	
	18"		No	285	SY11	UFLK4748	
	20"		No	285	SY12	UFLK4750	
	3L/W Series Butterfly Valves	2-way	2"	No	780	SY3	UFLK1828
			2½"	No	780	SY3	UFLK1828
			3"	No	780	SY3	UFLK1830
			4"	No	780	SY4	UFLK1832
			5"	No	780	SY4	UFLK1834
			6"	No	780	SY4	UFLK1836
			8"	No	780	SY7	UFLK1838
			10"	No	780	SY7	UFLK1840
			12"	No	780	SY9	UFLK1842
			14"	No	780	SY9	UFLK1844
3-way		2"	No	780	SY3	UFLK4828	
		2½"	No	780	SY3	UFLK4828	
		3"	No	780	SY3	UFLK4844	
		4"	No	780	SY4	UFLK4830	
		5"	No	780	SY4	UFLK4832	
		6"	No	780	SY4	UFLK4834	
		8"	No	780	SY8	UFLK4836	
		10"	No	780	SY8	UFLK4838	
		12"	No	780	SY12	UFLK4840	
		14"	No	780	SY12	UFLK4842	
JOHNSON CONTROLS							
VF.. (H) Series Butterfly Valves	2-way	2"	No	175	GM	UFLK2100	
					SY1	UFLK2136	
					SY2	UFLK2138	
			Yes	175	2*AF	UFLK2102	
					GK	UFLK2100	

All close-off pressures listed are approximate and based on valve condition and application.

800-543-9038 USA

866-805-7089 CANADA

203-791-8396 LATIN AMERICA/CARIBBEAN



Johnson Controls
VF...(H) Series Butterfly Valves
Linkage/Actuator Selection Guide

Keystone
360/362 Series Butterfly Valves
Linkage/Actuator Selection Guide

Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage		
VF.. (H) Series Butterfly Valves	2-way	2½"	No	175	GM	UFLK2100		
					SY1	UFLK2136		
					SY2	UFLK2138		
		Yes	175	2*AF	UFLK2102			
				GK	UFLK2100			
				GM	UFLK2100			
		3"	No	175	SY1	UFLK2136		
					SY2	UFLK2138		
					2*AF	UFLK2102		
		Yes	175	GK	UFLK2100			
				2*GM	UFLK2108			
				SY2	UFLK2140			
		4"	No	175	2*GK	UFLK2108		
					Yes	175	2*GK	UFLK2108
					5"	No	175	SY3
		6"	No	175	SY4	UFLK2144		
		8"	No	175	SY4	UFLK2158		
		10"	No	175	SY5	UFLK2146		
		12"	No	175	SY7	UFLK2148		
		14"	No	150	SY7	UFLK2156		
		16"	No	150	SY9	UFLK2150		
		18"	No	150	SY10	UFLK2152		
		20"	No	150	SY10	UFLK2154		
	3-way	2"	No	175	GM	UFLK5100		
					SY1	UFLK5130		
					SY2	UFLK5132		
		Yes	175	2*AF	UFLK5102			
				GK	UFLK5100			
				2*GM	UFLK5102			
		2½"	No	175	SY2	UFLK5132		
					Yes	175	2*GK	UFLK5102
					2*GM	UFLK5102		
		3"	No	175	SY2	UFLK5132		
					Yes	175	2*GK	UFLK5102
					4"	No	175	SY3
		5"	No	175	SY4	UFLK5136		
		6"	No	175	SY4	UFLK5136		
		8"	No	175	SY5	UFLK5138		
		10"	No	175	SY6	UFLK5140		
		12"	No	175	SY7	UFLK5142		
		14"	No	150	SY8	UFLK5144		
		16"	No	150	SY9	UFLK5146		
		18"	No	150	SY11	UFLK5148		
		20"	No	150	SY12	UFLK5150		
		KEYSTONE						
		360/362 Series Butterfly Valves, K-LOK	2-way	2½"	No	285	GM	UFLK2400
SY1	UFLK2440							
SY2	UFLK2442							
Yes	285			2*AF	UFLK2402			
				GK	UFLK2400			
				2*GM	UFLK2408			
3"	No			285	SY2	UFLK2444		
					Yes	285	2*GK	UFLK2408
					2*GM	UFLK2414		
4"	No			285	SY2	UFLK2446		
					Yes	285	2*GK	UFLK2414
					5"	No	285	SY2
6"	No			285	SY3	UFLK2448		
8"	No			285	SY3	UFLK2450		
10"	No			285	SY4	UFLK2452		
12"	No			285	SY4	UFLK2454		
14"	No			285	SY6	UFLK2456		
16"	No			285	SY6	UFLK2458		
18"	No			285	SY7	UFLK2460		
20"	No			285	SY9	UFLK2462		
24"	No			285	SY9	UFLK2464		

All close-off pressures listed are approximate and based on valve condition and application.

Keystone

360/362, 370/372, AR1/AR2 Series Butterfly Valves

Linkage/Actuator Selection Guide



Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage
360/362 Series Butterfly Valves, K-LOK	3-way	2½"	No	285	GM	UFLK5400
			Yes	285	SY2	UFLK5440
		3"	No	285	2*AF	UFLK5402
			Yes	285	GK	UFLK5400
		4"	No	285	2*GM	UFLK5408
			Yes	285	SY2	UFLK5442
		5"	No	285	2*GK	UFLK5408
			Yes	285	2*GM	UFLK5414
		6"	No	285	SY2	UFLK5444
			Yes	285	2*GK	UFLK5414
		7"	No	285	SY3	UFLK5444
		8"	No	285	SY4	UFLK5446
		9"	No	285	SY4	UFLK5448
		10"	No	285	SY4	UFLK5450
		12"	No	285	SY6	UFLK5452
		14"	No	285	SY7	UFLK5454
370/372 Series Butterfly Valves, K-LOK	2-way	2½"	No	600	SY3	UFLK2526
		3"	No	600	SY3	UFLK2528
		4"	No	600	SY4	UFLK2530
		5"	No	600	SY4	UFLK2530
		6"	No	600	SY4	UFLK2532
		8"	No	600	SY7	UFLK2534
		10"	No	600	SY7	UFLK2536
		12"	No	600	SY9	UFLK2538
	3-way	14"	No	600	SY9	UFLK2540
		2½"	No	600	SY4	UFLK5526
		3"	No	600	SY4	UFLK5528
		4"	No	600	SY4	UFLK5530
		5"	No	600	SY4	UFLK5530
		6"	No	600	SY4	UFLK5532
		8"	No	600	SY8	UFLK5534
		10"	No	600	SY8	UFLK5536
AR1/AR2 Series Butterfly Valves	2-way	2"	No	175	GM	UFLK2300
			Yes	175	SY1	UFLK2334
		2½"	No	175	SY2	UFLK2336
			Yes	175	2*AF	UFLK2302
		3"	No	175	GK	UFLK2300
			Yes	175	GM	UFLK2300
		4"	No	175	SY1	UFLK2334
			Yes	175	SY2	UFLK2336
		5"	No	175	2*AF	UFLK2302
			Yes	175	GK	UFLK2300
		6"	No	175	GM	UFLK2300
			Yes	175	SY1	UFLK2334
		7"	No	175	SY2	UFLK2336
			Yes	175	2*AF	UFLK2302
		8"	No	175	GK	UFLK2300
			Yes	175	GM	UFLK2300
		9"	No	175	SY1	UFLK2334
			Yes	175	SY2	UFLK2336
		10"	No	175	2*AF	UFLK2302
			Yes	175	GK	UFLK2300
		12"	No	175	2*GM	UFLK2308
		14"	No	175	SY2	UFLK2338
		16"	No	175	2*GK	UFLK2308
		18"	No	175	SY3	UFLK2340
		20"	No	175	SY4	UFLK2356
		22"	No	175	SY4	UFLK2342
		24"	No	175	SY5	UFLK2344
		26"	No	175	SY7	UFLK2346
		28"	No	150	SY7	UFLK2348
		30"	No	150	SY9	UFLK2350
		32"	No	150	SY10	UFLK2352
		34"	No	150	SY11	UFLK2352
		36"	No	150	SY12	UFLK2354

All close-off pressures listed are approximate and based on valve condition and application.

800-543-9038 USA

866-805-7089 CANADA

203-791-8396 LATIN AMERICA/CARIBBEAN



Keystone

AR1/AR2, Figure 222/221 Series Butterfly Valves
Linkage/Actuator Selection Guide

Milwaukee

CL Series Butterfly Valves
Linkage/Actuator Selection Guide

Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage
AR1/AR2 Series Butterfly Valves	3-way	2"	No	175	GM	UFLK5300
					SY1	UFLK5332
			SY2	UFLK5334		
			Yes	175	2" AF	UFLK5302
		GK			UFLK5300	
		2½"	No	175	GM	UFLK5300
					SY2	UFLK5334
			Yes	175	2" AF	UFLK5302
					GK	UFLK5300
		3"	No	175	2" GM	UFLK5302
					SY2	UFLK5334
		4"	No	175	SY3	UFLK5336
		5"	No	175	SY4	UFLK5338
		6"	No	175	SY4	UFLK5338
		8"	No	175	SY5	UFLK5340
		10"	No	175	SY7	UFLK5342
12"	No	175	SY8	UFLK5344		
14"	No	150	SY9	UFLK5346		
16"	No	150	SY10	UFLK5348		
18"	No	150	SY12	UFLK5350		
Figure 222 Series Butterfly Valves	2-way	2"	No	200	GM	UFLK2200
					SY1	UFLK2224
			SY2	UFLK2226		
			Yes	200	2" AF	UFLK2202
		GK			UFLK2200	
		2½"	No	200	GM	UFLK2200
					SY1	UFLK2224
			SY2	UFLK2226		
			Yes	200	2" AF	UFLK2202
		GK			UFLK2200	
		3"	No	200	GM	UFLK2200
					SY1	UFLK2224
			SY2	UFLK2226		
			Yes	200	2" AF	UFLK2202
		GK			UFLK2200	
		4"	No	200	2" GM	UFLK2208
	SY2				UFLK2228	
	Yes		200	2" GK	UFLK2208	
	5"		No	200	SY3	UFLK2230
	6"	No	200	SY4	UFLK2232	
	8"	No	200	SY4	UFLK2234	
	10"	No	200	SY5	UFLK2236	
	12"	No	200	SY7	UFLK2238	
	3-way	2"	No	200	GM	UFLK5200
					SY2	UFLK5224
			Yes	200	2" AF	UFLK5202
					GK	UFLK5200
		2½"	No	200	GM	UFLK5200
					SY2	UFLK5224
			Yes	200	2" AF	UFLK5202
					GK	UFLK5200
		3"	No	200	2" GM	UFLK5202
SY2					UFLK5224	
Yes		200	2" GK	UFLK5202		
4"		No	200	SY3	UFLK5226	
5"		No	200	SY4	UFLK5228	
6"		No	200	SY4	UFLK5228	
8"		No	200	SY5	UFLK5230	
10"		No	200	SY7	UFLK5232	
12"	No	200	SY8	UFLK5234		
MILWAUKEE						
CL Series Butterfly Valves	2-way	2"	No	150	AM	UFLK2600
					SY1	UFLK2624
			Yes	150	SY2	UFLK2628
					AF	UFLK2600

All close-off pressures listed are approximate and based on valve condition and application.

800-543-9038 USA

866-805-7089 CANADA

203-791-8396 LATIN AMERICA/CARIBBEAN

Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage
CL Series Butterfly Valves	2-way	2½"	No	150	AM	UFLK2600
			Yes	150	SY1	UFLK2624
					SY2	UFLK2628
		3"	No	150	AF	UFLK2600
			Yes	150	GM	UFLK2600
					SY1	UFLK2624
					SY2	UFLK2628
					2*AF	UFLK2602
					GK	UFLK2600
		4"	No	150	2*GM	UFLK2608
			Yes	150	SY2	UFLK2630
					2*GK	UFLK2608
					2*GM	UFLK2608
		5"	No	150	SY2	UFLK2630
			Yes	150	2*GK	UFLK2608
		6"	No	150	SY3	UFLK2632
		8"	No	150	SY4	UFLK2634
		10"	No	150	SY4	UFLK2636
		12"	No	150	SY5	UFLK2636
	3-way	2"	No	150	AM	UFLK5600
			Yes	150	SY1	UFLK5622
					SY2	UFLK5624
		2½"	No	150	2*AF	UFLK5602
			Yes	150	GM	UFLK5600
					SY1	UFLK5622
					SY2	UFLK5624
					2*AF	UFLK5602
					GK	UFLK5600
		3"	No	150	GM	UFLK5600
			Yes	150	SY2	UFLK5624
					2*AF	UFLK5602
		4"	No	150	GK	UFLK5600
			Yes	150	2*GM	UFLK5608
					SY2	UFLK5626
		5"	No	150	2*GK	UFLK5608
		6"	No	150	SY3	UFLK5626
		8"	No	150	SY4	UFLK5628
		10"	No	150	SY4	UFLK5630
		12"	No	150	SY6	UFLK5632
		12"	No	150	SY7	UFLK5634
ML Series Butterfly Valves	2-way	2"	No	150	AM	UFLK2700
			Yes	150	SY1	UFLK2732
					SY2	UFLK2734
		2½"	No	150	AF	UFLK2700
			Yes	150	AM	UFLK2700
					SY1	UFLK2732
					SY2	UFLK2734
					AF	UFLK2700
		3"	No	150	GM	UFLK2700
			Yes	150	SY1	UFLK2732
					SY2	UFLK2734
					2*AF	UFLK2702
					GK	UFLK2700
		4"	No	150	2*GM	UFLK2708
			Yes	150	SY2	UFLK2736
		5"	No	150	2*GK	UFLK2708
			Yes	150	2*GM	UFLK2708
					SY2	UFLK2736
		6"	No	150	2*GK	UFLK2708
		8"	No	150	SY3	UFLK2738
		10"	No	150	SY4	UFLK2740
		12"	No	150	SY4	UFLK2742
		14"	No	150	SY5	UFLK2742
		16"	No	150	SY7	UFLK2744
		18"	No	150	SY7	UFLK2744
		18"	No	150	SY8	UFLK2746

All close-off pressures listed are approximate and based on valve condition and application.



Milwaukee
ML Series Butterfly Valves
Linkage/Actuator Selection Guide

Nibco
LD1/WD1, LD2/WD2, LD3 Series Butterfly Valves
Linkage/Actuator Selection Guide

Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage
ML Series Butterfly Valves	2-way	20"	No	150	SY9	UFLK2748
		24"	No	150	SY10	UFLK2750
	3-way	2"	No	150	AM	UFLK5700
					SY1	UFLK5732
			Yes	150	SY2	UFLK5734
					2*AF	UFLK5702
		2½"	No	150	AM	UFLK5700
					SY1	UFLK5732
			Yes	150	SY2	UFLK5734
					2*AF	UFLK5702
		3"	No	150	GM	UFLK5700
					SY2	UFLK5734
			Yes	150	2*AF	UFLK5702
					GK	UFLK5700
		4"	No	150	2*GM	UFLK5708
					SY2	UFLK5736
			Yes	150	2*GK	UFLK5708
					5"	No
		6"	No	150	SY4	UFLK5738
		8"	No	150	SY4	UFLK5740
		10"	No	150	SY6	UFLK5742
		12"	No	150	SY7	UFLK5744
		14"	No	150	SY8	UFLK5746
16"		No	150	SY9	UFLK5748	
18"	No	150	SY10	UFLK5750		
20"	No	150	SY11	UFLK5750		
NIBCO						
LD1/WD1 Series Butterfly Valves	2-way	14"	No	150	SY7	UFLK2960
		16"	No	150	SY8	UFLK2968
		18"	No	150	SY8	UFLK2962
		20"	No	150	SY9	UFLK2964
		24"	No	150	SY11	UFLK2966
	3-way	14"	No	150	SY8	UFLK5956
		16"	No	150	SY9	UFLK5958
		18"	No	150	SY10	UFLK5960
LD2/WD2, LD3 Series Butterfly Valves	2-way	2"	No	150	GM	UFLK2900
					SY1	UFLK2942
			Yes	150	SY2	UFLK2946
					2*AF	UFLK2902
		2½"	No	150	GK	UFLK2900
					GM	UFLK2908
			Yes	150	SY1	UFLK2944
					SY2	UFLK2948
		3"	No	150	2*AF	UFLK2910
					GK	UFLK2908
			Yes	150	2*GM	UFLK2910
					SY2	UFLK2948
		4"	No	150	2*GK	UFLK2910
					2*GM	UFLK2916
			Yes	150	SY2	UFLK2950
					2*GK	UFLK2916
		5"	No	150	SY3	UFLK2952
		6"	No	150	SY3	UFLK2952
		8"	No	150	SY4	UFLK2954
		10"	No	150	SY4	UFLK2956
		12"	No	150	SY6	UFLK2958
		3-way	2"	No	150	GM
	SY2					UFLK5942
Yes	150			2*AF	UFLK5902	
				GK	UFLK5900	
2½"	No		150	2*GM	UFLK5910	
				SY2	UFLK5944	
	Yes		150	2*GK	UFLK5910	

All close-off pressures listed are approximate and based on valve condition and application.



Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage		
LD2/WD2, LD3 Series Butterfly Valves	3-way	3"	No	150	2*GM	UFLK5910		
			Yes	150	SY2	UFLK5944		
		4"	No	150	2*GK	UFLK5910		
			Yes	150	SY3	UFLK5946		
		5"	No	150	SY4	UFLK5948		
		6"	No	150	SY4	UFLK5948		
		8"	No	150	SY6	UFLK5950		
		10"	No	150	SY6	UFLK5952		
12"	No	150	SY8	UFLK5954				
PDC								
27 Series Butterfly Valves (Pinned Shaft Type)	2-way	2"	No	150	GM	UFLK3100		
					SY1	UFLK3122		
		Yes	150	SY2	UFLK3124			
				2*AF	UFLK3102			
		2½"	No	150	GK	UFLK3100		
					2*GM	UFLK3102		
		Yes	150	SY2	UFLK3124			
				2*GK	UFLK3102			
		3"	No	150	2*GM	UFLK3102		
					SY2	UFLK3124		
		Yes	150	2*GK	UFLK3102			
				4"	No	150	2*GM	UFLK3108
	SY2	UFLK3126						
	Yes	150	2*GK	UFLK3108				
			5"	No	150	SY3	UFLK3128	
	6"	No	150	SY3	UFLK3130			
	8"	No	150	SY4	UFLK3132			
	3-way	2"	No	150	GM	UFLK6100		
					SY2	UFLK6122		
		Yes	150	2*AF	UFLK6102			
				GK	UFLK6100			
		2½"	No	150	2*GM	UFLK6102		
					SY2	UFLK6122		
		Yes	150	2*GK	UFLK6102			
3"				No	150	2*GM	UFLK6102	
		SY2	UFLK6122					
Yes		150	2*GK	UFLK6102				
			4"	No	150	SY3	UFLK6124	
5"		No	150	SY4	UFLK6126			
6"	No	150	SY4	UFLK6128				
8"	No	150	SY4	UFLK6130				
10"	No	150	SY6	UFLK6132				
12"	No	150	SY7	UFLK6134				
VICTAULIC								
Masterseal (New Style) Series Butterfly Valves	2-way	2"	No	200	AM	UFLK8172		
					SY1	UFLK8178		
					SY2	UFLK8180		
		Yes	200	2*AF	UFLK8174			
				2½"	No	200	GM	UFLK8172
							SY1	UFLK8178
		Yes	200	SY2	UFLK8180			
				2*AF	UFLK8174			
		3"	No	200	GK	UFLK8172		
					2*GM	UFLK8172		
		Yes	200	SY2	UFLK8180			
				4"	No	200	GK	UFLK8172
		2*GM	UFLK8176					
		Yes	200	SY2	UFLK8182			
				2*GK	UFLK8176			
		5"	No	200	SY3	UFLK8184		
		6"	No	200	SY3	UFLK8184		
		8"	No	200	SY4	UFLK8188		
		10"	No	200	SY5	UFLK8190		
		12"	No	200	SY6	UFLK8190		

All close-off pressures listed are approximate and based on valve condition and application.



Valve Body Model	Valve Configuration	Size	Fail-Safe	Close-Off psi	Belimo Actuator Series	Belimo Linkage
Masterseal (New Style) Series Butterfly Valves	3-way	2"	No	200	GM	UFLK7400
					SY1	UFLK7404
			Yes	200	SY2	UFLK7406
					2*AF	UFLK7402
		2½"	No	200	GK	UFLK7400
					2*GM	UFLK7402
			Yes	200	SY2	UFLK7406
					2*GK	UFLK7402
		3"	No	200	SY2	UFLK7406
		4"	No	200	SY2	UFLK7408
		5"	No	200	SY3	UFLK7410
		6"	No	200	SY4	UFLK7412
Vic300 (Old Style) Series Butterfly Valves	2-way	2"	No	300	SY4	UFLK7414
					SY6	UFLK7410
			Yes	200	SY7	UFLK7418
		2½"	No	300	AM	UFLK3300
					SY1	UFLK3338
			Yes	300	SY2	UFLK3342
					AF	UFLK3300
		3"	No	300	AM	UFLK3308
					SY1	UFLK3340
			Yes	300	SY2	UFLK3344
					AF	UFLK3308
		4"	No	300	GM	UFLK3308
					SY1	UFLK3340
			Yes	300	SY2	UFLK3344
					2*AF	UFLK3310
		5"	No	300	GK	UFLK3308
					2*GM	UFLK3316
			Yes	300	SY2	UFLK3346
					2*GK	UFLK3316
		6"	No	300	SY2	UFLK3348
		8"	No	300	SY3	UFLK3350
		10"	No	300	SY4	UFLK3352
		12"	No	300	SY4	UFLK3354
	3-way	2"	No	300	SY4	UFLK3356
					GM	UFLK6300
			Yes	300	SY1	UFLK6336
					SY2	UFLK6340
		2½"	No	300	AF	UFLK6300
					GK	UFLK6300
			Yes	300	GM	UFLK6308
					SY1	UFLK6338
		3"	No	300	SY2	UFLK6342
		4"	No	300	2*AF	UFLK6310
		5"	No	300	GK	UFLK6308
		6"	No	300	SY2	UFLK6342
		8"	No	300	SY3	UFLK6344
		10"	No	300	SY3	UFLK6346
		12"	No	300	SY4	UFLK6348
			No	300	SY4	UFLK6350
			No	300	SY5	UFLK6352
			No	300	SY6	UFLK6354

All close-off pressures listed are approximate and based on valve condition and application.

Specialty Solutions for Valve Manufacturers

Belimo offers specialty linkage solutions for the manufacturers in the chart below.

Please contact technical support for a quotation.

Valve Company	Butterfly Valve Series	Valve Configuration
Apollo	141/143 Series	2-way
		3-way
Challenger	CH100 Series	2-way
		3-way
Chemtrol	PVC Model C Series	2-way
		3-way
Dezurik	BRS Series	2-way
		3-way
FNW	Figure 1000/2000 Series	2-way
		3-way
Gruvlok	Figure 7700 (Double D Shaft 2003 and Newer) Series	2-way
		3-way
	Figure 7700 (Sheared Pin Shaft Pre 2003) Series	2-way
		3-way
Hammond	61/62 Series	2-way
		3-way
Jamesbury	815 L/W Series	2-way
		3-way
	830 L/W Series	2-way
		3-way
Jenkins	22XXEXJ Series	2-way
		3-way
Metraflex	200 WOG Series	2-way
		3-way
Mueller	65/66 Series	2-way
		3-way
PDC	27 Series (Double D Shaft)	2-way
		3-way
Quartermaster	42/44 Series	2-way
		3-way
Watts	DBF Series (pre 2009)	2-way
		3-way

Considerations:

- The kits above do not require a completed retrofit form. Only the make and model of the competitor valve is needed.
- Each linkage order is custom made and will take additional time to ship than a stock kit.
- Prices may vary with complexity of kit and material availability.
- Every retrofit solution is available in 2-way and 3-way configurations for both SY and damper style actuators.

