11 GLOBE VALVES

- Self-adjusting stroke of actuator utilizes full control signal for maximum resolution.
- Visual sliding stroke indicators speed installation and system check.
- Assembly can be mounted with valve stem horizontal to the pipe.
- Self locking valve coupling to ensure proper valve-actuator connection.
- Pressure compensated flanged globe valves utilize a balanced plug design perfect for high close-off requirements.

Applications

The comprehensive line of globe valves is available in sizes from ½" to 6" and fulfills the requirements of ANSI 125 and ANSI 250 applications. Utilizing either bronze or stainless steel trim and fitted with either spring or non-spring return actuators, globe valves are the perfect fit for such applications as unit ventilation and air handling units as well as other water/steam control in heating and cooling systems.

Globe Valve Nomenclature

G2	14	S	NVD	24	-MFT	

Valve Type
G2 = 2-way NPT
G3 = 3-way NPT
G6 = 2-way Flanged
G7 = 3-way Flanged

Valve Size
12-50 = ½" to 2"
65-150 = 2½" to 6" (Flanged)

Trim Material
Blank = Bronze Trim
S = Stainless Trim
-250 = ANSI 250 Bronze Trim
S-250 = ANSI 250 Stainless Trim
C = Bronze Trim Pressure Compensated
CS = Stainless Trim Pressure Compensated
LCS = Linear Stainless Trim Pressure Compensated
D = Diverting Bronze Trim
DS = Diverting Stainless Trim

Actuator Type
Non-Spring Return
NVD…
NV…
NVG…
LM…
NM…
AM…
GM…
Spring Return
NVFD…
NVF…
LF…
NF…
AF…

Power Supply
24 = 24 VAC/DC
120 = 120 VAC

Control
Blank = On/Off
-3X1 = On/Off, Floating Point
-SR = 2-10 VDC
-MFT or MFTX1= Multi-Function Technology
-MFT95 = 0-135 Ω

S = Built-in Auxiliary Switch

Ordering Example

1 Choose the valve actuator combination.

G214+NVD24-MFT US **+NO** **+Tagging (if needed)**

2 Specify preference or configuration.

3 **For MFT orders only - select programming code**

4 Does order require tagging?

Set-Up

Non-Spring Models
NO = Normally Open
NC = Normally Closed

Spring Return Models
NO/FO = Normally Open/Fail Open
NO/FC = Normally Open/Fail Closed

NC/FO = Normally Closed/Fail Open
NC/FC = Normally Closed/Fail Closed

Refers to valve ports A to AB.

V-10001 (N01)

V-10001 (N01)	2 to 10 VDC
V-10002 (N02)	0 to 10 VDC
V-10028 (N1E)	0 to 10 VDC
V-10063 (N1K)	0.5 to 4.5 VDC
V-10064 (N1L)	5.5 to 10 VDC
V-20002 (N1U)	0.02 to 5.00 seconds PWM
V-20003 (N1V)	0.10 to 25.5 seconds PWM
V-30001 (N24)	Floating Point

Tagging:
Valves may be tagged per customer specification. ($10.00 per tag)

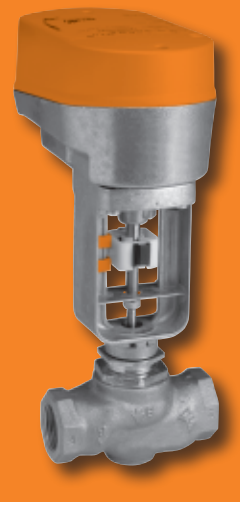
Example:
AHU-1
FCU-2

Part number for tagging:
99981-00101

5 Complete Ordering Example: G214+NVD24-MFT US+NO+N01

Control Valve Product Range

Globe Valve Product Range
G2... G3.., 2-way and 3-way, NPT



	Valve Nominal Size		Type		Suitable Actuators					
C_V	Inches	DN [mm]	2-way NPT	3-way NPT	Non-Spring Return			Spring Return		
0.4	½	15	G212	–	LM Series		NV Series	LF Series		NVF Series
1.3	½	15	G213	–						
2.2	½	15	G214	–						
4.4	½	15	G215	–						
0.4	½	15	G212S	–						
1.3	½	15	G213S	–						
2.2	½	15	G214S	G314						
4.4	½	15	G215S	G315						
4.4	½	15	–	G315D						
5.5	¾	20	G219	–						
7.5	¾	20	G220	–						
5.5	¾	20	G219S	–						
7.5	¾	20	G220S	G320						
7.5	¾	20	–	G320D						
10	1	25	G224	–		NM Series		NF Series	AF Series	
14	1	25	G225	–						
10	1	25	G224S	–						
14	1	25	G225S	G325						
14	1	25	–	G325D						
20	1¼	32	G232	–		NM Series		NF Series	AF Series	
20	1¼	32	G232S	G332						
20	1¼	32	–	G332D						
28	1½	40	G240	–		AM Series			AF Series	
28	1½	40	G240S	G340						
28	1½	40	–	G340D						
40	2	50	G250	–					AF Series	
40	2	50	G250S	–						
41	2	50	–	G350						
41	2	50	–	G350D						

Applications
- Water-side control of air handling unit in ventilation and air-conditioning systems
- Water/Steam control in heating systems

Mode of Operation
The control valve is operated by an electronic actuator that responds to a standard voltage for on/off control, by a proportional VDC/4…20 mA, 3-point control system. The actuator will then move the plug of the valve to the position dictated by the control signal thus change the flow.

Product Features
Equal-percentage characteristic of flow for G2, linear characteristic for G3.

Actuator Specifications

Control type Multi-Function Technology (MFT)	On/Off, Floating Point, 2-10 VDC
Manual override	all models except LF, NF
Electrical connection	3 ft [1m] cable with ½" conduit fitting

Valve Specifications

Service	chilled or hot water, 60% glycol, steam (G2, G2S only)
Flow characteristic linear G3, G2S, G3D	A-port equal percentage G2,
Sizes	½" - 2"
Type of end fitting	½" - 2" NPT female ends
Materials	
Body	bronze
Stem	stainless steel
Seat	bronze stainless steel: G2..S
Plug	brass stainless steel: G2..S
Packing	spring loaded TFE: G2, G3 bronze trimmed
Disc	composition G2 Teflon® G2...S None G3
Pressure rating G2, G3..., ½"- 2"	250 psi
Media temp range	Refer to valve specification pages in this section
Maximum inlet pressure Steam	15 psi (103 kPa) G2 with NV 35 psi (241 kPa) G2 with rotary actuators 50 psi (345 kPa) G2...S with NV 100 psi (690 kPa) G2...S with rotary actuators
Maximum differential pressure (ΔP) Water Steam	 35 psi (241 kPa) 15 psi (103 kPa) G2 with NV 20 psi (138 kPa) G2 with rotary actuators 35 psi (241 kPa) G2...S

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Control Valve Product Range

Globe Valve Product Range
G6... 2-way, Flanged Connection

	Valve Nominal Size	Type	Suitable Actuators			
C_V	Inches	2-way Flanged	Non-Spring Return		Spring Return	
65	2½	G665	NVG Series	GM Series		AF Series
90	3	G680				
65	2½	G665S				
90	3	G680S				
65	2½	G665-250				
90	3	G680-250				
65	2½	G665S-250				
90	3	G680S-250				
65	2½	G665C		NV24 Series	NF Series	
90	3	G680C				
65	2½	G665CS				
65	2½	G665LCS				
90	3	G680CS				
90	3	G680LCS				
170	4	G6100C		GM Series		
170	4	G6100CS				
170	4	G6100LCS				
263	5	G6125C				
263	5	G6125CS				
263	5	G6125LCS				
344	6	G6150C				
344	6	G6150CS				
344	6	G6150LCS				

The G...(C) (CS) (LCS) Series valve is a pressure compensated valve that allows high close-off ratings while utilizing standard actuation.

Applications
- Water-side control of air handling unit in ventilation and air-conditioning systems
- Water/Steam control in heating systems

Mode of Operation
The control valve is operated by an electronic actuator that responds to a standard voltage for on/off control, a proportional VDC/4…20 mA, or 3-point control system. The actuator will then move the plug of the valve to the position dictated by the control signal thus change the flow.

Product Features
Equal-percentage characteristic for G6. Linear characteristic for G6...LCS

Actuator Specifications

Control type	On/Off, Floating Point, 2-10 VDC Multi-Function Technology (MFT)
Manual override	all models
Electrical connection	3 ft [1m] cable with ½" conduit fitting

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	
G6	A-port equal percentage
G6LCS	linear
Sizes	2½" - 6"
Type of end fitting	flanged
Materials	
Body	cast iron
Stem	stainless steel
Seats	bronze: G6 stainless steel: G6..S
Packing	bronze trimmed: NLP stainless trimmed: TFE V-ring
Pressure rating	
G6, 125# ANSI flange	125 psi
G6, 250# ANSI flange	250 psi
Media temp range	
Refer to valve specification pages in this section	
Maximum inlet pressure	
Water	150 psi (1034 kPa) G6, G6S 250 psi (1724 kPa) G6...250, G6S...250
Steam	35 psi (241 kPa) G6, G6...250 50 psi (345 kPa) G6S,G6S...250 (NV) 100 psi (690 kPa) G6S, G6S...250 (Rotary)
Maximum differential pressure (ΔP)	
Water	25 psi (172 kPa) G6, G6...250 50 psi (345 kPa) G6S, G6S...250
Steam	15 psi (103 kPa) G6, G6...250 50 psi (345 kPa) G6S, G6S...250

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Control Valve Product Range

Globe Valve Product Range
G7..., 3-way, Flanged Connection

	Valve Nominal Size	Type	Suitable Actuators		
C_V	Inches	3-Way Flange	Spring Return	Non-Spring Return	
68	2½	G765	AF Series	NVG Series	GM Series
85	3	G780			
68	2½	G765S			
85	3	G780S			
68	2½	G765-250			
85	3	G780-250			
68	2½	G765S-250			
85	3	G780S-250			
190	4	G7100			
280	5	G7125			
340	6	G7150			
190	4	G7100S			
280	5	G7125S			
340	6	G7150S			
190	4	G7100-250			
280	5	G7125-250			
340	6	G7150-250			
190	4	G7100S-250			
280	5	G7125S-250			
340	6	G7150S-250			
68	2½	G765D		NVG Series	
85	3	G780D			
190	4	G7100D			
280	5	G7125D			
340	6	G7150D			
68	2½	G765DS		NVG Series	
85	3	G780DS			
190	4	G7100DS			
280	5	G7125DS			
340	6	G7150DS			
68	2½	G765DS-250		NVG Series	
85	3	G780DS-250			
190	4	G7100DS-250			
280	5	G7125DS-250			
340	6	G7150DS-250			

Applications
- Water-side control of air handling apparatus in ventilation and air-conditioning systems
- Water/Steam control in heating systems

Mode of Operation
The control valve is operated by an electronic actuator that responds to a standard voltage for on/off control, a proportional VDC/4…20 mA, or 3-point control system. The actuator will then move the plug of the valve to the position dictated by the control signal thus change the flow.

Product Features
Linear characteristic

Actuator Specifications

Control type	On/Off, Floating Point, 2-10 VDC Multi-Function Technology (MFT)
Manual override	all models
Electrical connection	3 ft [1m] cable with ½" conduit fitting

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Sizes	2½" - 6"
Type of end fitting	flanged
Materials	
Body	cast iron
Stem	stainless steel
Seats	bronze stainless steel: G7...S
Packing	bronze trimmed: NLP stainless trimmed: TFE V-ring
Pressure rating	
G7, 125# ANSI flange	125 psi
G7, 250# ANSI flange	250 psi
Media temp range	Refer to valve specification pages in this section
Maximum inlet pressure	
Water	150 psi (1034 kPa) G7, G7S 250 psi (1724 kPa) G7...250, G7S...250
Maximum differential pressure (ΔP)	
Water	25 psi (172 kPa) G7, G7...250 50 psi (345 kPa) G7S,G7S...250

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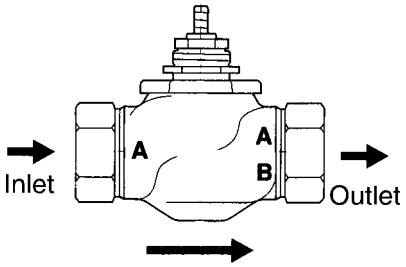
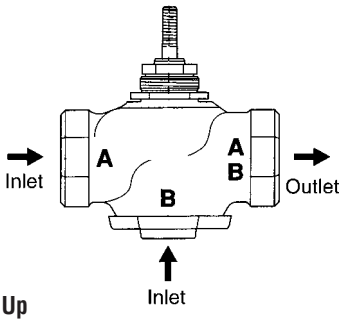
FLOW PATTERN

G2 2-way Valve



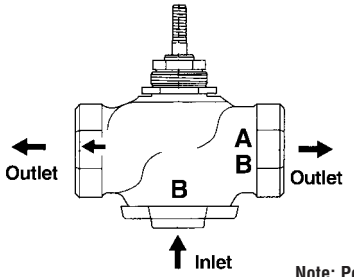
Stem Up
Open A to AB

G3 3-way Mixing Valve



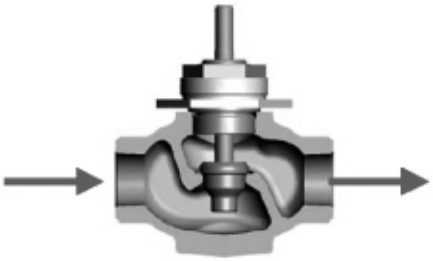
Stem Up
Open B to AB

G3…D 3-way Diverting Valve

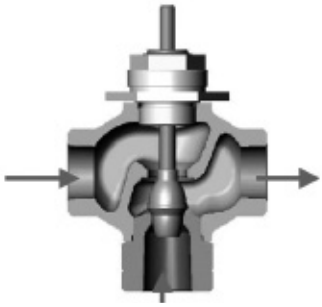


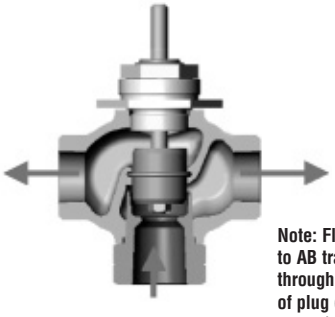
Stem Up
Open B to AB

Note: Ports are labeled B, AB, and ➡



All Valves Shown Stem Down





Note: Flow B to AB travels through center of plug (as shown).

DEFAULT SET-UP:

		SPRING ACTION	2-WAY VALVE	2-WAY VALVE	3-WAY MIXING VALVE	3-WAY MIXING VALVE
			DEFAULT	SPECIFY UPON ORDERING	DEFAULT	SPECIFY UPON ORDERING
NON-SPRING RETURN	**NV Series** NV(D)24-3 US NV(D)24-MFT US NVG24-MFT US	**NA**	**NC:** Closed A to AB, will open upon increase in signal/power. Note: To change reverse the switch S3.1.	**NO:** Open A to AB, will close upon increase in signal/power. Note: To change reverse the switch S3.1.	**NC:** Closed A to AB, will open upon increase in signal/power. Note: To change reverse the switch S3.1.	**NO:** Open A to AB, will close upon increase in signal/power. Note: To change reverse the switch S3.1.
SPRING RETURN	**NVF Series** NVFD24-3 US NVFD24-MFT US NVF24-MFT US	**Spring Up** **Stem Up**				
SPRING RETURN	**NVF-E Series** NVFD24-E US NVF24-MFT-E US	**Spring Down** **Stem Down**				
NON-SPRING RETURN	**NV Series** NV(D)24-3 US NV(D)24-MFT US NVG24-MFT US	**NA**			**3-WAY DIVERTING VALVE**	
SPRING RETURN	**NVF Series** NVFD24-3 US NVFD24-MFT US NVF24-MFT US	**Spring Up** **Stem Up**			**NC:** Closed B to ➡ will open upon increase in signal/power. Note: To change reverse the switch S3.1.	**NO:** Open B to ➡ will open upon increase in signal/power. Note: To change reverse the switch S3.1.
SPRING RETURN	**NVF-E Series** NVFD24-E US NVF24-MFT-E US NVF24-MFT-E US	**Spring Down** **Stem Down**				

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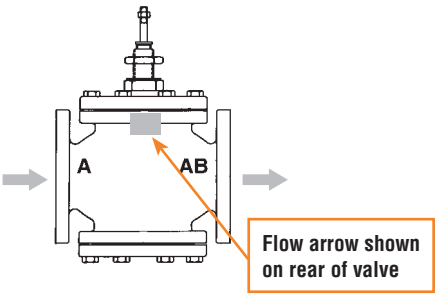
FLOW PATTERN – Flow Pattern is Marked on Valve, All Valves shown Stem Down

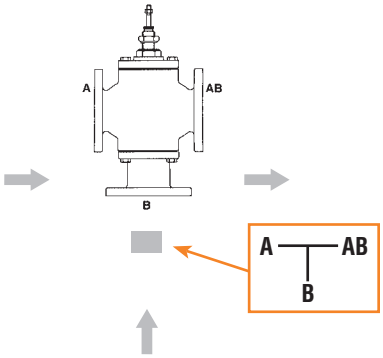
G6 2-way Valve

Stem Up = Open A to AB



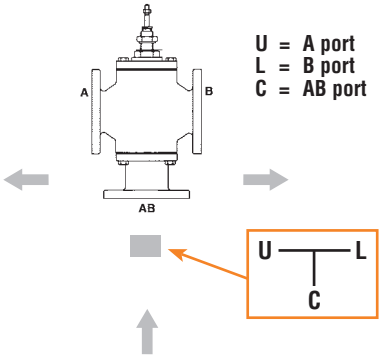
G7 3-way Mixing Valve

Stem Up = Open B to AB



G7…D 3-way Diverting Valve

Stem Up = Open AB to B, Open C to L



DEFAULT SET-UP:

		2-WAY VALVE		3-WAY VALVE	
		DEFAULT	SPECIFY UPON ORDERING	DEFAULT	SPECIFY UPON ORDERING
NON-SPRING RETURN STAYS IN LAST POSITION	GM Series	**NC:** Closed A to AB, will open upon increase in signal/power. Note: To change valve to A to AB open, reverse CW/CCW switch.	**NO:** Open A to AB, will close upon increase in signal/power. Note: To change valve to A to AB closed, reverse CW/CCW switch.	**NC:** Closed A to AB, will open upon increase in signal/power. Note: To change valve to A to AB open, reverse CW/CCW switch.	**NO:** Open A to AB, will close upon increase in signal/power. Note: To change valve to A to AB closed, reverse CW/CCW switch.
	NV Series	**NC:** Closed A to AB, will open upon increase in signal/power. Note: To change valve to A to AB open, reverse S3.1 switch in actuator.		**NO:** Open A to AB, will close upon increase in signal/power. Note: To change valve to A to AB closed, reverse S3.1 switch in actuator.	
	NVG Series	**NC:** Closed A to AB, will open upon increase in signal/power. Note: To change valve to A to AB open, reverse S3.1 switch in actuator.	**NO:** Open A to AB, will close upon increase in signal/power. Note: To change valve to A to AB closed, reverse S3.1 switch in actuator.	**NC:** Closed A to AB, will open upon increase in signal/power. Note: To change valve to A to AB open, reverse S3.1 switch in actuator.	**NO:** Open A to AB, will close upon increase in signal/power. Note: To change valve to A to AB closed, reverse S3.1 switch in actuator.
SPRING RETURN NOTE FAIL POSITION	AF24 US	**NO/FO** Valve: Open A to AB will drive closed. Spring Action: Will spring open A to AB upon power loss.	**NC/FC** Valve: Closed A to AB will drive open. Spring Action: Will spring closed A to AB upon power loss.	**NO/FO** Valve: Open A to AB will drive closed. Spring Action: Will spring open A to AB upon power loss.	**NC/FC** Valve: Closed A to AB will drive open. Spring Action: Will spring closed A to AB upon power loss.
	AF24-MFT US	**NC/FO** Valve: Closed A to AB will open upon increase in signal. Note: To change valve to A to AB open, reverse CW/CCW switch. Spring Action: Will spring open A to AB upon power loss.	**NO/FC or NC/FC** Valve: Can be open or closed, will drive closed or open A to AB (can be chosen with CW/CCW switch). Spring Action: Closed A to AB upon power loss.	**NC/FO** Valve: Closed A to AB will open upon increase in signal. Note: To change valve to A to AB open, reverse CW/CCW switch. Spring Action: Will spring open A to AB upon power loss.	**NO/FC or NC/FC** Valve: Can be open or closed, will drive closed or open A to AB (can be chosen with CW/CCW switch). Spring Action: Closed A to AB upon power loss.
			NO/FO Valve: Open A to AB Spring Action: Will spring open A to AB upon power loss. (NO or NC action can be chosen with CW/CCW switch).		**NO/FO** Valve: Open A to AB Spring Action: Will spring open A to AB upon power loss. (NO or NC action can be chosen with CW/CCW switch).
	NVF… and NVF…-E	**NC:** Closed A to AB, will open upon increase in signal/power. Note: To change valve to A to AB open, reverse S3.1 switch in actuator. Spring return direction is fixed by model. NVF… Spring Open (stem up), NVF…-E Spring Closed (stem down).		**NO:** Open A to AB, will close upon increase in signal/power. Note: To change valve to A to AB closed, reverse S3.1 switch in actuator. Spring return direction is fixed by model. NVF… Spring Open (stem up), NVF…-E Spring Closed (stem down).	
NON-SPRING RETURN	NV Series NV(D)24-3 US NV(D)24-MFT US NVG24-MFT US	**NA**		**3-WAY DIVERTING VALVE**	
SPRING RETURN	NVF Series NVFD24-3 US NVFD24-MFT US NVF24-MFT US	**Spring Up** **Stem Up**		**NC:** Closed AB to A ➡ will open upon increase in signal/power. Note: To change reverse the switch S3.1.	**NO:** Open AB to B ➡ will open upon increase in signal/power. Note: To change reverse the switch S3.1.
	NVF-E Series NVFD24-E US NVF24-MFT-E US NVF24-MFT-E US	**Spring Down** **Stem Down**			

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G2 Series Globe Valves, NV Series Non-Spring Return Actuator

2-way Valve with Bronze Trim, NPT Female Ends

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	G2 stem up - open A to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze
Stem	stainless steel
Plug	brass
Packing	spring loaded TFE
Disc	composition
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class IV
Max Steam Inlet	15 psi (103 kPa)
Media Temp - Water	20°F to 250°F (-7°C to +120°C)
Steam	20°F to 250°F (-7°C to +120°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Steam	15 psi (103 kPa)
Rangeability:	5:1 (G212) 15:1 (G213) 25:1 (G214) 40:1 (G215) 50:1 (G219) 60:1 (G220, G224) 75:1 (all others)

5 YEAR WARRANTY

Non-Spring Return Actuators

ACTUATOR PART #					NVD24-3 US	NVD24-MFT US	NV24-3 US	NV24-MFT US	NVG24-MFT US
Control type					On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT	Proportional/MFT
Manual override					•	•	•	•	•
Running time					150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level					<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)
ELECTRICAL CONNECTION:									
3 ft cable, ½" conduit fitting					•	•	•	•	•
		Valve Nominal Size							
Globe Valve Model #	**C_v Rating**	**Inches**	**DN mm**	**Close-off psi**					
G2... 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G212	0.4	½	15	250	$640.00	$728.00			
G213	1.3	½	15	250	$642.00	$730.00			
G214	2.2	½	15	250	$644.00	$732.00			
G215	4.4	½	15	250	$646.00	$734.00			
G219	5.5	¾	20	250	$650.00	$740.00			
G220	7.5	¾	20	250	$652.00	$746.00			
G224	10	1	25	250			$708.00	$804.00	
G225	14	1	25	250			$712.00	$810.00	
G232	20	1¼	32	162			$888.00	$872.00	
G240	28	1½	40	110			$888.00	$992.00	
G250	40	2	50	58			$1,016.00	$1,116.00	
G240	28	1½	40	160					$1,344.00
G250	40	2	50	90					$1,550.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29	On/Off	150	2-10 VDC	No Charge

Note: Most popular configurations available at no additional cost. Specify when ordering Proportional (V-10001) 2-10 VDC, Floating Point (V-30001), On/Off (V-40002).

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G3 Series Globe Valves, NV Series Non-Spring Return Actuator

3-way Valve with Bronze Trim, Mixing and Diverting, NPT Female Ends

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	G3: stem down-closed A to AB G3D: stem up - open B to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze
Stem	stainless steel
Plug	brass
Packing	spring loaded TFE
Disc	none
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class III
Media Temp - Water	20°F to 250°F (-7°C to +120°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Rangeability:	500:1 (based on ANSI Class III leakage)

Non-Spring Return Actuators

ACTUATOR PART #					NVD24-3 US	NVD24-MFT US	NV24-3 US	NV24-MFT US
Control type					On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT
Manual override					•	•	•	•
Running time					150 seconds	150 seconds	150 seconds	150 seconds
Noise level					<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)
ELECTRICAL CONNECTION:								
3 ft cable, ½" conduit fitting					•	•	•	•
		Valve Nominal Size						
Globe Valve Model #	**C_v Rating**	**Inches**	**DN mm**	**Close-off psi**				
G3… 3-WAY MIXING GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS								
G314	2.2	½	15	250	$680.00	$770.00		
G315	4.4	½	15	250	$682.00	$772.00		
G320	7.5	¾	20	250	$686.00	$776.00		
G325	14	1	25	250			$740.00	$830.00
G332	20	1¼	32	162			$812.00	$904.00
G340	28	1½	40	110			$1,080.00	$1,178.00
G350	41	2	50	58			$1,204.00	$1,296.00
G3…D 3-WAY DIVERTING GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS								
G315D	4.4	½	15	250	$840.00	$932.00		
G320D	7.5	¾	20	250	$862.00	$958.00		
G325D	15	1	25	250	$990.00	$1,080.00		
G332D	20	1¼	32	250			$1,274.00	$1,346.00
G340D	28	1½	40	250			$1,380.00	$1,450.00
G350D	40	2	50	250			$2,248.00	$2,324.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29	On/Off	150	2-10 VDC	No Charge

Note: Most popular configurations available at no additional cost. Specify when ordering Proportional (V-10001) 2-10 VDC, Floating Point (V-30001), On/Off (V-40002).

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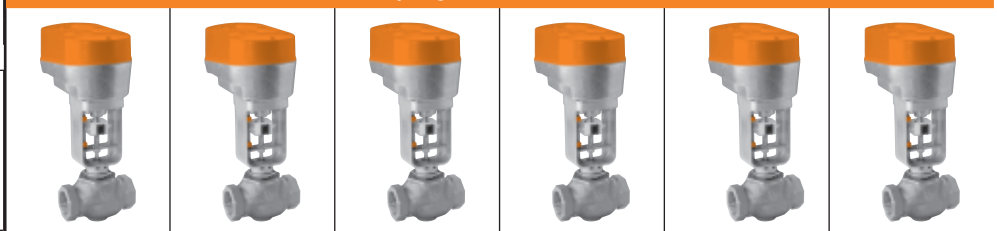
Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	G2 stem up - open A to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze
Stem	stainless steel
Plug	brass
Packing	spring loaded TFE
Disc	composition
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class IV
Max Steam Inlet	15 psi (103 kPa)
Media Temp - Water	20°F to 250°F (-7°C to +120°C)
Steam	20°F to 250°F (-7°C to +120°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Steam	15 psi (103 kPa)
Rangeability:	5:1 (G212) 15:1 (G213) 25:1 (G214) 40:1 (G215) 50:1 (G219) 60:1 (G220, G224) 75:1 (all others)

5 YEAR WARRANTY

Spring Return Actuators



		FAIL OPEN A-AB		FAIL CLOSED A-AB		FAIL CLOSED A-AB	FAIL OPEN A-AB
ACTUATOR PART #		**NVFD24 US**	**NVFD24-MFT US**	**NVFD24-E US**	**NVFD24-MFT-E US**	**NVF24-MFT-E US**	**NVF24-MFT US**
Control type		On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT	Proportional/MFT	Proportional/MFT
Manual override		•	•	•	•	•	•
Running time	motor	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
	spring	30 seconds	30 seconds	30 seconds	30 seconds	30 seconds	30 seconds
Noise level		<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)
ELECTRICAL CONNECTION:							
3 ft cable, ½" conduit fitting		•	•	•	•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	DN mm	Close-off psi						
G2... 2-WAY DIVERTING GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G212	0.4	½	15	250	$728.00	$816.00	$728.00	$816.00		
G213	1.3	½	15	250	$730.00	$818.00	$730.00	$818.00		
G214	2.2	½	15	250	$732.00	$820.00	$732.00	$820.00		
G215	4.4	½	15	250	$736.00	$822.00	$736.00	$822.00		
G219	5.5	¾	20	250	$766.00	$864.00	$766.00	$864.00		
G220	7.5	¾	20	250	$770.00	$868.00	$770.00	$868.00		
G224	10	1	25	207					$898.00	$898.00
G225	14	1	25	207					$904.00	$904.00
G232	20	1¼	32	130					$990.00	$990.00
G240	28	1½	40	88					$1,050.00	$1,050.00
G250	40	2	50	47					$1,224.00	$1,224.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29	On/Off	150	2-10 VDC	No Charge

Note: Most popular configurations available at no additional cost. Specify when ordering Proportional (V-10001) 2-10 VDC, Floating Point (V-30001), On/Off (V-40002).

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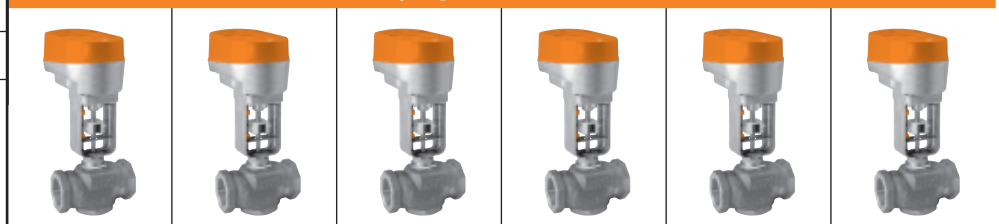
G3 Series Globe Valves, NVF Series Spring Return Actuator

3-way Valve with Bronze Trim, Mixing and Diverting, NPT Female Ends

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	G3: stem down-closed A to AB G3D: stem up - open B to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze
Stem	stainless steel
Plug	brass
Packing	spring loaded TFE
Disc	none
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class III
Media Temp - Water	20°F to 250°F (-7°C to +120°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Rangeability:	500:1 (based on ANSI Class III leakage)

Spring Return Actuators



					FAIL CLOSED A-AB		FAIL OPEN A-AB		FAIL CLOSED A-AB	FAIL OPEN A-AB
ACTUATOR PART #					**NVFD24 US**	**NVFD24-MFT US**	**NVFD24-E US**	**NVFD24-MFT-E US**	**NVF24-MFT US**	**NVF24-MFT-E US**
Control type					On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT	Proportional/MFT	Proportional/MFT
Manual override					•	•	•	•	•	•
Running time				motor	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
				spring	30 seconds	30 seconds	30 seconds	30 seconds	30 seconds	30 seconds
Noise level					<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)
ELECTRICAL CONNECTION:										
3 ft cable, ½" conduit fitting					•	•	•	•	•	•
		Valve Nominal Size								
Globe Valve Model #	**C_v Rating**	**Inches**	**DN mm**	**Close-off psi**						
G3... 3-WAY MIXING GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G314	2.2	½	15	250	$766.00	$848.00	$766.00	$848.00		
G315	4.4	½	15	250	$768.00	$850.00	$768.00	$850.00		
G320	7.5	¾	20	250	$804.00	$886.00	$804.00	$886.00		
G325	14	1	25	207					$928.00	$928.00
G332	20	1¼	32	130					$1,078.00	$1,078.00
G340	28	1½	40	88					$1,242.00	$1,242.00
G350	41	2	50	47					$1,424.00	$1,424.00
G3...D 3-WAY DIVERTING GLOBE VALVE WITH SPRING RETURN ACTUATORS										
					FAIL OPEN B-AB		FAIL CLOSED B-AB		FAIL OPEN B-AB	FAIL CLOSED B-AB
G315D	4.4	½	15	250	$930.00	$1,022.00	$930.00	$1,022.00		
G320D	7.5	¾	20	250	$956.00	$1,048.00	$956.00	$1,048.00		
G325D	15	1	25	250					$1,174.00	$1,174.00
G332D	20	1¼	32	250					$1,490.00	$1,490.00
G340D	28	1½	40	250					$1,596.00	$1,596.00
G350D	40	2	50	250					$2,470.00	$2,470.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29	On/Off	150	2-10 VDC	No Charge

Note: Most popular configurations available at no additional cost. Specify when ordering Proportional (V-10001) 2-10 VDC, Floating Point (V-30001), On/Off (V-40002).

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Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	linear
Action	G2S: stem up - open A to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	spring loaded TFE
Disc	Teflon®
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class IV
Max Steam Inlet	50 psi (345 kPa)
Media Temp - Water	20°F to 250°F (-7°C to +120°C)
Steam	20°F to 298°F (-7°C to +149°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Steam	35 psi (241 kPa)
Rangeability:	5:1 (G212) 15:1 (G213) 25:1 (G214) 40:1 (G215) 50:1 (G219) 60:1 (G220, G224) 75:1 (all others)

5 YEAR WARRANTY

Non-Spring Return Actuators

ACTUATOR PART #					NVD24-3 US	NVD24-MFT US	NV24-3 US	NV24-MFT US	NVG24-MFT US
Control type					On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT	Proportional/MFT
Manual override					•	•	•	•	•
Running time					150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level					<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)
ELECTRICAL CONNECTION:									
3 ft cable, ½" conduit fitting					•	•	•	•	•
Globe Valve Model #	**C_v Rating**	**Valve Nominal Size Inches**	**DN mm**	**Close-off psi**					
G2...S 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G212S	0.4	½	15	250	$898.00	$996.00			
G213S	1.3	½	15	250	$900.00	$998.00			
G214S	2.2	½	15	250	$904.00	$1,000.00			
G215S	4.4	½	15	250	$906.00	$1,002.00			
G219S	5.5	¾	20	250	$1,000.00	$1,094.00			
G220S	7.5	¾	20	250	$1,002.00	$1,098.00			
G224S	10	1	25	250			$1,120.00	$1,236.00	
G225S	14	1	25	250			$1,126.00	$1,242.00	
G232S	20	1¼	32	162			$1,486.00	$1,462.00	
G240S	28	1½	40	110			$1,648.00	$1,722.00	
G250S	40	2	50	58			$1,838.00	$1,910.00	
G240S	28	1½	40	160					$1,352.00
G250S	40	2	50	90					$2,486.00

MULTI-FUNCTION TECHNOLOGY

NV DESCRIPTION	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
	V-10001	N01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29	On/Off	150	2-10 VDC	No Charge

Note: Most popular configurations available at no additional cost. Specify when ordering Proportional (V-10001) 2-10 VDC, Floating Point (V-30001), On/Off (V-40002).

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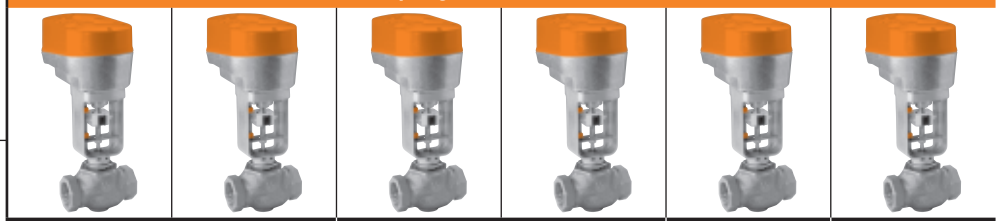
G2...S Series Globe Valves, NVF Series Spring Return Actuator

2-way Valve with Stainless Steel Trim, NPT Female Ends

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	G2S: stem up - open A to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	spring loaded TFE
Disc	Teflon®
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class IV
Max Steam Inlet	50 psi (345 kPa)
Media Temp - Water	20°F to 250°F (-7°C to +120°C)
Steam	20°F to 298°F (-7°C to +149°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Steam	35 psi (241 kPa)
Rangeability:	5:1 (G212) 15:1 (G213) 25:1 (G214) 40:1 (G215) 50:1 (G219) 60:1 (G220, G224) 75:1 (all others)

Spring Return Actuators



	FAIL OPEN A-AB		FAIL CLOSED A-AB		FAIL OPEN A-AB	FAIL CLOSED A-AB
ACTUATOR PART #	**NVFD24 US**	**NVFD24-MFT US**	**NVFD24-E US**	**NVFD24-MFT-E US**	**NVF24-MFT US**	**NVF24-MFT-E US**
Control type	On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT	Proportional/MFT	Proportional/MFT
Manual override	•	•	•	•	•	•
Running time motor	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
spring	30 seconds	30 seconds	30 seconds	30 seconds	30 seconds	30 seconds
Noise level	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)	<35 dB(A)
ELECTRICAL CONNECTION:						
3 ft cable, ½" conduit fitting	•	•	•	•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	DN mm	Close-off psi						
G2...S 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G212S	0.4	½	15	250	$980.00	$980.00	$980.00	$1,064.00		
G213S	1.3	½	15	250	$982.00	$982.00	$982.00	$1,066.00		
G214S	2.2	½	15	250	$984.00	$984.00	$984.00	$1,068.00		
G215S	4.4	½	15	250	$986.00	$986.00	$986.00	$1,070.00		
G219S	5.5	¾	20	250	$1,084.00	$1,084.00	$1,084.00	$1,154.00		
G220S	7.5	¾	20	250	$1,084.00	$1,084.00	$1,084.00	$1,162.00		
G224S	10	1	25	207					$1,308.00	$1,112.00
G225S	14	1	25	207					$1,350.00	$1,350.00
G232S	20	1¼	32	130					$1,692.00	$1,692.00
G240S	28	1½	40	88					$1,868.00	$1,868.00
G250S	40	2	50	47					$2,056.00	$2,056.00

† Specify when ordering Proportional (V-10001) 2-10 VDC, Floating Point (V-30001), On/Off (V-40002).

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29	On/Off	150	2-10 VDC	No Charge

Note: Most popular configurations available at no additional cost. Specify when ordering Proportional (V-10001) 2-10 VDC, Floating Point (V-30001), On/Off (V-40002).

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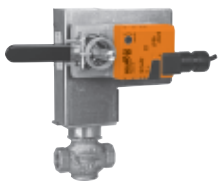
G2... (S) Series Globe Valves, Non-Spring Return Actuator

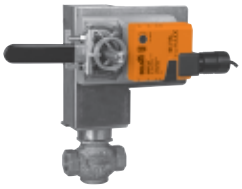
2-way Valve with Bronze Trim / Stainless Steel Trim, NPT Female Ends

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage (G2...S linear)
Action	G2, G2S: stem up - open A to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	stainless steel - bronze (G2S stainless steel)
Stem	stainless steel - bronze (G2S stainless steel)
Plug	stainless steel
Packing	spring loaded TFE
Disc	composition (G2…S = Teflon®)
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class IV
Max Steam Inlet	35 psi (241 kPa) (G2…S = 100 psi (690 kPa)
Media Temp - Water	20°F to 250°F (-7°C to +120°C) up to 300°F (149°C) on G2...S
Steam	20°F to 280°F (-7°C to 138°C) 20°F to 338°F (-7°C to 170°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP: Water	35 psi (241 kPa)
Steam	20 psi (138 kPa) (G2) 35 psi (241 kPa) (G2...S)
Rangeability:	5:1 (G212) 15:1 (G213) 25:1 (G214) 40:1 (G215) 50:1 (G219) 60:1 (G220, G224) 75:1 (all others)

Non-Spring Return Actuators





ACTUATOR PART #					LMB24-3X1	LMB24-SRX1	LMX24-MFTX1	NMB24-3X1	NMB24-SRX1	NMX24-MFTX1	AMB24-3X1	AMB24-SRX1	AMX24-MFTX1
Control type					On/Off, Floating Point	Proportional	Proportional/ MFT	On/Off, Floating Point	Proportional	Proportional/ MFT	On/Off, Floating Point	Proportional	Proportional/ MFT
Manual override					•	•	•	•	•	•	•	•	•
Running time					95 seconds	95 seconds	150 seconds variable	95 seconds	95 seconds	150 seconds variable	95 seconds	95 seconds	150 seconds variable
Noise level					<35 dB(A)	<35 dB(A)	<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:													
3 ft cable, ½" conduit fitting					•	•	•	•	•	•	•	•	•
Globe Valve Model #	**C_v Rating**	**Valve Nominal Size Inches**	**DN (mm)**	**Close-off psi**									
G2… 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS													
G212	0.4	½	15	250	$786.00	$874.00	$914.00						
G213	1.3	½	15	250	$788.00	$876.00	$916.00						
G214	2.2	½	15	250	$790.00	$878.00	$918.00						
G215	4.4	½	15	250	$792.00	$880.00	$920.00						
G219	5.5	¾	20	250	$794.00	$882.00	$922.00						
G220	7.5	¾	20	250	$798.00	$884.00	$924.00						
G224	10	1	25	250				$882.00	$970.00	$1,014.00			
G225	14	1	25	250				$884.00	$972.00	$1,016.00			
G232	20	1¼	32	158				$960.00	$1,046.00	$1,090.00			
G240	28	1½	40	230							$1,250.00	$1,286.00	$1,328.00
G250	40	2	50	127							$1,356.00	$1404.00	$1,436.00
G2…S 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS													
G212S	0.4	½	15	250	$1,036.00	$1,068.00	$1,104.00						
G213S	1.3	½	15	250	$1,040.00	$1,070.00	$1,106.00						
G214S	2.2	½	15	250	$1,042.00	$1,072.00	$1,108.00						
G215S	4.4	½	15	250	$1,044.00	$1,074.00	$1,110.00						
G219S	5.5	¾	20	250	$1,132.00	$1,218.00	$1,250.00						
G220S	7.5	¾	20	250	$1,134.00	$1,220.00	$1,252.00						
G224S	10	1	25	250				$1,260.00	$1,346.00	$1,384.00			
G225S	14	1	25	250				$1,262.00	$1,348.00	$1,386.00			
G232S	20	1¼	32	158				$1,534.00	$1,620.00	$1,646.00			
G240S	28	1½	40	230							$1,984.00	$2010.00	$2,042.00
G250S	40	2	50	127							$2,152.00	$2,172.00	$2,204.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
LM, NM, AM DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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G2... (S) Series Globe Valves, Spring Return Actuator

2-way Valve with Bronze Trim / Stainless Steel Trim

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage (G2...S linear)
Action	G2, G2S: stem up - open A to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze (G2S is stainless steel)
Stem	stainless steel
Plug	brass (G2S is stainless steel)
Packing	spring loaded TFE
Disc	composition (G2…S = Teflon®)
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class IV
Max Steam Inlet	35 psi (241 kPa) G2…S = 100 psi (690 kPa)
Media Temp - Water	20°F to 250°F (-7°C to +120°C) up to 300°F (149°C) on G2...S
Steam	20°F to 280°F (-7°C to 138°C) 20°F to 338°F (-7°C to 170°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP: Water	35 psi (241 kPa)
Steam	20 psi (138 kPa) (G2) 35 psi (241 kPa) (G2...S)
Rangeability:	5:1 (G212) 15:1 (G213) 25:1 (G214) 40:1 (G215) 50:1 (G219) 60:1 (G220, G224) 75:1 (all others)

Spring Return Actuators

ACTUATOR PART #		LF24 US	LF24-3 US	LF24-SR US	LF24-MFT US	NF24 US	NF24-SR US	NF24-MFT US
Control type		On/Off	Floating Point	Proportional	Proportional/MFT	On/Off	Proportional	Proportional/MFT
Manual override								
Running time	motor	<40 to 75 seconds	150 seconds	150 seconds	150 seconds (variable)	<75 seconds	150 seconds	150 seconds (variable)
	spring	<60 seconds	<60 seconds	<60 seconds	<60 seconds	<60 seconds	<60 seconds	<60 seconds
Noise level		<50 dB(A)	<30 dB(A)	<30 dB(A)	<30 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:								
3 ft cable, ½" conduit fitting		•	•	•	•	•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	DN (mm)	Close-off psi	LF24 US	LF24-3 US	LF24-SR US	LF24-MFT US	NF24 US	NF24-SR US	NF24-MFT US
G2…2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G212	0.4	½	15	250	$896.00	$958.00	$982.00	$1,036.00			
G213	1.3	½	15	250	$898.00	$960.00	$984.00	$1,038.00			
G214	2.2	½	15	250	$900.00	$964.00	$986.00	$1,040.00			
G215	4.4	½	15	250	$902.00	$966.00	$988.00	$1,042.00			
G219	5.5	¾	20	185	$924.00	$988.00	$1,010.00	$1,066.00			
G220	7.5	¾	20	185	$926.00	$990.00	$1,014.00	$1,070.00			
G224	10	1	25	168					$942.00	$1,076.00	$1,210.00
G225	14	1	25	168					$944.00	$1,078.00	$1,212.00
G232	20	1¼	32	105					$1,018.00	$1,152.00	$1,288.00
G2…S 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G212S	0.4	½	15	250	$1,142.00	$1,174.00	$1,230.00	$1,286.00			
G213S	1.3	½	15	250	$1,144.00	$1,176.00	$1,232.00	$1,184.00			
G214S	2.2	½	15	250	$1,146.00	$1,178.00	$1,234.00	$1,186.00			
G215S	4.4	½	15	250	$1,148.00	$1,180.00	$1,236.00	$1,292.00			
G219S	5.5	¾	20	185	$1,176.00	$1,202.00	$1,422.00	$1,478.00			
G220S	7.5	¾	20	185	$1,178.00	$1,204.00	$1,424.00	$1,480.00			
G224S	10	1	25	168					$1,316.00	$1,456.00	$1,592.00
G225S	14	1	25	168					$1,318.00	$1,458.00	$1,594.00
G232S	20	1¼	32	105					$1,582.00	$1,728.00	$1,862.00

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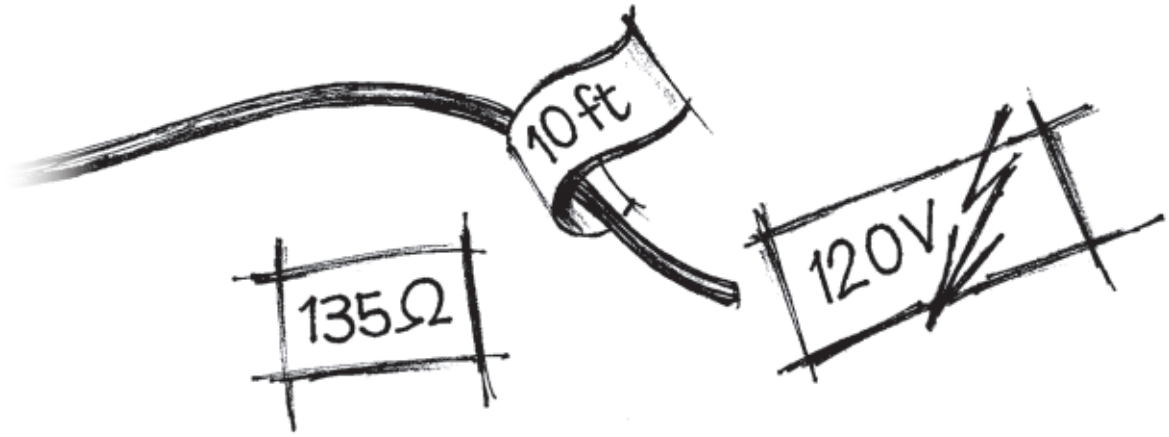
OPTIONS



5 YEAR WARRANTY

Spring Return Actuators

OPTIONS		LF24-S US	LF24-3-S US	LF120	LF120-S US	NF24-S US	NF120 US	NF120-S US
120 VAC power supply				•	•		•	•
Built-in auxiliary switch		•	•		•	•		•
Floating Point			•					
Globe Valve Model #	**C_v Rating**							
G2... 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G212	0.4	$946.00	$1,010.00	$980.00	$980.00			
G213	1.3	$950.00	$1,012.00	$982.00	$982.00			
G214	2.2	$952.00	$1,014.00	$984.00	$984.00			
G215	4.4	$954.00	$1,016.00	$986.00	$986.00			
G219	5.5	$978.00	$1,040.00	$1,008.00	$1,008.00			
G220	7.5	$980.00	$1,044.00	$1,010.00	$1,010.00			
G224	10					$1,022.00	$986.00	$1,064.00
G225	14					$1,024.00	$988.00	$1,066.00
G232	20					$1,098.00	$1,062.00	$1,140.00
G2...S 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G212S	0.4	$1,162.00	$1,224.00	$1,194.00	$1,194.00			
G213S	1.3	$1,164.00	$1,226.00	$1,196.00	$1,196.00			
G214S	2.2	$1,166.00	$1,228.00	$1,198.00	$1,198.00			
G215S	4.4	$1,170.00	$1,230.00	$1,200.00	$1,200.00			
G219S	5.5	$1,226.00	$1,254.00	$1,222.00	$1,222.00			
G220S	7.5	$1,230.00	$1,256.00	$1,224.00	$1,224.00			
G224S	10					$1,396.00	$1,358.00	$1,436.00
G225S	14					$1,398.00	$1,360.00	$1,438.00
G232S	20					$1,662.00	$1,624.00	$1,702.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
LF, NF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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G2... (S) Series Globe Valves, Spring Return Actuator

2-way Valve with Bronze Trim / Stainless Steel Trim

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage (G2...S linear)
Action	G2, G2S: stem up - open A to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze (G2S is stainless steel)
Stem	stainless steel
Plug	brass (G2S is stainless steel)
Packing	spring loaded TFE
Disc	composition (G2…S = Teflon®)
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class IV
Max Steam Inlet	35 psi (241 kPa) G2…S = 100 psi (690 kPa)
Media Temp - Water	20°F to 250°F (-7°C to +120°C) up to 300°F (149°C) on G2...S
Steam	20°F to 280°F (-7°C to 138°C) 20°F to 338°F (-7°C to 170°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP: Water	35 psi (241 kPa)
Steam	20 psi (138 kPa) (G2) 35 psi (241 kPa) (G2...S)
Rangeability:	5:1 (G212) 15:1 (G213) 25:1 (G214) 40:1 (G215) 50:1 (G219) 60:1 (G220, G224) 75:1 (all others)

Spring Return Actuators

ACTUATOR PART #					AF24 US	AF24-SR US	AF24-MFT US
Control type					On/Off	Proportional	On/Off, Floating Point
Manual override					•	•	•
Running time					150 seconds	150 seconds	150 seconds (variable with MFT)
Noise level					<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:							
3 ft cable, ½" conduit fitting					•	•	•
Globe Valve Model #	**C_v Rating**	**Valve Nominal Size Inches**	**DN (mm)**	**Close-off psi**			
G2…2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS							
G240	28	1½	40	169	$1,262.00	$1,440.00	$1,496.00
G250	40	2	50	93	$1,314.00	$1,546.00	$1,550.00
G2…S 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS							
G240S	28	1½	40	169	$1,962.00	$2,176.00	$2,232.00
G250S	40	2	50	93	$2,120.00	$2,344.00	$2,398.00

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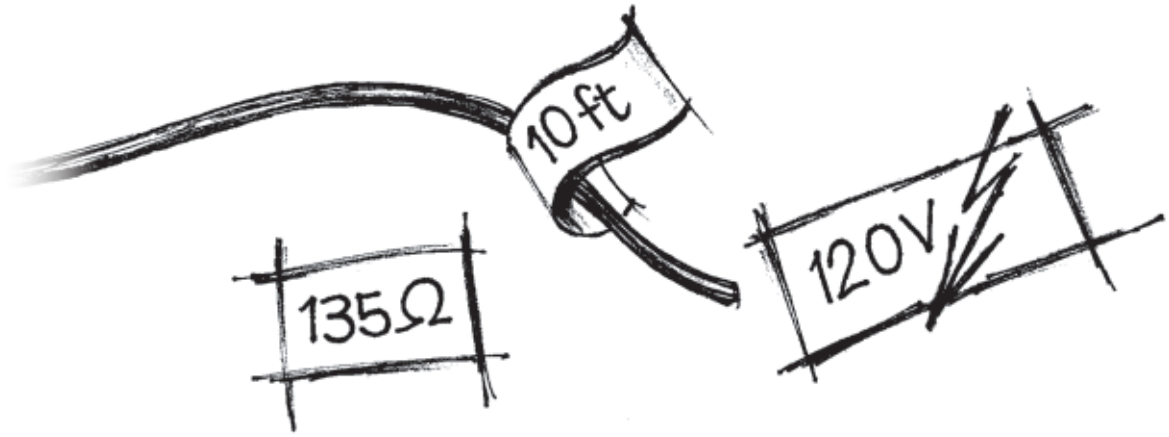
OPTIONS



Spring Return Actuator Options

OPTIONS		AF24-S US	AF120 US	AF120-S US
120 VAC power supply		•	•	•
Built-in auxiliary switch		•	•	•
Floating Point				
Globe Valve Model #	**C_v Rating**			
G2... 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS				
G240	28	$1,350.00	$1,384.00	$1,426.00
G250	40	$1,402.00	$1,436.00	$1,480.00
G2...S 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS				
G240S	28	$2,050.00	$2,118.00	$2,142.00
G250S	40	$2,210.00	$2,286.00	$2,370.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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G3...(D) Series Globe Valves, Non-Spring Return Actuator

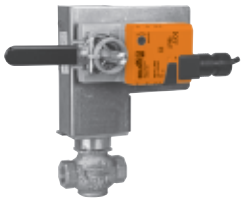
3-way Valve with Bronze Trim, Diverting and Mixing, NPT Female Ends

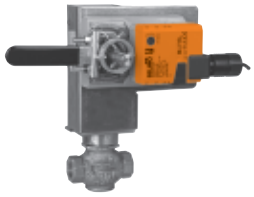
Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	G3: stem down-closed A to AB G3D: stem up - open B to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze
Stem	stainless steel
Plug	brass
Packing	spring loaded TFE
Disc	none
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class III
Media Temp - Water	20°F to 250°F (-7°C to +120°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Rangeability:	500:1(based on ANSI Class III leakage)

5 YEAR WARRANTY

Non-Spring Return Actuators





ACTUATOR PART #					LMB24-3X1	LMB24-SRX1	LMX24-MFTX1	NMB24-3X1	NMB24-SRX1	NMX24-MFTX1	AMB24-3X1	AMB24-SRX1	AMX24-MFTX1
Control type					On/Off, Floating Point	Proportional	Proportional/ MFT	On/Off, Floating Point	Proportional	Proportional/ MFT	On/Off, Floating Point	Proportional	Proportional/ MFT
Manual override					•	•	•	•	•	•	•	•	•
Running time					95 seconds	95 seconds	150 seconds (variable)	95 seconds	95 seconds	150 seconds (variable)	95 seconds	95 seconds	150 seconds (variable)
Noise level					<35 dB(A)	<35 dB(A)	<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:													
3 ft cable, ½" conduit fitting					•	•	•	•	•	•	•	•	•
Globe Valve Model #	**C_v Rating**	**Valve Nominal Size Inches**	**DN (mm)**	**Close-off psi**									
G3...3-WAY MIXING GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS													
G314	2.2	½	15	250	$820.00	$908.00	$946.00						
G315	4.4	½	15	250	$822.00	$910.00	$950.00						
G320	7.5	¾	20	250	$824.00	$912.00	$952.00						
G325	14	1	25	168				$906.00	$982.00	$1,026.00			
G332	20	1¼	32	105				$992.00	$1,078.00	$1,122.00			
G340	28	1½	40	169							$1,426.00	$1,468.00	$1,500.00
G350	41	2	50	93							$1,536.00	$2,534.00	$2,568.00
G3...D 3-WAY DIVERTING GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS													
G315D	4.4	½	15	250	$978.00	$1,064.00	$1,098.00						
G320D	7.5	¾	20	250	$996.00	$1,072.00	$1,108.00						
G325D	14	1	25	250				$1,152.00	$1,242.00	$1,280.00			
G332D	20	1¼	32	250				$1,488.00	$1,572.00	$1,604.00			
G340D	28	1½	40	250							$1,690.00	$1,722.00	$1,754.00
G350D	40	2	50	250							$2,526.00	$2,618.00	$2,650.00

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G3...(D) Series Globe Valves, Spring Return Actuator

3-way Valve with Bronze Trim, NPT Female Ends

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	G3: stem down-closed A to AB G3D: stem up - open B to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze
Stem	stainless steel
Plug	brass
Packing	spring loaded TFE
Disc	none
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class III
Media Temp - Water	20°F to 250°F (-7°C to 120°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Rangeability:	500:1 (based on ANSI Class III leakage)

Spring Return Actuators

ACTUATOR PART #		LF24 US	LF24-3 US	LF24-SR US	LF24-MFT US	NF24 US	NF24-SR US	NF24-MFT US
Control type		On/Off	Floating Point	Proportional	Proportional/MFT	On/Off	Proportional	Proportional/MFT
Manual override								
Running time	motor	<40 to 75 seconds	150 seconds	150 seconds	150 seconds	<75 seconds	150 seconds	150 seconds
	spring	<60 seconds	<60 seconds	<60 seconds	<60 seconds	<60 seconds	<60 seconds	<60 seconds
Noise level		<50 dB(A)	<30 dB(A)	<30 dB(A)	<30 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:								
3 ft cable, ½" conduit fitting		•	•	•	•	•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	DN (mm)	Close-off psi	LF24 US	LF24-3 US	LF24-SR US	LF24-MFT US	NF24 US	NF24-SR US	NF24-MFT US
G3... 3-WAY MIXING GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G314	2.2	½	15	250	$902.00	$966.00	$986.00	$1,040.00			
G315	4.4	½	15	250	$904.00	$968.00	$988.00	$1,042.00			
G320	7.5	¾	20	250	$906.00	$970.00	$990.00	$1,044.00			
G325	14	1	25	168					$820.00	$1,046.00	$1,202.00
G332	20	1¼	32	105					$904.00	$1,128.00	$1,286.00
G3...D 3-WAY DIVERTING GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G315D	4.4	½	15	250	$1,052.00	$1,116.00	$1,136.00	$1,192.00			
G320D	7.5	¾	20	250	$1,072.00	$1,134.00	$1,154.00	$1,210.00			
G325D	14	1	25	250					$1,058.00	$1,284.00	$1,442.00
G332D	20	1¼	32	250					$1,376.00	$1,602.00	$1,766.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
LF, NF, AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P... pre-set MFT configuration number and list price to the actuator when ordering, as needed.
All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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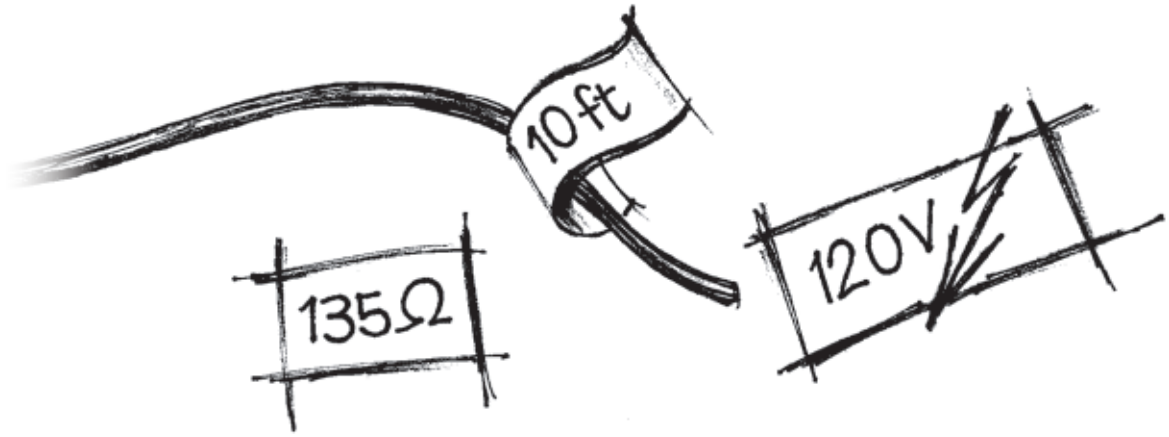
OPTIONS



5 YEAR WARRANTY

Spring Return Actuator Options

OPTIONS		LF24-S US	LF24-3-S US	LF120 US	LF120-S US	NF24-S	NF120 US	NF120-S US
120 VAC power supply				•	•		•	•
Built-in auxiliary switch		•	•		•	•		•
Floating Point			•					
Globe Valve Model #	**C_v Rating**							
G3...3-WAY MIXING GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G314	2.2	$954.00	$1,016.00	$932.00	$986.00			
G315	4.4	$956.00	$1,018.00	$934.00	$988.00			
G320	7.5	$958.00	$1,020.00	$936.00	$990.00			
G325	14					$904.00	$864.00	$946.00
G332	20					$986.00	$946.00	$1,028.00
G3...D 3-WAY DIVERTING GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G315D	4.4	$1,106.00	$1,170.00	$1,084.00	$1,136.00			
G320D	7.5	$1,124.00	$1,188.00	$1,104.00	$1,154.00			
G325D	14					$1,140.00	$1,102.00	$1,184.00
G332D	20					$1,458.00	$1,418.00	$1,500.00

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G3...(D) Series Globe Valves, Spring Return Actuator

3-way Valve with Bronze Trim, NPT Female Ends

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	G3: stem down-closed A to AB G3D: stem up - open B to AB
Sizes	½", ¾", 1", 1¼", 1½", 2"
Type of end fitting	NPT female ends
Materials:	
Body	bronze
Seat	bronze
Stem	stainless steel
Plug	brass
Packing	spring loaded TFE
Disc	none
ANSI Class	ANSI 250 (up to 400 psi below 150°F)
Leakage	ANSI Class III
Media Temp - Water	20°F to 250°F (-7°C to 120°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	35 psi (241 kPa)
Rangeability:	500:1 (based on ANSI Class III leakage)

5 YEAR WARRANTY

Spring Return Actuators

ACTUATOR PART #		AF24 US	AF24-SR US	AF24-MFT US
Control type		On/Off	Proportional	Proportional/MFT
Manual override		•	•	•
Running time	motor	150 seconds	150 seconds	150 seconds
	spring	<20 seconds	<20 seconds	<20 seconds
Noise level		<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:				
3 ft cable, ½" conduit fitting		•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	DN (mm)	Close-off psi	AF24 US	AF24-SR US	AF24-MFT US
G3... 3-WAY MIXING GLOBE VALVE WITH SPRING RETURN ACTUATORS							
G325	14	1	25	168	$936.00	$1,102.00	$1,120.00
G332	20	1¼	32	105	$1,018.00	$1,188.00	$1,204.00
G340	28	1½	40	169	$1,436.00	$1,576.00	$1,630.00
G350	41	2	50	93	$1,548.00	$1,692.00	$1,744.00
G3...D 3-WAY DIVERTING GLOBE VALVE WITH SPRING RETURN ACTUATORS							
G325D	14	1	25	250	$1,174.00	$1,348.00	$1,404.00
G332D	20	1¼	32	250	$1,490.00	$1,682.00	$1,738.00
G340D	28	1½	40	250	$1,762.00	$1,910.00	$1,962.00
G350D	41	2	50	250	$2,508.00	$2,670.00	$2,722.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P... pre-set MFT configuration number and list price to the actuator when ordering, as needed.
All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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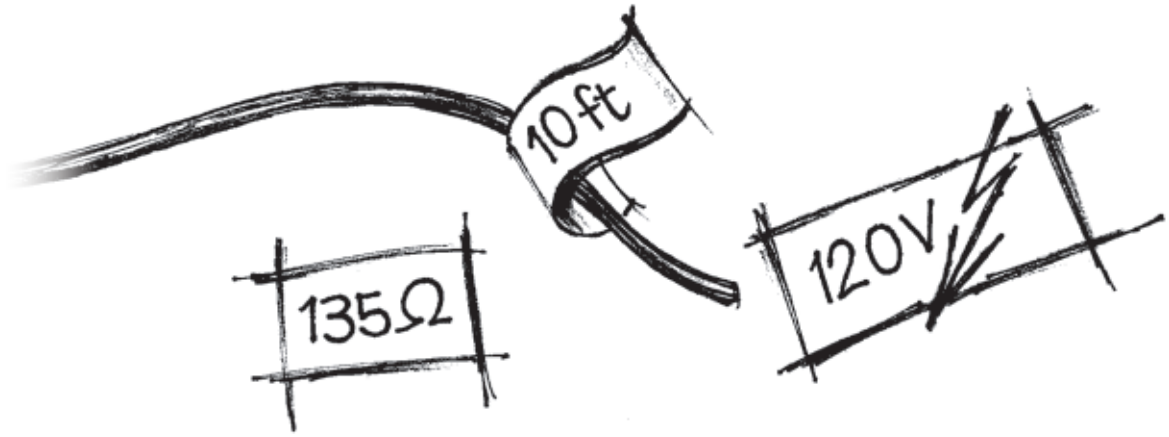
OPTIONS



5 YEAR WARRANTY

		Spring Return Actuator Options		
OPTIONS		**AF24-S US**	**AF120 US**	**AF120-S US**
120 VAC power supply			•	•
Built-in auxiliary switch		•		•
Floating Point				
Globe Valve Model #	**C_v Rating**			
G3...3-WAY MIXING GLOBE VALVE WITH SPRING RETURN ACTUATORS				
G325	14	$1,024.00	$1,010.00	$1,094.00
G332	20	$1,108.00	$1,094.00	$1,180.00
G340	28	$1,526.00	$1,522.00	$1,606.00
G350	41	$1,636.00	$1,634.00	$1,720.00
G3...D 3-WAY DIVERTING GLOBE VALVE WITH SPRING RETURN ACTUATORS				
G325D	14	$1,262.00	$1,252.00	$1,336.00
G332D	20	$1,578.00	$1,574.00	$1,660.00
G340D	28	$1,850.00	$1,852.00	$1,938.00
G350D	41	$2,596.00	$2,614.00	$2,698.00

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G6 Series Flanged Globe Valves, Spring Return Actuator

2-way Valve with Bronze Trim - ANSI 125 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½", 3"
Type of end fitting	125 lb. flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034kPa) @ 250°F
Max Steam Inlet	35 psi (241 kPa)
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Steam	32°F to 280°F (0°C to 138°C)
Ambient Temp	-22°F to 122°F (-30°C to +50°C)
Maximum ΔP:	
Water	25 psi (172 kPa)
Steam	15 psi (103 kPa)
Rangeability	50:1

5 YEAR WARRANTY

Spring Return Actuators

ACTUATOR PART #		AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type		On/Off	Proportional/MFT	On/Off	Proportional/MFT
Manual override		•	•	•	•
Running time	Motor	150 seconds	150 seconds	150 seconds	150 seconds
	Spring	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level		<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft cable, ½" conduit fitting		•	•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	Flanged Type	Close-off ANSI III	AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
G6…2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G665	65	2½	ANSI 125	36	$1,872.00	$2,004.00		
G680	90	3	ANSI 125	24	$2,008.00	$2,120.00		
G665	65	2½	ANSI 125	59			$2,368.00	$2,692.00
G680	90	3	ANSI 125	40			$2,498.00	$2,824.00

For fail safe operation where AF actuator is not available or close-off is too low, use GM actuator with NSV battery backup.

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P… pre-set MFT configuration number and list price to the actuator when ordering, as needed.
Most popular configurations available at no additional cost.

2* designates tandem.

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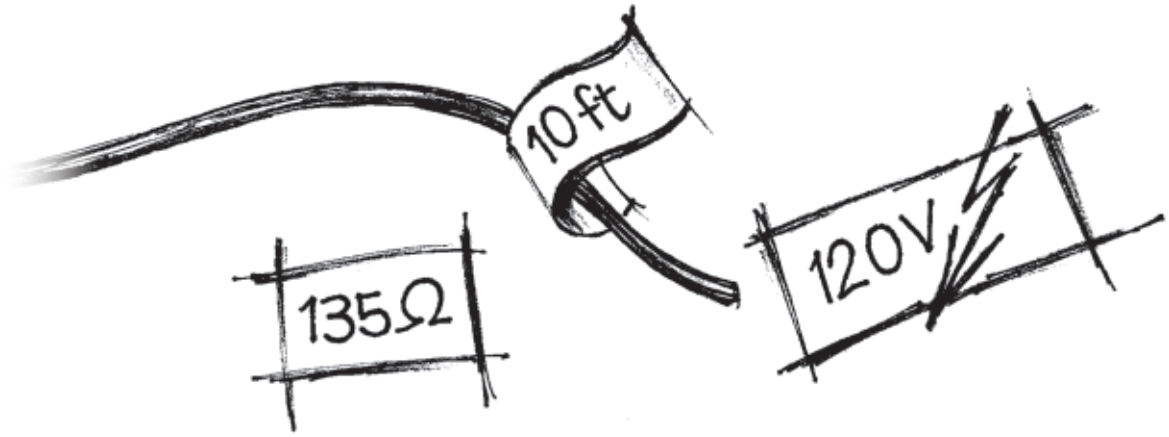
OPTIONS



Spring Return Actuators Options

OPTIONS		AF24-S US	AF120 US	AF120-S US	AF24-MFT-S US	AF24-MFT95	2*AF24-S US	2*AF24-MFT-S US	2*AF24-MFT95	2*AF120 US	2*AF120-S US
120 VAC power supply			•	•						•	•
Built-in auxiliary switch		•		•	•		•	•			•
0-135 Ω control						•			•		
Globe Valve Model #	**C_v Rating**										
G6… 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G665	65	$1,928.00	$1,928.00	$2,014.00	$2,088.00	$2,024.00					
G680	90	$2,092.00	$2,060.00	$2,148.00	$2,206.00	$2,144.00					
G665	65						$2,454.00	$2,778.00	$2,712.00	$2,564.00	$2,778.00
G680	90						$2,584.00	$2,910.00	$2,864.00	$2,694.00	$2,780.00

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G6 Series Flanged Globe Valves, Non-Spring Return Actuator

2-way Valve with Bronze Trim - ANSI 125 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½", 3"
Type of end fitting	125 lb. flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034kPa) @ 250°F
Max Steam Inlet	35 psi (241 kPa)
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Media Temp - Steam	32°F to 280°F (0°C to 138°C)
Ambient Temp	-22°F to 122°F [-30°C to +50°C]
Maximum ΔP:	
Water	25 psi (172 kPa)
Steam	15 psi (103 kPa)
Rangeability	50:1

Non-Spring Return Actuators

ACTUATOR PART #					NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
Control type					Proportional/MFT	On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT
Manual override					•	•	•	•	•
Running time					150 seconds	150 seconds	150 seconds	150 seconds,	150 seconds
Noise level					<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:									
3 ft cable, ½" conduit fitting					•	•	•	•	•
Globe Valve Model #	**C_v Rating**	**Valve Nominal Size Inches**	**Flanged Type**	**Close-off ANSI III**					
G6... 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G665	65	2½	ANSI 125	69	$1,644.00				
G680	90	3	ANSI 125	42	$1,800.00				
G665	65	2½	ANSI 125	116		$1,826.00	$2,072.00		
G680	90	3	ANSI 125	79		$1,956.00	$2,226.00		
G665	65	2½	ANSI 125	150				$2,346.00	$2,764.00
G680	90	3	ANSI 125	123				$2,478.00	$2,900.00

MULTI-FUNCTION TECHNOLOGY

P-CODES						Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	GM DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½", 3"
Type of end fitting	125 lb. flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034kPa) @ 250°F
Max Steam Inlet	100 psi (680 kPa) Rotary 50 psi (345 kPa) NV
Media Temp - Water	32°F to 350°F (0°C to 176°C)
Steam	32°F to 338°F (0°C to 170°C) Rotary 20°F to 298°F (-7°C to 148°C) NV
Ambient Temp	-22°F to 122°F [-30°C to +50°C]
Maximum ΔP:	
Water	50 psi (345 kPa)
Steam	50 psi (345 kPa)
Rangeability	50:1

5 YEAR WARRANTY

Non-Spring Return Actuators

ACTUATOR PART #	NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
Control type	Proportional/MFT	On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT
Manual override	•	•	•	•	•
Running time	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level	<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft cable, ½" conduit fitting	•	•	•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	Flanged Type	Close-off ANSI III	NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
G6...S 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G665S	65	2½	ANSI 125	62	$2,332.00				
G680S	90	3	ANSI 125	42	$2,566.00				
G665S	65	2½	ANSI 125	116		$2,346.00	$2,580.00		
G680S	90	3	ANSI 125	79		$2,604.00	$2,888.00		
G665S	65	2½	ANSI 125	150				$2,756.00	$3,358.00
G680S	90	3	ANSI 125	123				$3,146.00	$3,642.00

MULTI-FUNCTION TECHNOLOGY

NV DESCRIPTION	GM DESCRIPTION	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
V-10001	P-10001	A01		2-10 VDC	150 seconds	2-10 VDC	No Charge
V-10002	P-10002	A02		0-10 VDC	150 seconds	0-10 VDC	No Charge
V-10028	P-10028	A28		0-10 VDC	100 seconds	0-10 VDC	No Charge
V-10063	P-10063	A63		0.5-4.5 VDC	150 seconds	0.5-4.5 VDC	No Charge
V-10064	P-10064	A64		5.5-10 VDC	150 seconds	5.5-10 VDC	No Charge
V-20002	P-20002	W02		0.02-5.00 seconds PWM	150 seconds	2-10 VDC	No Charge
V-20003	P-20003	W03		0.10-25.5 seconds PWM	150 seconds	2-10 VDC	No Charge
V-30001	P-30001	F01		Floating Point	150 seconds	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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G6...S Series Flanged Globe Valves, Spring Return Actuator

2-way Valve with Stainless Steel Trim - ANSI 125 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½", 3"
Type of end fitting	125 lb. flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034kPa) @ 250°F
Max Steam Inlet	100 psi (680 kPa)
Media Temp - Water	32°F to 338°F (0°C to 170°C)
Steam	32°F to 338°F (0°C to 170°C)
Ambient Temp	-22°F to 122°F [-30°C to +50°C]
Maximum ΔP:	
Water	50 psi (345 kPa)
Steam	50 psi (345 kPa)
Rangeability	50:1

Spring Return Actuators

ACTUATOR PART #		AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type		On/Off	Proportional/MFT	On/Off	Proportional/MFT
Manual override		•	•	•	•
Running time	Motor	150 seconds	150 seconds	150 seconds	150 seconds
	Spring	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level		<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft cable, ½" conduit fitting		•	•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	Flanged Type	Close-off ANSI III	AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
G6...S 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G665S	65	2½	ANSI 125	36	$2,392.00	$2,558.00		
G680S	90	3	ANSI 125	24	$2,676.00	$2,842.00		
G665S	65	2½	ANSI 125	59			$2,888.00	$3,286.00
G680S	90	3	ANSI 125	40			$3,172.00	$3,570.00

For fail safe operation where AF actuator is not available or Close-off is too low, use pressure compensated globe valves.

MULTI-FUNCTION TECHNOLOGY

AF DESCRIPTION P-CODES		Control Input	Running Time	Built-in Feedback	List Price
P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
P-30001	F01	Floating Point	150	2-10 VDC	No Charge
P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P… pre-set MFT configuration number and list price to the actuator when ordering, as needed.
Most popular configurations available at no additional cost.

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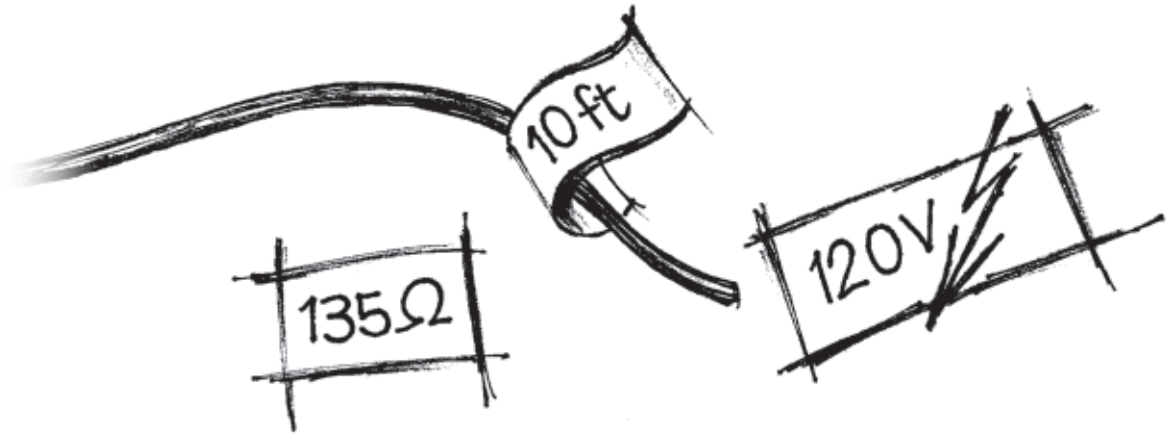
OPTIONS



5 YEAR WARRANTY

Spring Return Actuators Options

OPTIONS		AF24-S US	AF120 US	AF120-S US	AF24-MFT-S US	AF24-MFT95 US	2*AF24-S US	2*AF120 US	2*AF120-S US	2*AF24-MFT-S US	2*AF24-MFT95
120 VAC power supply			•	•				•	•		
Built-in auxiliary switch		•		•	•		•		•	•	
0-135 Ω control						•					•
Globe Valve Model #	**C_v Rating**										
G6...S 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G665S	65	$2,480.00	$2,446.00	$2,534.00	$2,644.00	$2,578.00					
G680S	90	$2,764.00	$2,728.00	$2,814.00	$2,926.00	$2,862.00					
G665S	65						$2,976.00	$2,996.00	$3,082.00	$3,374.00	$3,326.00
G680S	90						$3,258.00	$3,280.00	$3,368.00	$3,594.00	$3,610.00

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Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Max Steam Inlet	35 psi (241 kPa)
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Media Temp - Steam	32°F to 280°F (0°C to 138°C)
Maximum ΔP:	
Water	25 psi (172 kPa)
Steam	15 psi (103 kPa)

5 YEAR WARRANTY

Non-Spring Return Actuators

ACTUATOR PART #	NV24-3 US	NV24-MFT US	GMB24-3X1	GMX24-MFTX1
Control type	On/Off, Floating	Proportional/MFT	On/Off, Floating	Proportional/MFT
Manual override	•	•	•	•
Running time	30 seconds	30 seconds	motor: 150 seconds spring: <20 seconds	motor: 150 seconds spring: <20 seconds
Noise level	<35 db(A)	<35 db(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:				
3 ft, cable, ½" conduit fitting	•	•	•	•

Globe Valve Model #	C_V Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III	NV24-3 US	NV24-MFT US	GMB24-3X1	GMX24-MFTX1
G6...C 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS								
G665C	65	2½	ANSI 125	150	$2,074.00	$2,144.00		
G680C	90	3	ANSI 125	150	$2,304.00	$2,372.00		
G6100C	170	4	ANSI 125	150			$2,778.00	$2,972.00
G6125C	263	5	ANSI 125	150			$4,080.00	$4,382.00
G6150C	344	6	ANSI 125	150			$4,660.00	$4,854.00

MULTI-FUNCTION TECHNOLOGY

P-CODES						Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	GM DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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G6...C Series Flanged Globe Valve, Spring Return Actuator

2-way Pressure Compensated Valve with Bronze Trim– ANSI 125 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Max Steam Inlet	35 psi (241 kPa)
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Media Temp - Steam	32°F to 280°F (0°C to 138°C)
Maximum ΔP:	
Water	25 psi (172 kPa)
Steam	15 psi (103 kPa)

Spring Return Actuators

		FAIL OPEN A-AB	FAIL CLOSED A-AB				
ACTUATOR PART #		**NVF24-MFT US**	**NVF24-MFT-E US**	**AF24 US**	**AF24-MFT US**	**2*AF24 US**	**2*AF24-MFT US**
Control type		Proportional/MFT	Proportional/MFT	On/Off	Proportional/MFT	On/Off	Proportional/MFT
Manual override		•	•	•	•	•	•
Running time	motor	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
	spring	30 seconds	30 seconds	20 seconds	20 seconds	20 seconds	20 seconds
Noise level		<35 dB(A)	<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:							
3 ft, cable, ½" conduit fitting		•	•	•	•	•	•

Globe Valve Model #	Cv Rating	Valve Nominal Size IN	Flanged Type	Close-Off ANSI III						
G6...C 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G665C	65	2½	ANSI 125	150	$2,234.00	$2,234.00	$2,376.00	$2,554.00		
G680C	90	3	ANSI 125	136	$2,464.00	$2,464.00	$2,536.00	$2,788.00		
G6100C	170	4	ANSI 125	132					$3,354.00	$3,338.00
G6125C	263	5	ANSI 125	87					$4,584.00	$4,680.00
G6150C	344	6	ANSI 125	50					$5,074.00	$5,066.00

MULTI-FUNCTION TECHNOLOGY

P-CODES						Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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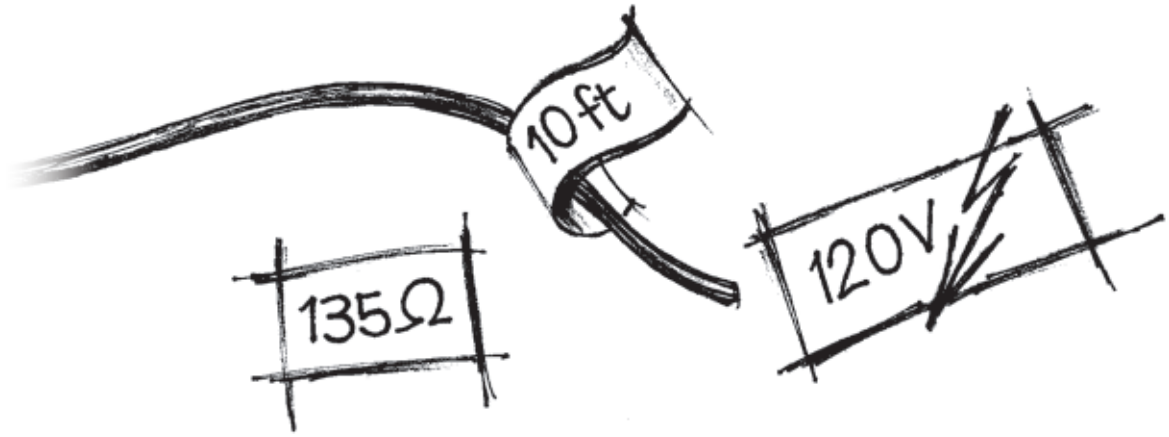
OPTIONS



5 YEAR WARRANTY

Spring Return Actuator Options

OPTIONS		AF24-S US	AF120 US	AF120-S US	AF24-MFT-S US	AF24-MFT95 US	2*AF24-S US	2*AF120 US	2*AF120-S US	2*AF24-MFT-S US	2*AF24-MFT95
120 VAC power supply			•	•				•	•		
Built-in auxiliary switch		•		•	•		•		•	•	
0-135 Ω control						•					•
Globe Valve Model #	**C_v Rating**										
G6...C 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G665C	65	$2,484.00	$2,454.00	$2,534.00	$2,634.00	$2,574.00					
G680C	90	$2,718.00	$2,688.00	$2,768.00	$2,868.00	$2,808.00					
G6100C	170						$3,756.00	$3,726.00	$3,806.00	$3,916.00	$3,358.00
G6125C	263						$5,098.00	$5,068.00	$5,148.00	$5,258.00	$4,700.00
G6150C	344						$5,484.00	$5,454.00	$5,534.00	$5,644.00	$5,106.00

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G6...CS Series Flanged Globe Valve, Non-Spring Return Actuator

2-way Pressure Compensated Valve with Stainless Steel Trim– ANSI 125 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Max Steam Inlet	100 psi (680 kPa) Rotary 50 psi (345 kPa) NV
Media Temp - Water	32°F to 350°F (0°C to 176°C)
Steam	32°F to 338°F (0°C to 170°C) Rotary 20°F to 298°F (-7°C to 148°C) NV
Maximum ΔP:	
Water	50 psi (345 kPa)
Steam	50 psi (345 kPa)

Non-Spring Return Actuators

ACTUATOR PART #	NV24-3 US	NV24-MFT US	GMB24-3X1	GMX24-MFTX1
Control type	On/Off, Floating	Proportional/MFT	On/Off, Floating	Proportional/MFT
Manual override	•	•	•	•
Running time	150 seconds	150 seconds	150 seconds	150 seconds
Noise level	<35 dB(A)	<35 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:				
3 ft, cable, ½" conduit fitting	•	•	•	•

Globe Valve Model #	C_V Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III	NV24-3 US	NV24-MFT US	GMB24-3X1	GMX24-MFTX1
G6...CS 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS								
G665CS	65	2½	ANSI 125	150	$2,964.00	$3,032.00		
G680CS	90	3	ANSI 125	150	$3,452.00	$3,520.00		
G6100CS	170	4	ANSI 125	150			$4,588.00	$4,780.00
G6125CS	263	5	ANSI 125	150			$6,358.00	$6,558.00
G6150CS	344	6	ANSI 125	150			$6,812.00	$7,008.00

MULTI-FUNCTION TECHNOLOGY

NV DESCRIPTION	P-CODES		GM DESCRIPTION	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
	V-10001	N01		P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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G6...LCS Series Flanged Globe Valve, Non-Spring Return Actuator

2-way Pressure Compensated Valve with Stainless Steel Trim– ANSI 125 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	linear
Action	stem up - open A to AB
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Max Steam Inlet	100 psi (680 kPa) Rotary 50 psi (345 kPa) NV
Media Temp - Water	32°F to 350°F (0°C to 176°C)
Steam	32°F to 338°F (0°C to 170°C) Rotary 20°F to 298°F (-7°C to 148°C) NV
Maximum ΔP:	
Water	50 psi (345 kPa)
Steam	50 psi (345 kPa)

Non-Spring Return Actuators

ACTUATOR PART #	NV24-3 US	NV24-MFT US	GMB24-3X1	GMX24-MFTX1
Control type	On/Off, Floating	Proportional/MFT	On/Off, Floating	Proportional/MFT
Manual override	•	•	•	•
Running time	150 seconds	150 seconds	150 seconds	150 seconds
Noise level	<35 dB(A)	<35 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:				
3 ft, cable, ½" conduit fitting	•	•	•	•

Globe Valve Model #	C_V Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III				
G6...LCS 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS								
G665LCS	65	2½	ANSI 125	150	$2,964.00	$3,032.00		
G680LCS	90	3	ANSI 125	150	$3,452.00	$3,520.00		
G6100LCS	170	4	ANSI 125	150			$4,588.00	$4,780.00
G6125LCS	263	5	ANSI 125	150			$6,358.00	$6,558.00
G6150LCS	344	6	ANSI 125	150			$6,812.00	$7,008.00

MULTI-FUNCTION TECHNOLOGY

P-CODES					Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	GM DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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G6...CS Series Flanged Globe Valve, Spring Return Actuator

2-way Pressure Compensated Valve with Stainless Steel Trim – ANSI 125 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Max Steam Inlet	100 psi (680 kPa) 50 psi (345 kPa) NV
Media Temp - Water	32°F to 350°F (0°C to 176°C)
Steam	32°F to 338°F (0°C to 170°C) Rotary 20°F to 298°F (-7°C to 148°C) NV
Maximum ΔP:	
Water	50 psi (345 kPa)
Steam	50 psi (345 kPa)

Spring Return Actuators

ACTUATOR PART #					**NVF24-MFT US**	**NVF24-MFT-E US**	**AF24 US**	**AF24-MFT US**	**2*AF24 US**	**2*AF24-MFT US**
					FAIL OPEN A-AB	FAIL CLOSED A-AB				
Control type					Proportional/MFT	Proportional/MFT	On/Off	Proportional/MFT	On/Off	Proportional/MFT
Manual override					•	•	•	•	•	•
Running time					30 seconds	30 seconds	150 seconds	150 seconds	150 seconds	150 seconds
					30 seconds	30 seconds	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level					<35 db(A)	<35 db(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:										
3 ft, cable, ½" conduit fitting					•	•	•	•	•	•
Globe Valve Model	**C_V Rating**	**Valve Nominal Size Inches**	**Flanged Type**	**Close-Off ANSI III**						
G6...CS 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G665CS	65	2½	ANSI 125	150	$3,122.00	$3,122.00	$3,196.00	$3,368.00		
G680CS	90	3	ANSI 125	136	$3,610.00	$3,610.00	$3,684.00	$3,854.00		
G6100CS	170	4	ANSI 125	132					$5,066.00	$5,146.00
G6125CS	263	5	ANSI 125	87					$6,734.00	$6,970.00
G6150CS	344	6	ANSI 125	50					$7,048.00	$7,190.00

MULTI-FUNCTION TECHNOLOGY

P-CODES						Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P… pre-set MFT configuration number and list price to the actuator when ordering, as needed.
V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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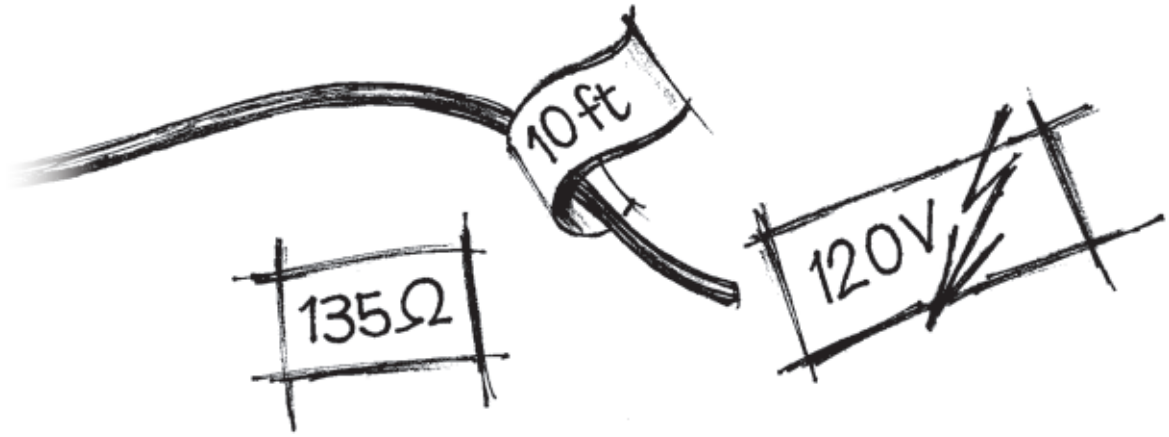
OPTIONS



Spring Return Actuator Options

OPTIONS		AF24-S US	AF120 US	AF120-S US	AF24-MFT-S US	AF24-MFT95 US	2*AF24-S US	2*AF120 US	2*AF120-S US	2*AF24-MFT-S US	2*AF24-MFT95
120 VAC power supply			•	•				•	•		
Built-in auxiliary switch		•		•	•		•		•	•	
0-135 Ω control						•					•
Globe Valve Model #	**C_v Rating**										
G6...CS 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G665CS	65	$3,282.00	$3,248.00	$3,334.00	$3,454.00	$3,394.00					
G680CS	90	$3,770.00	$3,736.00	$3,822.00	$3,940.00	$3,880.00					
G6100CS	170						$5,152.00	$5,118.00	$5,204.00	$5,232.00	$5,172.00
G6125CS	263						$6,820.00	$6,786.00	$6,872.00	$7,056.00	$6,996.00
G6150CS	344						$7,134.00	$7,100.00	$7,186.00	$7,276.00	$7,216.00

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G6...LCS Series Flanged Globe Valve, Spring Return Actuator

2-way Pressure Compensated Valve with Stainless Steel Trim – ANSI 125 Flanged

BELIMO

5 YEAR WARRANTY

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	linear
Action	stem up - open A to AB
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Max Steam Inlet	100 psi (680 kPa) Rotary 50 psi (345 kPa) NV
Media Temp - Water	32°F to 350°F (0°C to 176°C)
Steam	32°F to 338°F (0°C to 170°C) Rotary 20°F to 298°F (-7°C to 148°C) NV
Maximum ΔP:	
Water	50 psi (345 kPa)
Steam	50 psi (345 kPa)

Spring Return Actuators

FAIL OPEN A-AB | FAIL CLOSED A-AB

ACTUATOR PART #		NVF24-MFT US	NVF24-MFT-E US	AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type		Proportional/MFT	Proportional/MFT	On/Off	Proportional/MFT	On/Off	Proportional/MFT
Manual override		•	•	•	•	•	•
Running time	motor	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
	spring	30 seconds	30 seconds	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level		<35 db(A)	<35 db(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:							
3 ft, cable, ½" conduit fitting		•	•	•	•	•	•

Globe Valve Model	Cv Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III	NVF24-MFT US	NVF24-MFT-E US	AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
G6...LCS 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G665LCS	65	2½	ANSI 125	150	$3,122.00	$3,122.00				
G680LCS	90	3	ANSI 125	136	$3,610.00	$3,610.00				
G665LCS	65	2½	ANSI 125	150			$3,196.00	$3,368.00		
G680LCS	90	3	ANSI 125	150			$3,684.00	$3,854.00		
G6100LCS	170	4	ANSI 125	132					$5,066.00	$5,146.00
G6125LCS	263	5	ANSI 125	87					$6,734.00	$6,970.00
G6150LCS	344	6	ANSI 125	50					$7,048.00	$7,190.00

MULTI-FUNCTION TECHNOLOGY

NV DESCRIPTION	P-CODES		AF DESCRIPTION	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
	V-10001	N01		P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P… pre-set MFT configuration number and list price to the actuator when ordering, as needed.
V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.

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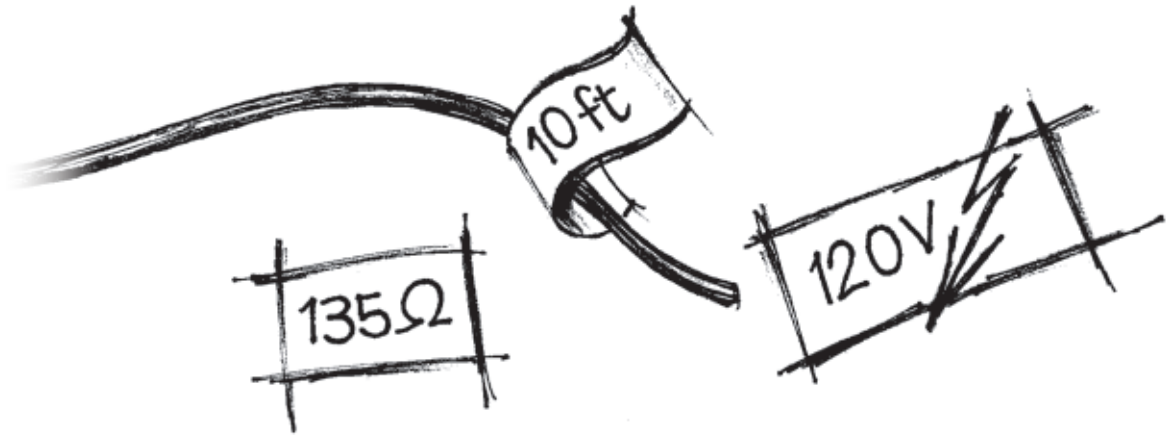
OPTIONS



5 YEAR WARRANTY

	Spring Return Actuator Options							
OPTIONS	**AF24-S US**	**AF120 US**	**AF120-S US**	**AF24-MFT-S US**	**2*AF24-S US**	**2*AF120 US**	**2*AF120-S US**	**2*AF24-MFT-S US**
120 VAC power supply		•	•			•	•	
Built-in auxiliary switch	•		•	•	•		•	•
0-135 Ω control								
Globe Valve Model # / **C_v Rating**								
G6...LCS 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G665LCS / 65	$3,282.00	$3,248.00	$3,334.00	$3,454.00				
G680LCS / 90	$3,770.00	$3,736.00	$3,822.00	$3,940.00				
G6100LCS / 170					$5,152.00	$5,118.00	$5,204.00	$5,232.00
G6125LCS / 263					$6,820.00	$6,786.00	$6,872.00	$7,056.00
G6150LCS / 344					$7,134.00	$7,100.00	$7,186.00	$7,276.00

Note: For tandem actuators – only one of the two actuators is provided with switch.
2* designates tandem.

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G6...-250 Series Flanged Globe Valve, Non-Spring Return Actuator

2-way Valve with Bronze Trim – ANSI 250 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - Open A to AB
Sizes	2½ ", 3"
Type of end fitting	250 lb flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 250
Leakage	Class III
Max Water Inlet	250 psi (1724 kPa) @ 300°F
Max Steam Inlet	35 psi (241 kPa)
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Steam	32°F to 280°F (0°C to 138°C)
Maximum ΔP:	
Water	25 psi (172 kPa)
Steam	15 psi (103 kPa)

5 YEAR WARRANTY

Non-Spring Return Actuators

ACTUATOR PART #					NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
Control type					Proportional / MFT	On/Off, Floating	Proportional	On/Off, Floating	Proportional
Manual override					•	•	•	•	•
Running time					150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level					<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:									
3 ft, cable, ½" conduit fitting					•	•	•	•	•
Globe Valve Model #	**C_V Rating**	**Valve Nominal Size Inches**	**Flanged Type**	**Close-Off ANSI III**					
G6...-250 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G665-250	65	2½	ANSI 250	62	$2,156.00				
G680-250	90	3	ANSI 250	42	$2,484.00				
G665-250	115	2½	ANSI 250	116		$2,376.00	$2,624.00		
G680-250	140	3	ANSI 250	79		$2,696.00	$2,942.00		
G665-250	65	2½	ANSI 250	179				$2,860.00	$3,354.00
G680-250	90	3	ANSI 250	123				$3,184.00	$3,674.00

MULTI-FUNCTION TECHNOLOGY

P-CODES					Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION			GM DESCRIPTION					
	V-10001	N01	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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G6...-250 Series Flanged Globe Valve, Spring Return Actuator

2-way Valve with Bronze Trim – ANSI 250 Flanged

BELIMO

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - Open A to AB
Sizes	2½ ", 3"
Type of end fitting	250 lb flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 250
Leakage	Class III
Max Water Inlet	250 psi (1724 kPa) @ 300°F
Max Steam Inlet	35 psi (241 kPa)
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Steam	32°F to 280°F (0°C to 138°C)
Maximum ΔP:	
Water	25 psi (172 kPa)
Steam	15 psi (103 kPa)

5 YEAR WARRANTY

Spring Return Actuators

ACTUATOR PART #		AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type		On/Off	Proportional / MFT	On/Off	Proportional / MFT
Manual override		•	•	•	•
Running time	motor	150 seconds	150 seconds	150 seconds	150 seconds
	spring	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level		<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft, cable, ½" conduit fitting		•	•	•	•

Globe Valve Model #	C_V Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III	AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
G6...-250 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G665-250	65	2½	ANSI 250	36	$2,364.00	$2,558.00		
G680-250	90	3	ANSI 250	24	$2,712.00	$2,882.00		
G665-250	65	2½	ANSI 250	59			$2,854.00	$3,196.00
G680-250	90	3	ANSI 250	40			$3,196.00	$3,516.00

Note: For fail safe operation where AF actuator is not available or close-off is too low, use GM actuator with NSV battery backup.

MULTI-FUNCTION TECHNOLOGY

AF DESCRIPTION	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P… pre-set MFT configuration number and list price to the actuator when ordering, as needed.
Most popular configurations available at no additional cost.
2* designates tandem.

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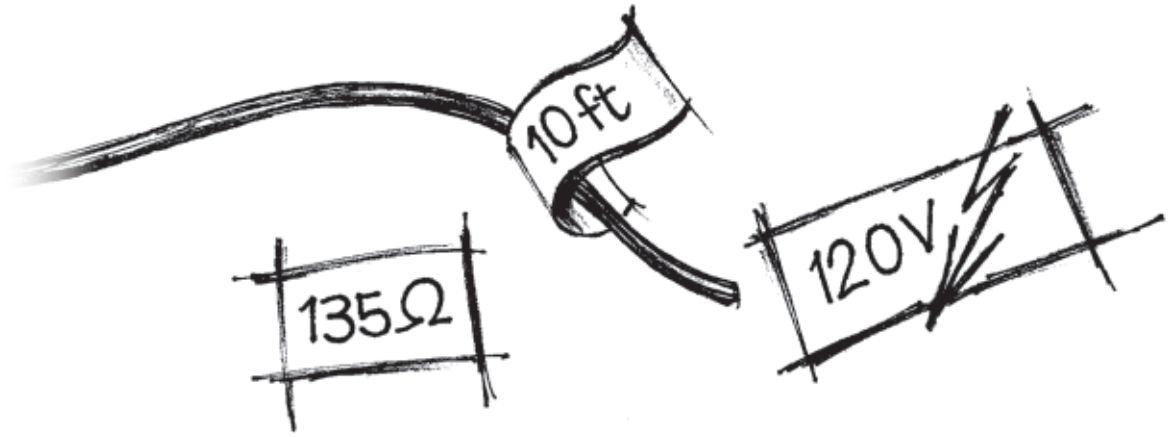
OPTIONS



	Spring Return Actuator Options								
OPTIONS	**AF24-S US**	**AF120-S US**	**AF24-MFT-S US**	**AF24-MFT95 US**	**2*AF24-S US**	**2*AF120 US**	**2*AF120-S US**	**2*AF24-MFT-S US**	**2*AF24-MFT95**
120 VAC power supply		•				•	•		
Built-in auxiliary switch	•	•	•		•		•	•	
0-135 Ω control				•					•
Globe Valve Model # / **C_v Rating**									
G6…-250 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS									
G665-250 / 65	$2,450.00	$2,504.00	$2,644.00	$2,578.00	$2,908.00	$2,878.00	$3,048.00	$3,282.00	$3,222.00
G680-250 / 90	$2,798.00	$2,854.00	$2,972.00	$2,906.00	$3,282.00	$3,252.00	$3,390.00	$3,536.00	$3,476.00

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G6...S-250 Series Flanged Globe Valve, Non-Spring Return Actuator

2-way Valve with Stainless Steel Trim – ANSI 250 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½ ", 3"
Type of end fitting	250 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 250
Leakage	Class III
Max Water Inlet	250 psi (1724 kPa) @ 350°F
Max Steam Inlet	100 psi (680 kPa) Rotary 50 psi (345 kPa) NV
Media Temp - Water	32°F to 350°F (0°C to 176°C)
Steam	32°F to 338°F (0°C to 170°C) Rotary 20°F to 298°F (-7°C to 148°C) NV
Maximum ΔP:	
Water	50 psi (345 kPa)
Steam	50 psi (345 kPa)

Non-Spring Return Actuators

ACTUATOR PART #	NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
Control type	Proportional / MFT	On/Off, Floating	Proportional / MFT	On/Off, Floating	Proportional / MFT
Manual override	•	•	•	•	•
Running time	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level	<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft, cable, ½" conduit fitting	•	•	•	•	•

Globe Valve Model #	C_V Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III					
G6...S-250 2-WAY GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G665S-250	65	2½	ANSI 250	62	$2,498.00				
G680S-250	90	3	ANSI 250	42	$3,048.00				
G665S-250	65	2½	ANSI 250	116		$2,664.00	$2,912.00		
G680S-250	90	3	ANSI 250	79		$3,196.00	$3,454.00		
G665S-250	65	2½	ANSI 250	179				$3,176.00	$3,670.00
G680S-250	90	3	ANSI 250	123				$3,722.00	$4,218.00

MULTI-FUNCTION TECHNOLOGY

P-CODES					Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION			GM DESCRIPTION					
	V-10001	N01	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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G6...S-250 Series Flanged Globe Valve, Spring Return Actuator

2-way Valve with Stainless Steel Trim – ANSI 250 Flanged

Valve Specifications

Service	chilled or hot water, 60% glycol, steam
Flow characteristic	equal percentage
Action	stem up - open A to AB
Sizes	2½ ", 3"
Type of end fitting	250 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 250
Leakage	Class III
Max Water Inlet	250 psi (1724 kPa) @ 350°F
Max Steam Inlet	100 psi (680 kPa)
Media Temp - Water	32°F to 350°F (0°C to 176°C)
Media Temp - Steam	32°F to 338°F (0°C to 170°C)
Maximum ΔP:	
Water	50 psi (345 kPa)
Steam	50 psi (345 kPa)

Spring Return Actuators

ACTUATOR PART #		AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type		On/Off	Proportional / MFT	On/Off	Proportional / MFT
Manual override		•	•	•	•
Running time	motor	150 seconds	150 seconds	150 seconds	150 seconds
	spring	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level		<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft, cable, ½" conduit fitting		•	•	•	•

Globe Valve Model #	Cv Rating	Valve Nominal Size IN	Flanged Type	Close-Off ANSI III	AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
G6...S-250 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G665S-250	65	2½	ANSI 250	36	$2,730.00	$2,934.00		
G680S-250	90	3	ANSI 250	24	$3,254.00	$3,312.00		
G665S-250	65	2½	ANSI 250	59			$3,280.00	$3,674.00
G680S-250	90	3	ANSI 250	40			$3,674.00	$4,074.00

Note: For fail safe operation where AF actuator is not available or close-off is too low, use GM actuator with NSV battery backup.

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P… pre-set MFT configuration number and list price to the actuator when ordering, as needed.
Most popular configurations available at no additional cost.
2* designates tandem.

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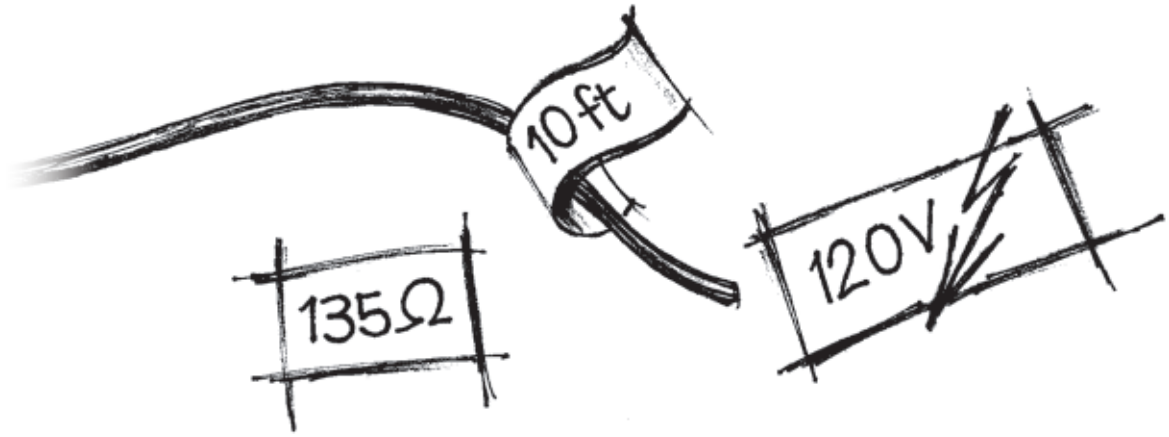
OPTIONS



5 YEAR WARRANTY

	Spring Return Actuator Options								
OPTIONS	**AF24-S US**	**AF120 US**	**AF120-S US**	**AF24-MFT-S US**	**AF24-MFT95 US**	**2*AF24-S US**	**2*AF120 US**	**2*AF120-S US**	**2*AF24-MFT-S US**
120 VAC power supply		•	•				•	•	
Built-in auxiliary switch	•		•	•		•		•	•
0-135 Ω control					•				
Globe Valve Model # / **C_v Rating**									
G6...S-250 2-WAY GLOBE VALVE WITH SPRING RETURN ACTUATORS									
G665S-250 / 65	$2,818.00	$2,784.00	$2,870.00	$3,020.00	$2,958.00	$3,368.00	$3,386.00	$3,472.00	$3,760.00
G680S-250 / 90	$3,340.00	$3,308.00	$3,286.00	$3,398.00	$3,332.00	$3,760.00	$3,780.00	$3,866.00	$4,160.00

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Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	mixing: stem up - open B to AB diverting: stem up - open AB to B
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb. flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa)
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Maximum ΔP:	
Water	25 psi (172 kPa)
Rangeability	50:1

5 YEAR WARRANTY

Non-Spring Return Actuators

ACTUATOR PART #	NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
Control type	Proportional/MFT	On/Off, Floating Point	Proportional	On/Off, Floating Point	Proportional
Manual override	•	•	•	•	•
Running time	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level	<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft cable, ½" conduit fitting	•	•	•	•	•

Globe Valve Model #	C_v Rating	Valve Nominal Size Inches	Flanged Type	Close-off ANSI III	NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
G7...3-WAY MIXING FLANGED GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G765	68	2½	ANSI 125	61	$1,822.00				
G780	85	3	ANSI 125	41	$2,022.00				
G765	68	2½	ANSI 125	114		$2,004.00	$2,248.00		
G780	85	3	ANSI 125	78		$2,190.00	$2,446.00		
G7100	190	4	ANSI 125	19		$2,644.00	$2,878.00		
G765	68	2½	ANSI 125	150				$2,512.00	$2,932.00
G780	85	3	ANSI 125	122				$2,704.00	$3,124.00
G7100	190	4	ANSI 125	32				$3,162.00	$3,582.00
G7125	280	5	ANSI 125	19				$4,772.00	$5,158.00
G7150	340	6	ANSI 125	13				$5,370.00	$5,738.00
G7...D 3-WAY DIVERTING FLANGED GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G765D	68	2½	ANSI 125	100	$3,784.00				
G780D	85	3	ANSI 125	100	$4,326.00				
G7100D	154	4	ANSI 125	100	$5,004.00				
G765D	68	2½	ANSI 125	100		$4,114.00	$4,296.00		
G780D	85	3	ANSI 125	100		$4,610.00	$4,824.00		
G7100D	154	4	ANSI 125	100		$5,320.00	$5,534.00		
G7125D	195	5	ANSI 125	100		$6,884.00	$7,102.00		
G7150D	248	6	ANSI 125	100		$9,024.00	$9,258.00		

MULTI-FUNCTION TECHNOLOGY

P-CODES					Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	GM DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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G7...(D) Series Flanged Globe Valve, Spring Return Actuator

3-way Valve with Bronze Trim - ANSI 125 Flanged, Mixing and Diverting

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	mixing: stem up - open B to AB diverting: stem up - open AB to B
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb. flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa)
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Maximum ΔP: Water	25 psi (172 kPa)
Rangeability	50:1

Spring Return Actuators

ACTUATOR PART #			AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type			On/Off	Proportional/MFT	On/Off	Proportional/MFT
Manual override			•	•	•	•
Running time		motor	150 seconds	150 seconds	150 seconds	150 seconds
		spring	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level			<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:						
3 ft cable, ½" conduit fitting			•	•	•	•
Globe Valve Model #	**C_v Rating**	**Valve Nominal Size Inches** / **Flanged Type** / **Close-off ANSI III**				
G7... 3-WAY MIXING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS						
G765	68	2½ / ANSI 125 / 35	$2,004.00	$2,162.00		
G780	85	3 / ANSI 125 / 23	$2,190.00	$2,356.00		
G765	68	2½ / ANSI 125 / 58			$2,534.00	$2,842.00
G780	85	3 / ANSI 125 / 39			$2,722.00	$3,054.00
G7...D 3-WAY DIVERTING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS						
G765D	68	2½ / ANSI 125 / 100	$4,078.00	$4,256.00		
G780D	85	3 / ANSI 125 / 100	$4,594.00	$4,760.00		
G7100D	154	4 / ANSI 125 / 100	$5,300.00	$5,480.00		
G7125D	195	5 / ANSI 125 / 100			$7,330.00	$7,684.00
G7150D	248	6 / ANSI 125 / 100			$9,472.00	$9,864.00

For fail safe operation where AF actuator is not available or Close-off is too low, use GM actuator with NSV battery backup.
2* designates tandem.

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P... pre-set MFT configuration number and list price to the actuator when ordering, as needed.
All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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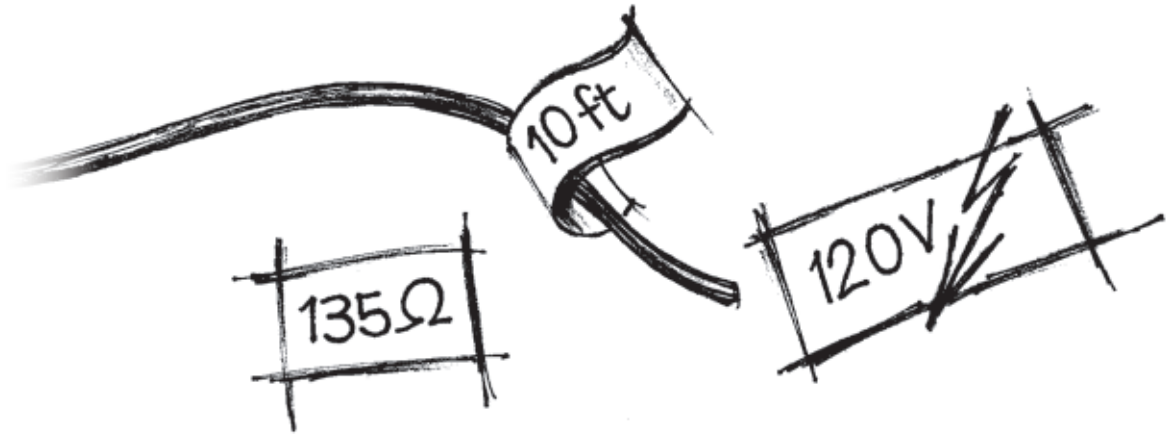
OPTIONS



5 YEAR WARRANTY

Spring Return Actuator Options

OPTIONS		AF24-S US	AF120 US	AF120-S US	AF24-MFT-S US	AF24-MFT95 US	2*AF24-S US	2*AF120 US	2*AF120-S US	2*AF24-MFT-S US
120 VAC power supply			•	•				•	•	
Built-in auxiliary switch		•		•	•		•		•	•
0-135 Ω control						•				
Globe Valve Model #	**C_v Rating**									
G7...3-WAY MIXING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G765	68	$2,088.00	$2,056.00	$2,144.00	$2,250.00	$2,184.00	$2,620.00	$2,642.00	$2,726.00	$2,926.00
G780	85	$2,278.00	$2,246.00	$2,332.00	$2,442.00	$2,376.00	$2,808.00	$2,832.00	$2,918.00	$3,138.00
G765	68	$2,088.00	$2,056.00	$2,144.00	$2,250.00	$2,184.00	$2,620.00	$2,642.00	$2,726.00	$2,926.00
G780	85	$2,278.00	$2,246.00	$2,332.00	$2,442.00	$2,376.00	$2,808.00	$2,832.00	$2,918.00	$3,138.00
G7...D 3-WAY DIVERTING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G765D	68	$4,164.00	$4,134.00	$4,220.00	$4,346.00	$4,280.00				
G780D	85	$4,682.00	$4,650.00	$4,736.00	$4,848.00	$4,782.00				
G7100D	154	$5,386.00	$5,352.00	$5,440.00	$5,568.00	$5,504.00				
G7125D	195						$7,416.00	$7,440.00	$7,526.00	$7,770.00
G7150D	248						$10,748.00	$9,580.00	$9,664.00	$9,950.00

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G7...S(DS) Series Flanged Globe Valves, Non-Spring Return Actuator

3-way Valve with Stainless Steel Trim - ANSI 125 Flanged, Mixing and Diverting

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	mixing: stem up - open B to AB diverting: stem up - open AB to B
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb. flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Maximum ΔP:	
Water	50 psi (340 kPa)
Rangeability	50:1

Non-Spring Return Actuators

ACTUATOR PART #					NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
Control type					Proportional/MFT	On/Off, Floating Point	Proportional/MFT	On/Off, Floating Point	Proportional/MFT
Manual override					•	•	•	•	•
Running time					150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level					<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:									
3 ft cable, ½" conduit fitting					•	•	•	•	•
Covered terminal switch									
Globe Valve Model #	**C_v Rating**	**Valve Nominal Size Inches**	**Flanged Type**	**Close-off ANSI III**					
G7...S 3-WAY MIXING FLANGED GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G765S	68	2½	ANSI 125	61	$2,800.00				
G780S	85	3	ANSI 125	41	$3,108.00				
G765S	68	2½	ANSI 125	114		$2,658.00	$2,888.00		
G780S	85	3	ANSI 125	78		$3,146.00	$3,396.00		
G7100S	190	4	ANSI 125	19		$3,770.00	$4,018.00		
G765S	68	2½	ANSI 125	150				$3,146.00	$3,644.00
G780S	85	3	ANSI 125	122				$3,650.00	$4,146.00
G7100S	190	4	ANSI 125	32				$4,290.00	$4,786.00
G7125S	280	5	ANSI 125	19				$6,430.00	$6,942.00
G7150S	340	6	ANSI 125	13				$7,920.00	$8,380.00
G7...DS 3-WAY DIVERTING FLANGED GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G765DS	68	2½	ANSI 125	100	$5,730.00				
G780DS	85	3	ANSI 125	100	$6,554.00				
G7100DS	154	4	ANSI 125	100	$7660.00				
G765DS	68	2½	ANSI 125	100		$5,910.00	$6,168.00		
G780DS	85	3	ANSI 125	100		$6,746.00	$6,992.00		
G7100DS	154	4	ANSI 125	100		$7,840.00	$8,096.00		
G7125DS	195	5	ANSI 125	100		$10,964.00	$11,226.00		
G7150DS	248	6	ANSI 125	100		$12,854.00	$13,100.00		

MULTI-FUNCTION TECHNOLOGY

P-CODES					Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	GM DESCRIPTION	P-10001	A01	2-10 VDC	150 seconds	2-10 VDC	No Charge
	V-10002		P-10002	A02	0-10 VDC	150 seconds	0-10 VDC	No Charge
	V-10028		P-10028	A28	0-10 VDC	100 seconds	0-10 VDC	No Charge
	V-10063		P-10063	A63	0.5-4.5 VDC	150 seconds	0.5-4.5 VDC	No Charge
	V-10064		P-10064	A64	5.5-10 VDC	150 seconds	5.5-10 VDC	No Charge
	V-20002		P-20002	W02	0.02-5.00 seconds PWM	150 seconds	2-10 VDC	No Charge
	V-20003		P-20003	W03	0.10-25.5 seconds PWM	150 seconds	2-10 VDC	No Charge
	V-30001		P-30001	F01	Floating Point	150 seconds	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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G7...S(DS) Series Flanged Globe Valve, Spring Return Actuator

3-way Valve with Stainless Steel Trim – ANSI 125 Flanged, Mixing and Diverting

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	mixing: stem up - open B to AB diverting: stem up - open AB to B
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	125 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 125
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Maximum ΔP: Water	50 psi (340 kPa)

Spring Return Actuators

ACTUATOR PART #		AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type		On/Off	Proportional/MFT	On/Off	Proportional/MFT
Manual override		•	•	•	•
Running time	motor	150 seconds	150 seconds	150 seconds	150 seconds
	spring	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level		<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft, cable, ½" conduit fitting		•	•	•	•

Globe Valve Model #	Cv Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III	AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
G7...S 3-WAY MIXING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G765S	68	2½"	ANSI 125	35	$2,674.00	$2,872.00		
G780S	85	3"	ANSI 125	23	$3,156.00	$3,368.00		
G765S	68	2½"	ANSI 125	58			$3,172.00	$3,570.00
G780S	85	3"	ANSI 125	39			$3,674.00	$4,074.00
G7...DS 3-WAY DIVERTING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G765DS	68	2½	ANSI 125	100	$5,934.00	$6,132.00		
G780DS	85	3	ANSI 125	100	$6,756.00	$6,958.00		
G7100DS	154	4	ANSI 125	100	$7,858.00	$8,062.00		
G7125DS	195	5	ANSI 125	100			$11,498.00	$11,894.00
G7150DS	248	6	ANSI 125	100			$13,358.00	$13,756.00

Note: For fail safe operation where AF actuator is not available or close-off is too low, use GM actuator with NSV battery backup.

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 sec. PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 sec. PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P... pre-set MFT configuration number and list price to the actuator when ordering, as needed.
Note: Most popular configurations available at no additional cost.
2* designates tandem.

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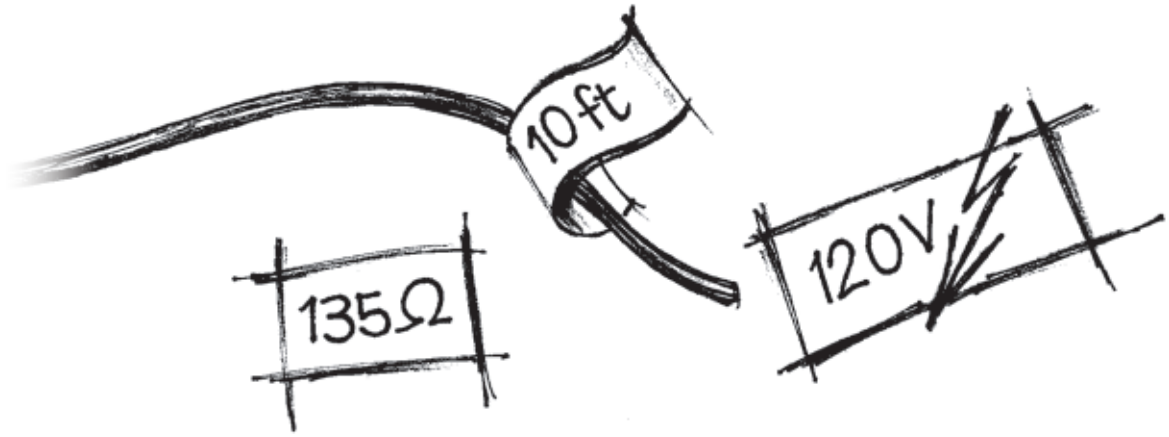
OPTIONS



5 YEAR WARRANTY

Spring Return Actuator Options

OPTIONS		AF24-S US	AF120 US	AF120-S US	AF24-MFT-S US	AF24-MFT95 US	2*AF24-S US	2*AF120 US	2*AF120-S US	2*AF24-MFT-S US
120 VAC power supply			•	•				•	•	
Built-in auxiliary switch		•		•	•		•		•	•
0-135 Ω control						•				
Globe Valve Model #	**C_v Rating**									
G7...S 3-WAY MIXING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G765S	68	$2,762.00	$2,726.00	$2,812.00	$2,960.00	$2,896.00	$3,258.00	$3,280.00	$3,368.00	$3,658.00
G780S	85	$3,242.00	$3,210.00	$3,296.00	$3,452.00	$3,388.00	$3,762.00	$3,784.00	$3,870.00	$4,160.00
G7...DS 3-WAY DIVERTING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS										
G765DS	68	$6,020.00	$5,986.00	$6,074.00	$6,220.00	$6,154.00				
G780DS	85	$6,842.00	$6,810.00	$6,896.00	$7,044.00	$6,762.00				
G7100DS	154	$7,914.00	$7,914.00	$8,000.00	$8,148.00	$8,084.00				
G7125DS	195						$11,584.00	$11,604.00	$11,684.00	$11,982.00
G7150DS	248						$13,442.00	$13,466.00	$13,550.00	$13,842.00

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G7...-250 Series Flanged Globe Valve, Non-Spring Return Actuator

3-way Valve with Bronze Trim – ANSI 250 Flanged, Mixing

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	mixing: stem up - open B to AB
Sizes	2½ ", 3", 4", 5", 6"
Type of end fitting	250 lb flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 250
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°F
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	25 psi (172 kPa)

5 YEAR WARRANTY

Non-Spring Return Actuators

ACTUATOR PART #	NVG24-MFT US	GMX24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
Control type	Proportional / MFT	On/Off, Floating	Proportional	On/Off, Floating	Proportional
Manual override	•	•	•	•	•
Running time	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level	<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft, cable, ½" conduit fitting	•	•	•	•	•

Globe Valve Model #	C_V Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III	NVG24-MFT US	GMX24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
G7…-250 3-WAY MIXING FLANGED GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G765-250	68	2½	ANSI 250	61	$2,534.00				
G780-250	85	3	ANSI 250	41	$2,920.00				
G765-250	68	2½	ANSI 250	114		$2,766.00	$2,978.00		
G780-250	85	3	ANSI 250	78		$3,162.00	$3,378.00		
G7100-250	190	4	ANSI 250	19		$4,490.00	$4,714.00		
G765-250	68	2½	ANSI 250	178				$3,700.00	$3,248.00
G780-250	85	3	ANSI 250	122				$3,766.00	$4,086.00
G7100-250	190	4	ANSI 250	32				$4,976.00	$5,422.00
G7125-250	280	5	ANSI 250	19				$7,520.00	$7,970.00
G7150-250	340	6	ANSI 250	13				$8,736.00	$9,182.00

MULTI-FUNCTION TECHNOLOGY

	P-CODES					Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	GM DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV…Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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G7...-250 Series Flanged Globe Valve, Spring Return Actuator

3-way Valve with Bronze Trim – ANSI 250 Flanged, Mixing

BELIMO

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	mixing: stem up - open B to AB
Sizes	2½ ", 3", 4", 5", 6"
Type of end fitting	250 lb flanged
Materials:	
Body	iron
Seat	bronze
Stem	stainless steel
Plug	bronze
Packing	NLP
ANSI Class	ANSI 250
Leakage	Class III
Max Water Inlet	150 psi (1034 kPa) @ 250°
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Ambient Temp	32°F to 122°F (0°C to 50°C)
Maximum ΔP:	
Water	25 psi (172 kPa)

5 YEAR WARRANTY

Spring Return Actuators

ACTUATOR PART #		AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type		On/Off	Proportional / MFT	On/Off	Proportional / MFT
Manual override		•	•	•	•
Running time	motor	150 seconds	150 seconds	150 seconds	150 seconds
	spring	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level		<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
3 ft, cable, ½" conduit fitting		•	•	•	•

Globe Valve Model #	C_V Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III	AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
G7...-250 3-WAY MIXING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G765-250	68	2½	ANSI 250	35	$2,652.00	$2,850.00		
G780-250	85	3	ANSI 250	23	$3,056.00	$3,342.00		
G765-250	68	2½	ANSI 250	58			$3,184.00	$3,566.00
G780-250	85	3	ANSI 250	39			$3,674.00	$4,074.00

Note: For fail safe operation where AF actuator is not available or close-off is too low, use GM actuator with NSV battery backup.

MULTI-FUNCTION TECHNOLOGY

AF DESCRIPTION P-CODES		Control Input	Running Time	Built-in Feedback	List Price
P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
P-30001	F01	Floating Point	150	2-10 VDC	No Charge
P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P… pre-set MFT configuration number and list price to the actuator when ordering, as needed.
Most popular configurations available at no additional cost.
2* designates tandem.

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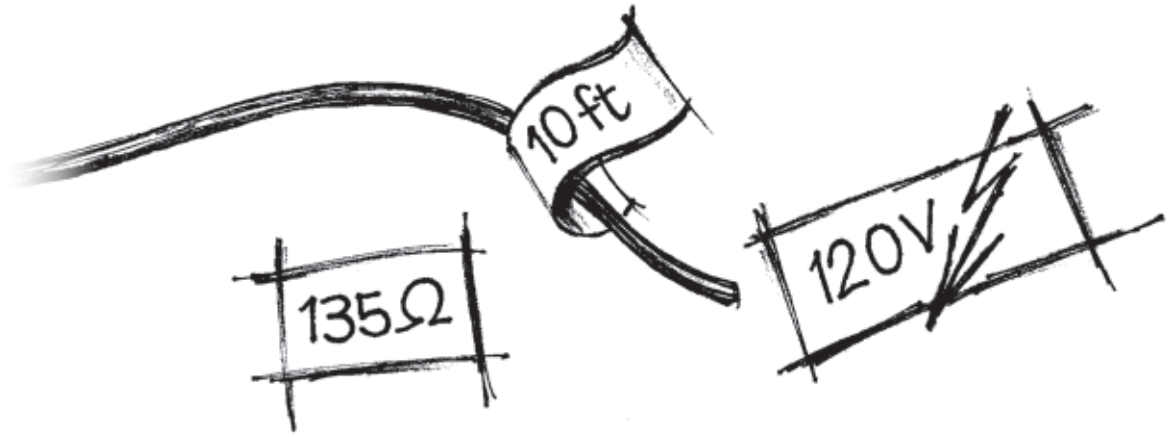
OPTIONS



5 YEAR WARRANTY

Spring Return Actuator Options

OPTIONS		AF24-S US	AF120 US	AF120-S US	AF24-MFT-S US	AF24-MFT95 US	2*AF24-S US	2*AF120 US	2*AF120-S US	2*AF24-MFT-S US	2*AF24-MFT95
120 VAC power supply			•	•				•	•		
Built-in auxiliary switch		•		•	•		•		•	•	
0-135 Ω control						•					•
Globe Valve Model #	**C_v Rating**										
G7...-250 3-WAY MIXING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G765-250	68	$2,818.00	$2,784.00	$2,870.00	$2,936.00	$2,870.00	$3,368.00	$3,386.00	$3,472.00	$3,760.00	$3,586.00
G780-250	85	$3,234.00	$3,200.00	$3,286.00	$3,428.00	$3,362.00	$3,760.00	$3,780.00	$3,870.00	$4,160.00	$4,094.00

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G7...S-250 Series Flanged Globe Valve, Non-Spring Return Actuator

3-way Valve with Stainless Steel Trim – ANSI 250 Flanged, Mixing and Diverting

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	mixing: stem up - open B to AB diverting: stem up - open AB to B
Sizes	2½ ", 3", 4", 5", 6"
Type of end fitting	250 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 250
Leakage	Class III
Max Water Inlet	250 psi (1734 kPa) @ 350°F
Media Temp - Water	32°F to 300°F (0°C to 148°C)
Maximum ΔP:	
Water	50 psi (340 kPa)

Non-Spring Return Actuators

ACTUATOR PART #	NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
Control type	Proportional / MFT	On/Off, Floating	Proportional / MFT	On/Off, Floating	Proportional / MFT
Manual override	•	•	•	•	•
Running time	150 seconds	150 seconds	150 seconds	150 seconds	150 seconds
Noise level	<35 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:					
3 ft, cable, ½" conduit fitting	•	•	•	•	•
Covered terminal strip	•				

Globe Valve Model #	C_V Rating	Valve Nominal Size Inches	Flanged Type	Close-Off ANSI III	NVG24-MFT US	GMB24-3X1	GMX24-MFTX1	2*GMB24-3X1	2*GMX24-MFTX1
G7...S-250 3-WAY MIXING FLANGED GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G765S-250	68	2½	ANSI 250	61	$2,714.00				
G780S-250	85	3	ANSI 250	41	$3,164.00				
G765S-250	68	2½	ANSI 250	114		$2,920.00	$3,170.00		
G780S-250	85	3	ANSI 250	78		$3,372.00	$3,618.00		
G7100S-250	190	4	ANSI 250	19		$5,254.00	$5,512.00		
G765S-250	68	2½	ANSI 250	178				$3,404.00	$3,902.00
G780S-250	85	3	ANSI 250	122				$3,854.00	$4,342.00
G7100S-250	190	4	ANSI 250	32				$5,750.00	$6,246.00
G7125S-250	280	5	ANSI 250	19				$8,510.00	$9,014.00
G7150S-250	340	6	ANSI 250	13				$8,864.00	$9,360.00
G7...DS-250 3-WAY DIVERTING FLANGED GLOBE VALVE WITH NON-SPRING RETURN ACTUATORS									
G765DS-250	68	2½	ANSI 250	100	$6,794.00				
G780DS-250	85	3	ANSI 250	100	$7,794.00				
G7100DS-250	154	4	ANSI 250	100	$9,102.00				
G765DS-250	68	2½	ANSI 250	100		$6,986.00	$7,234.00		
G780DS-250	85	3	ANSI 250	100		$7,986.00	$8,206.00		
G7100DS-250	154	4	ANSI 250	100		$9,314.00	$9,552.00		
G7125DS-250	195	5	ANSI 250	100		$13,316.00	$12,480.00		
G7150DS-250	248	6	ANSI 250	100		$16,028.00	$16,278.00		

MULTI-FUNCTION TECHNOLOGY

P-CODES						Control Input	Running Time	Built-in Feedback	List Price
NV DESCRIPTION	V-10001	N01	GM DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	V-10002	N02		P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	V-10028	N1E		P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	V-10063	N1K		P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	V-10064	N1L		P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	V-20002	N1U		P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	V-20003	N1V		P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	V-30001	N24		P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	V-40002	N29		P-40002	J02	On/Off	150	2-10 VDC	No Charge

Note: V-codes used for NV...Series actuator. All other MFT actuators use P-codes. Most popular configurations available at no additional cost.
2* designates tandem.

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G7...S(DS) -250 Series Flanged Globe Valve, Spring Return Actuator

3-way Valve with Stainless Steel Trim – ANSI 250 Flanged, Mixing and Diverting

BELIMO

Valve Specifications

Service	chilled or hot water, 60% glycol
Flow characteristic	linear
Action	mixing: stem up - open B to AB diverting: stem up - open AB to B
Sizes	2½", 3", 4", 5", 6"
Type of end fitting	250 lb flanged
Materials:	
Body	iron
Seat	stainless steel
Stem	stainless steel
Plug	stainless steel
Packing	TFE V-ring
ANSI Class	ANSI 250
Leakage	Class III
Max Water Inlet	250 psi (1724 kPa) @ 350°F
Media Temp - Water	32°F to 350°F (0°C to 176°C)
Maximum ΔP: Water	50 psi (340 kPa)

5 YEAR WARRANTY

Spring Return Actuators

ACTUATOR PART #					AF24 US	AF24-MFT US	2*AF24 US	2*AF24-MFT US
Control type					On/Off	Proportional / MFT	On/Off	Proportional / MFT
Manual override					•	•	•	•
Running time				motor	150 seconds	150 seconds	150 seconds	150 seconds
				spring	<20 seconds	<20 seconds	<20 seconds	<20 seconds
Noise level					<45 dB(A)	<45 dB(A)	<45 dB(A)	<45 dB(A)
ELECTRICAL CONNECTION:								
3 ft, cable, ½" conduit fitting					•	•	•	•
Globe Valve Model #	**Cv Rating**	**Valve Nominal Size Inches**	**Flanged Type**	**Close-Off ANSI III**				
G7...S-250 3-WAY MIXING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G765S-250	68	2½	ANSI 250	35	$2,922.00	$3,124.00		
G780S-250	85	3	ANSI 250	23	$3,374.00	$3,574.00		
G765S-250	68	2½	ANSI 250	58			$3,428.00	$3,824.00
G780S-250	85	3	ANSI 250	39			$3,876.00	$4,276.00
G7...DS-250 3-WAY DIVERTING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS								
G765DS-250	68	2½	ANSI 250	100	$6,994.00	$7,196.00		
G780DS-250	85	3	ANSI 250	100	$8,002.00	$8,188.00		
G7100DS-250	154	4	ANSI 250	100	$9,314.00	$9,522.00		
G7125DS-250	195	5	ANSI 250	100			$12,744.00	$13,146.00
G7150DS-250	248	6	ANSI 250	100			$16,536.00	$16,934.00

For fail safe operation where AF actuator is not available or close-off is too low, use pressure compensated globe valves.

MULTI-FUNCTION TECHNOLOGY

	P-CODES		Control Input	Running Time	Built-in Feedback	List Price
AF DESCRIPTION	P-10001	A01	2-10 VDC	150	2-10 VDC	No Charge
	P-10002	A02	0-10 VDC	150	0-10 VDC	No Charge
	P-10028	A28	0-10 VDC	100	0-10 VDC	No Charge
	P-10063	A63	0.5-4.5 VDC	150	0.5-4.5 VDC	No Charge
	P-10064	A64	5.5-10 VDC	150	5.5-10 VDC	No Charge
	P-20002	W02	0.02-5.00 seconds PWM	150	2-10 VDC	No Charge
	P-20003	W03	0.10-25.5 seconds PWM	150	2-10 VDC	No Charge
	P-30001	F01	Floating Point	150	2-10 VDC	No Charge
	P-40002	J02	On/Off	150	2-10 VDC	No Charge

Example: AF24-MFT US is the basic model. Add the P… pre-set MFT configuration number and list price to the actuator when ordering, as needed.
Most popular configurations available at no additional cost.
2* designates tandem.

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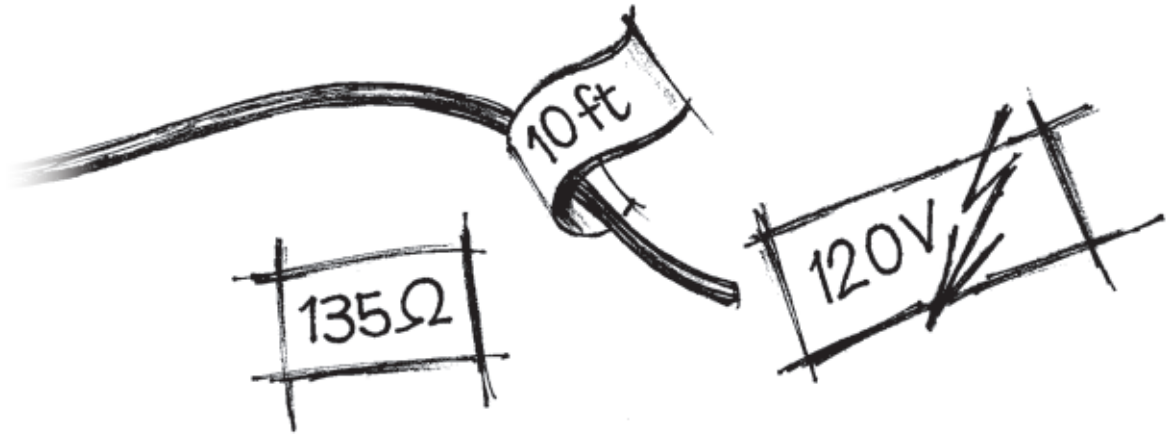
OPTIONS



		Spring Return Actuator Options									
OPTIONS		**AF24-S US**	**AF120 US**	**AF120-S US**	**AF24-MFT-S US**	**AF24-MFT95 US**	**2*AF24-S US**	**2*AF120 US**	**2*AF120-S US**	**2*AF24-MFT-S US**	**2*AF24-MFT95**
120 VAC power supply			•	•				•	•		
Built-in auxiliary switch		•		•	•		•		•	•	
0-135 Ω control						•					•
Globe Valve Model #	**C_v Rating**										
G7...S-250 3-WAY MIXING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G765S-250	68	$3,008.00	$2,978.00	$3,064.00	$3,210.00	$3,144.00	$3,516.00	$3,536.00	$3,624.00	$3,912.00	$2,992.00
G780S-250	85	$3,458.00	$3,426.00	$3,514.00	$3,660.00	$3,596.00	$3,962.00	$3,986.00	$4,072.00	$4,362.00	$3,420.00
G765S-250	68	$3,008.00	$2,978.00	$3,064.00	$3,210.00	$3,144.00	$3,516.00	$3,536.00	$3,624.00	$3,912.00	$2,992.00
G780S-250	85	$3,458.00	$3,426.00	$3,514.00	$3,660.00	$3,596.00	$3,962.00	$3,986.00	$4,072.00	$4,362.00	$3,420.00
G7...DS 3-WAY DIVERTING FLANGED GLOBE VALVE WITH SPRING RETURN ACTUATORS											
G765DS-250	68	$7,084.00	$7,050.00	$7,134.00	$7,284.00	$7,220.00					
G780DS-250	85	$8,088.00	$8,056.00	$8,142.00	$8,274.00	$8,210.00					
G7100DS-250	154	$9,400.00	$9,368.00	$9,454.00	$9,610.00	$9,544.00					
G7250DS-250	195						$12,830.00	$12,854.00	$12,940.00	$13,230.00	$6,870.00
G7150DS-250	248						$16,624.00	$16,644.00	$16,730.00	$17,018.00	$7,812.00

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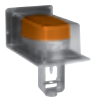
Valve Accessories

Globe Valves

		Non-Spring Return					Spring Return				
WEATHERSHIELDS		**NV**	**LM**	**NM**	**AM**	**GM**	**NVF**	**LF**	**NF**	**AF**	**List Price**
	**ZS-NV-10**	•					•				$190.00
	ZS-SPGV-60 LF series on G2/G3 Globe Valve							•			$234.00
	ZS-SPGV-70 LM series on G2/G3 Globe Valve		•								$234.00
	ZS-SPGV-80 NM series on G2/G3 Globe Valve			•							$234.00
	ZS-SPGV-30 AM series on G2/G3 Globe Valve				•						$244.00
	ZS-SPGV-10 Dual AF series on Flanged Globe Valve									•	$262.00
	ZS-SPGV-20 Single AF series on Flanged Globe Valve								•	•	$262.00
	ZS-SPGV-40 Single GM series on Flanged Globe Valve					•					$262.00
	ZS-SPGV-50 Dual GM series on Flanged Globe Valve					•					$262.00
AUXILIARY SWITCHES & POTENTIOMETERS											
	S1A Auxiliary switch - 1x SPDT, 3A (0.5A Inductive) @ 250 VAC		•	•	•	•					$74.00
	S2A Auxiliary switch - 1x SPDT, 3A (0.5A Inductive) @ 250 VAC		•	•	•	•					$110.00
	P140A Feedback potentiometer 140 Ω		•	•	•	•					$116.00
	P500A Feedback potentiometer 500 Ω		•	•	•	•					$116.00
	P1000A Feedback potentiometer 1000 Ω		•	•	•	•					$116.00
	P2800A Feedback potentiometer 2800 Ω		•	•	•	•					$116.00
	P5000A Feedback potentiometer 5000 Ω		•	•	•	•					$116.00
	P10000A Feedback potentiometer 10000 Ω		•	•	•	•					$116.00
BATTERY BACKUPS											
	NSV24 US Battery backup module		•	•	•	•					$492.00
	NSV-BAT US 12VDC 1.2 AH battery (2 required)		•	•	•	•					$106.00

Note: Each NSV-24 US requires 2 NSV-BAT.

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