

# Retrofit and Replacement Valve Actuators



## Discontinued Belimo Products

### Replacement of Discontinued Belimo Products

When replacing an actuator, whether Belimo or other, be sure to consider the application parameters before selecting the replacement. The new product may not be the best fit for the application.

An example would be an existing MAR actuator mounted to a valve linkage. The direct replacement of the actuator would be the SY series actuator. However, the MAR and the SY have different linkage construction, and the linkage would need to be replaced as well. When retrofitting or replacing actuators, it is always best to select the new product based on application parameters. This ensures the selected actuator is fit for the application.

Please consider the parameters when cross-referencing.

**Please consult Belimo for assistance with valve actuator replacement.**

Spring Return	
Discontinued Model	Replacement
LF24-SR-MP US	LF24-MFT-20 US
LF24-SR-S-MP US	LF24-MFT-S-20 US
AF24-3 US	AF24-MFT US + P-300..
AF24-3-S US	AF24-MFT-S US + P-300..
AF24-SR-S US	AF24-MFT-S US + P-100..
AF24-SR95 US	AF24-MFT95 US
AF24-PWM US	AF24-MFT US + P-200..

Non-Spring Return	
Discontinued Model	Replacement

LV24 US	CCV with LR... or TR....
LV24/200 US	CCV with LR... or TR....
LV24/300 US	CCV with LR... or TR....
LV24-3 US	CCV with LR... or TR....
LV24-1 US	CCV with LR... or TR....
LV24-1/200 US	CCV with LR... or TR....
LV24-1/300 US	CCV with LR... or TR....
LV24-3-1 US	CCV with LR... or TR....
LV24-SR US	CCV with LR... or TR....
LV24-SR/200 US	CCV with LR... or TR....
LV24-SR/300 US	CCV with LR... or TR....
LV24-SR-1 US	CCV with LR... or TR....
LV24-SR-1/200 US	CCV with LR... or TR....
LV24-SR-1/300 US	CCV with LR... or TR....
LV24-SR-1-2.0 US	CCV with LR... or TR....
LV24-SR-1-2.0/200 US	CCV with LR... or TR....
LV24-SR-1-2.0/300 US	CCV with LR... or TR....
LR24 US	LRB24-3
LR24-MFT US	LRX24-MFT + # LR100 RC1 □□□
LR24/200 US	LRX24-3 + # LR000 RC3 002
LR24/300 US	LRX24-3 + # LR000 RC3 002
LR24-1 US	LRB24-3
LR24-1/200 US	LRX24-3 + # LR000 RC3 002
LR24-1/300 US	LRB24-3 + # LR000 RC3 002
LR24-3-1 US	LRB24-3
LR24-3-1/200 US	LRX24-3 + # LR000 RC3 002
LR24-3-1/300 US	LRX24-3 + # LR000 RC3 002
LR24-SR/200 US	LRX24-SR + # LR030 RC3 002
LR24-SR/300 US	LRX24-SR + # LR030 RC3 002
LR24-SR-1 US	LRB24-SR
LR24-SR-1/200 US	LRX24-SR + # LR030 RC3 002

Non-Spring Return	
Discontinued Model	Replacement

LR24-SR-1/300 US	LRX24-SR + # LR030 RC3 002
LR24-SR-1-2.0 US	LRB24-SR
LR24-SR-1-2.0/200 US	LRX24-SR + # LR030 RC3 002
LR24-SR-1-2.0/300 US	LRX24-SR + # LR030 RC3 002
LR24-SR-2.0 US	LRB24-SR
LR24-SR-2.0/200 US	LRX24-SR + # LR030 RC3 002
LR24-SR-2.0/300 US	LRX24-SR + # LR030 RC3 002
LR24-MFT/200 US	LRX24-MFT + # LR100 RC3 □□□
LR24-MFT/300 US	LRX24-MFT + # LR100 RC3 □□□
NR24-3 US*	LRB24-3
NR24-SR US*	LRX24-MFT + # LR100 RC1 □□□
*Please consider Ambient Temperature for Application	
NM24 US	ARB24-3
NM24-SR US	ARX24-SR + # AR030 RC1 □□□
NM24-MFT US	ARX24-MFT + # AR100 RC1A □□□
NM24-SRS US	ARX24-MFT + # AR100 RC1W □□□
AM24 US	ARB24-3
AM24-S US	ARB24-S US
AM24-MFT US	ARX24-MFT + # AR100 RC1 □□□

110 VAC		110 VAC	
Non-Spring Return		Non-Spring Return	
Discontinued Model	Torque	Replacement	Torque
MAR95-15B	1,000	SY3-110	1,335
MAR95-15BP	1,000	SY3-110P	1,335
MAR100B	1,500	SY4-110	3,559
MAR160B	2,000	SY4-110	3,560
MAR100BP	1,800	SY4-110P	3,560
MAR160-BP	2,500	SY4-110P	3,560
MAR250-30	5,000	SY5-110	4,450
MAR250-30P	5,000	SY5-110P	4,450
		SY6-110	6,450
		SY6-110P	6,450
MAR800-30	10,000	SY7-110	9,790
MAR800-30P	10,000	SY7-110P	9,790
		SY8-110	13,350
		SY8-110P	13,350
MAR1600-70	21,000	SY10-110	22,250
MAR1600-70P	21,000	SY10-110P	22,250
MAR4000-70	48,000	SY12-110	31,150
MAR4000-70P	48,000	SY12-110P	31,150

24 VAC		24 VAC	
Non-Spring Return		Non-Spring Return	
Discontinued Model	Torque	Replacement	Torque
MAR100B-24V	1,500	SY4-24	3,560
MAR160-B-24V	2,000	SY4-24	3,560
MAR100BP-24V	1,800	SY4-24P	3,560
MAR160-BP-24V	2,500	SY4-24P	3,560
MAR250-60-24V	5,000	SY5-24	4,450
MAR250-60P-24V	5,000	SY5-24P	4,450

110 VAC		110 VAC	
Spring Return Discontinued Model	Torque	Non-Spring Return Replacement	Torque and Battery System
Sure49-30-CW	600	SY3-110	1,335 + NSV-SY-01
Sure100-30-CW	1,200	SY3-110	1,335 + NSV-SY-01
Sure49-30P-CW	600	SY3-110P	1,335 + NSV-SY-02
Sure100-30P-CW	1,200	SY3-110P	1,335 + NSV-SY-02

See page 152 for pricing on SY actuators

Zone Valves*							
Discontinued Model	Size	Cv Rating	Close Off	Replacement	Size	Cv Rating	Close Off
Z214T+SEF24 NO	1/2"	2.3	43.5	ZONE215N-10+ZONE24NO ZONE215N-25+ZONE24NO	1/2"	1.0 2.5	75 50
Z215T+SEF24 NO	1/2"	3.7	30	ZONE215N-35+ZONE24NO	1/2"	3.5	30
Z220T+SEF24 NO	3/4"	3.7	30	ZONE220N-35+ZONE24NO ZONE220N-50+ZONE24NO	3/4"	3.5 5.0	30 25
Z214T+SEF120 NO	1/2"	2.3	43.5	ZONE215N-10+ZONE120NO ZONE215N-25+ZONE120NO	1/2"	1.0 2.5	75 50
Z215T+SEF120 NO	1/2"	3.7	30	ZONE215N-35+ZONE120NO	1/2"	3.5	30
Z220T+SEF120 NO	3/4"	3.7	30	ZONE220N-35+ZONE120NO ZONE220N-50+ZONE120NO	3/4"	3.5 5.0	30 25
Z214T+SEF24 NC	1/2"	2.3	43.5	ZONE215N-10+ZONE24NC ZONE215N-25+ZONE24NC	1/2"	1.0 2.5	75 50
Z215T+SEF24 NC	1/2"	3.7	30	ZONE215N-35+ZONE24NC	1/2"	3.5	30
Z220T+SEF24 NC	3/4"	3.7	30	ZONE220N-35+ZONE24NC ZONE220N-50+ZONE24NC	3/4"	3.5 5.0	30 25
Z214T+SEF120 NC	1/2"	2.3	43.5	ZONE215N-10+ZONE120NC ZONE215N-25+ZONE120NC	1/2"	1.0 2.5	75 50
Z215T+SEF120 NC	1/2"	3.7	30	ZONE215N-35+ZONE120NC	1/2"	3.5	30
Z220T+SEF120 NC	3/4"	3.7	30	ZONE220N-35+ZONE120NC ZONE220N-50+ZONE120NC	3/4"	3.5 5.0	30 25

\*Please Note: The recommended replacements must be considered depending on the Cv rating and Close-Off requirement involving your application.

(continued on next page.)

# Retrofit and Replacement Valve Actuators



Discontinued Belimo Products

Zone Valves*							
Discontinued Model	Size	Cv Rating	Close Off	Replacement	Size	Cv Rating	Close Off
Z214T+SEF24 NC	1/2"	2.3	43.5	ZONE215N-10+ZONE24NC ZONE215N-25+ZONE24NC	1/2"	1.0 2.5	75 50
Z215T+SEF24 NC	1/2"	3.7	30	ZONE215N-35+ZONE24NC	1/2"	3.5	30
Z220T+SEF24 NC	3/4"	3.7	30	ZONE220N-35+ZONE24NC ZONE220N-50+ZONE24NC	3/4"	3.5 5.0	30 25
Z214T+SEF120 NC	1/2"	2.3	43.5	ZONE215N-10+ZONE120NC ZONE215N-25+ZONE120NC	1/2"	1.0 2.5	75 50
Z215T+SEF120 NC	1/2"	3.7	30	ZONE215N-35+ZONE120NC	1/2"	3.5	30
Z220T+SEF120 NC	3/4"	3.7	30	ZONE220N-35+ZONE120NC ZONE220N-50+ZONE120NC	3/4"	3.5 5.0	30 25
Z315T+SEF24 NC	1/2"	5.0	30	ZONE315N-10+ZONE24NC ZONE315N-25+ZONE24NC ZONE315N-35+ZONE24NC	1/2"	1 2.5 3.5	75 50 30
Z315T+SEF120 NC	1/2"	5.0	30	ZONE315N-10+ZONE120NC ZONE315N-25+ZONE120NC ZONE315N-35+ZONE120NC	1/2"	1 2.5 3.5	75 50 30
Z320T+SEF24 NC	3/4"	5.4	30	ZONE320N-35+ZONE24NC ZONE320N-50+ZONE24NC	3/4"	3.5 5.0	30 25
Z320T+SEF120 NC	3/4"	5.4	30	ZONE320N-35+ZONE120NC ZONE320N-50+ZONE120NC	3/4"	3.5 5.0	30 25
Z814T+SEF24 NO	1/2"	2.3	43.5	ZONE215S-10+ZONE24NC ZONE215S-25+ZONE24NC	1/2"	1.0 2.5	75 50
Z815T+SEF24 NO	1/2"	3.7	30	ZONE215S-35+ZONE24NO	1/2"	3.5	30
Z820T+SEF24 NO	3/4"	3.7	30	ZONE220S-35+ZONE24NO ZONE220S-50+ZONE24NO	3/4"	3.5 5.0	30 25
Z814T+SEF120 NO	1/2"	2.3	43.5	ZONE215S-10+ZONE120NO ZONE215S-25+ZONE120NO	1/2"	1 2.5	75 50
Z815T+SEF120 NO	1/2"	3.7	30	ZONE215S-35+ZONE120NO	1/2"	3.5	30
Z820T+SEF120 NO	3/4"	3.7	30	ZONE220S-35+ZONE120NO ZONE220S-50+ZONE120NO	3/4"	3.5 5.0	30 25
Z814T+SEF24 NC	1/2"	2.3	43.5	ZONE215S-10+ZONE24NC ZONE215S-25+ZONE24NC	1/2"	1.0 2.5	75 50
Z815T+SEF24 NC	1/2"	3.7	30	ZONE215S-35+ZONE24NC	1/2"	3.5	30
Z820T+SEF24 NC	3/4"	3.7	30	ZONE220S-35+ZONE24NC ZONE220S-50+ZONE24NC	3/4"	3.5 5.0	30 25
Z814T+SEF120 NC	1/2"	2.3	43.5	ZONE215S-10+ZONE120NC ZONE215S-25+ZONE120NC	1/2"	1.0 2.5	75 50
Z815T+SEF120 NC	1/2"	3.7	30	ZONE215S-35+ZONE120NC	1/2"	3.5	30
Z820T+SEF120 NC	3/4"	3.7	30	ZONE220S-35+ZONE120NC ZONE220S-50+ZONE120NC		3.5 5.0	30 25
Z915T+SEF24 NC	1/2"	5.0	30	ZONE315S-10+ZONE24NC ZONE315S-25+ZONE24NC ZONE315S-35+ZONE24NC	1/2"	1.0 2.5 3.5	75 50 30
Z915T+SEF120 NC	1/2"	5.0	30	ZONE315S-10+ZONE120NC ZONE315S-25+ZONE120NC ZONE315S-35+ZONE120NC	1/2"	1.0 2.5 3.5	75 50 30
Z920T+SEF24 NC	3/4"	5.4	30	ZONE320S-35+ZONE24NC ZONE320S-50+ZONE24NC	3/4"	3.5 5.0	30 25
Z920T+SEF120 NC	3/4"	5.4	30	ZONE320S-35+ZONE120NC ZONE320S-50+ZONE120NC	3/4"	3.5 5.0	30 25

\*Please Note: The recommended replacements must be considered depending on the Cv rating and Close-Off requirement involving your application.

J20748 - 04/07 - 10M - Subject to change. © Belimo Aircontrols (USA), Inc.