

Two-Way Ball Valve Assemblies

Electronic Spring Return Actuators

- Normally Open
- GQD Damper Actuator Series
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem or stainless steel ball and stem



A-56

Valves






NO 1/2 to 3/4"				Spring Return Actuator				
				Normally Open				
				2P	2P w/ Dual Aux. Switches	2P, 120 V	Floating	2-10 Vdc
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi	 GQD121.1P	 GQD126.1P	 GQD221.1U	 GQD131.1P	 GQD151.1P
Chrome-Plated Brass Ball and Brass Stem								
599-10300	1/2	0.4	200	171H-10300	—	—	171J-10300	171K-10300
599-10301		0.63	200	171H-10301	—	—	171J-10301	171K-10301
599-10302		1.0	200	171H-10302	—	—	171J-10302	171K-10302
599-10303		1.6	200	171H-10303	—	—	171J-10303	171K-10303
599-10304		2.5	200	171H-10304	—	—	171J-10304	171K-10304
599-10305		4.0	200	171H-10305	—	—	171J-10305	171K-10305
599-10306		6.3	200	171H-10306	—	—	171J-10306	171K-10306
599-10307*	10	200	171H-10307*	—	171L-10307*	—	171J-10307*	171K-10307*
599-10308	3/4	6.3	200	171H-10308	—	—	171J-10308	171K-10308
599-10309		10	200	171H-10309	—	—	171J-10309	171K-10309
599-10310		16	200	171H-10310	—	—	171J-10310	171K-10310
599-10311*		25	200	171H-10311*	—	171L-10311*	—	171J-10311*
Stainless Steel Ball and Stem								
599-10300S	1/2	0.4	200	171H-10300S	—	—	171J-10300S	171K-10300S
599-10301S		0.63	200	171H-10301S	—	—	171J-10301S	171K-10301S
599-10302S		1.0	200	171H-10302S	—	—	171J-10302S	171K-10302S
599-10303S		1.6	200	171H-10303S	—	—	171J-10303S	171K-10303S
599-10304S		2.5	200	171H-10304S	—	—	171J-10304S	171K-10304S
599-10305S		4.0	200	171H-10305S	—	—	171J-10305S	171K-10305S
599-10306S		6.3	200	171H-10306S	—	—	171J-10306S	171K-10306S
599-10307S*	10	200	171H-10307S*	171N-10307S*	171L-10307S*	—	171J-10307S*	171K-10307S*
599-10308S	3/4	6.3	200	171H-10308S	—	—	171J-10308S	171K-10308S
599-10309S		10	200	171H-10309S	—	—	171J-10309S	171K-10309S
599-10310S		16	200	171H-10310S	—	—	171J-10310S	171K-10310S
599-10311S*		25	200	171H-10311S*	171N-10311S*	171L-10311S*	—	171J-10311S*

Table Notes:

Part numbers in red indicate complete assemblies.

*Denotes a full-port valve with no flow optimizer insert.

Two-Way Ball Valve Assemblies

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- Normally Open
- GMA Damper Actuator Series
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- Chrome-plated brass ball and brass stem or stainless steel ball and stem

Ball Selection Tables



NO 1 to 2"				Spring Return Actuator				
				Normally Open				
				2P	2P w/ Dual Aux. Switches	2P, 120 V	Floating	0-10 Vdc
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi					
Chrome-Plated Brass Ball and Brass Stem								
599-10312	1	10	200	171E-10312	—	—	171F-10312	171G-10312
599-10313		16	200	171E-10313	—	—	171F-10313	171G-10313
599-10314		25	200	171E-10314	—	—	171F-10314	171G-10314
599-10315		40	200	171E-10315	—	—	171F-10315	171G-10315
599-10316*		63	200	171E-10316*	—	171M-10316*	171F-10316*	171G-10316*
599-10317	1-1/4	16	200	171E-10317	—	—	171F-10317	171G-10317
599-10318		25	200	171E-10318	—	—	171F-10318	171G-10318
599-10319		40	200	171E-10319	—	—	171F-10319	171G-10319
599-10320		63	200	171E-10320	—	—	171F-10320	171G-10320
599-10321*		100	200	171E-10321*	—	171M-10321*	171F-10321*	171G-10321*
599-10322	1-1/2	25	200	171E-10322	—	—	171F-10322	171G-10322
599-10323		40	200	171E-10323	—	—	171F-10323	171G-10323
599-10324		63	200	171E-10324	—	—	171F-10324	171G-10324
599-10325		100	200	171E-10325	—	—	171F-10325	171G-10325
599-10326*		160	200	171E-10326*	—	171M-10326*	171F-10326*	171G-10326*
599-10327	2	40	200	171E-10327	—	—	171F-10327	171G-10327
599-10328		63	200	171E-10328	—	—	171F-10328	171G-10328
599-10329*		100	200	171E-10329*	—	—	171F-10329*	171G-10329*
599-10330*		160	200	171E-10330*	—	171M-10330*	171F-10330*	171G-10330*
Stainless Steel Ball and Stem								
599-10312S	1	10	200	171E-10312S	—	—	171F-10312S	171G-10312S
599-10313S		16	200	171E-10313S	—	—	171F-10313S	171G-10313S
599-10314S		25	200	171E-10314S	—	—	171F-10314S	171G-10314S
599-10315S		40	200	171E-10315S	—	—	171F-10315S	171G-10315S
599-10316S*		63	200	171E-10316S*	171P-10316S*	171M-10316S*	171F-10316S*	171G-10316S*
599-10317S	1-1/4	16	200	171E-10317S	—	—	171F-10317S	171G-10317S
599-10318S		25	200	171E-10318S	—	—	171F-10318S	171G-10318S
599-10319S		40	200	171E-10319S	—	—	171F-10319S	171G-10319S
599-10320S		63	200	171E-10320S	—	—	171F-10320S	171G-10320S
599-10321S*		100	200	171E-10321S*	171P-10321S*	171M-10321S*	171F-10321S*	171G-10321S*
599-10322S	1-1/2	25	200	171E-10322S	—	—	171F-10322S	171G-10322S
599-10323S		40	200	171E-10323S	—	—	171F-10323S	171G-10323S
599-10324S*		63	200	171E-10324S*	—	—	171F-10324S*	171G-10324S*
599-10325S		100	200	171E-10325S	—	—	171F-10325S	171G-10325S
599-10326S*		160	200	171E-10326S*	171P-10326S*	171M-10326S*	171F-10326S*	171G-10326S*
599-10327S	2	40	200	171E-10327S	—	—	171F-10327S	171G-10327S
599-10328S		63	200	171E-10328S	—	—	171F-10328S	171G-10328S
599-10329S*		100	200	171E-10329S*	—	—	171F-10329S*	171G-10329S*
599-10330S*		160	200	171E-10330S*	171P-10330S*	171M-10330S*	171F-10330S*	171G-10330S*

Table Notes:

Part numbers in red indicate complete assemblies.

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NC 1/2 to 3/4"				Spring Return Actuator				
				Normally Closed				
				2P	2P w/ Dual Aux. Switches	2P, 120 V	Floating	2-10 Vdc
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi					
				Chrome-Plated Brass Ball and Brass Stem				
599-10300	1/2	0.4	200	172H-10300	—	—	172J-10300	172K-10300
599-10301		0.63	200	172H-10301	—	—	172J-10301	172K-10301
599-10302		1.0	200	172H-10302	—	—	172J-10302	172K-10302
599-10303		1.6	200	172H-10303	—	—	172J-10303	172K-10303
599-10304		2.5	200	172H-10304	—	—	172J-10304	172K-10304
599-10305		4.0	200	172H-10305	—	—	172J-10305	172K-10305
599-10306		6.3	200	172H-10306	—	—	172J-10306	172K-10306
599-10307*	10	200	172H-10307*	—	172L-10307*	—	172J-10307*	172K-10307*
599-10308	3/4	6.3	200	172H-10308	—	—	172J-10308	172K-10308
599-10309		10	200	172H-10309	—	—	172J-10309	172K-10309
599-10310		16	200	172H-10310	—	—	172J-10310	172K-10310
599-10311*		25	200	172H-10311*	—	172L-10311*	—	172J-10311*
				Stainless Steel Ball and Stem				
599-10300S	1/2	0.4	200	172H-10300S	—	—	172J-10300S	172K-10300S
599-10301S		0.63	200	172H-10301S	—	—	172J-10301S	172K-10301S
599-10302S		1.0	200	172H-10302S	—	—	172J-10302S	172K-10302S
599-10303S		1.6	200	172H-10303S	—	—	172J-10303S	172K-10303S
599-10304S		2.5	200	172H-10304S	—	—	172J-10304S	172K-10304S
599-10305S		4.0	200	172H-10305S	—	—	172J-10305S	172K-10305S
599-10306S		6.3	200	172H-10306S	—	—	172J-10306S	172K-10306S
599-10307S*	10	200	172H-10307S*	172N-10307S*	172L-10307S*	—	172J-10307S*	172K-10307S*
599-10308S	3/4	6.3	200	172H-10308S	—	—	172J-10308S	172K-10308S
599-10309S		10	200	172H-10309S	—	—	172J-10309S	172K-10309S
599-10310S		16	200	172H-10310S	—	—	172J-10310S	172K-10310S
599-10311S*		25	200	172H-10311S*	172N-10311S*	172L-10311S*	—	172J-10311S*

Table Notes:

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Valves

Two-Way Ball Valve Assemblies

Electronic Spring Return Actuators

Ball Selection Tables

- Normally Closed
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- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem or stainless steel ball and stem



NC 1 to 2"				Spring Return Actuator				
				Normally Closed				
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi	2P	2P w/ Dual Aux. Switches	2P, 120 V	Floating	0-10 Vdc
Chrome-Plated Brass Ball and Brass Stem								
599-10312	1	10	200	172E-10312	—	—	172F-10312	172G-10312
599-10313		16	200	172E-10313	—	—	172F-10313	172G-10313
599-10314		25	200	172E-10314	—	—	172F-10314	172G-10314
599-10315		40	200	172E-10315	—	—	172F-10315	172G-10315
599-10316*		63	200	172E-10316*	—	172M-10316*	172F-10316*	172G-10316*
599-10317	1-1/4	16	200	172E-10317	—	—	172F-10317	172G-10317
599-10318		25	200	172E-10318	—	—	172F-10318	172G-10318
599-10319		40	200	172E-10319	—	—	172F-10319	172G-10319
599-10320		63	200	172E-10320	—	—	172F-10320	172G-10320
599-10321*		100	200	172E-10321*	—	172M-10321*	172F-10321*	172G-10321*
599-10322	1-1/2	25	200	172E-10322	—	—	172F-10322	172G-10322
599-10323		40	200	172E-10323	—	—	172F-10323	172G-10323
599-10324		63	200	172E-10324	—	—	172F-10324	172G-10324
599-10325		100	200	172E-10325	—	—	172F-10325	172G-10325
599-10326*		160	200	172E-10326*	—	172M-10326*	172F-10326*	172G-10326*
599-10327	2	40	200	172E-10327	—	—	172F-10327	172G-10327
599-10328		63	200	172E-10328	—	—	172F-10328	172G-10328
599-10329*		100	200	172E-10329*	—	—	172F-10329*	172G-10329*
599-10330*		160	200	172E-10330*	—	172M-10330*	172F-10330*	172G-10330*
Stainless Steel Ball and Stem								
599-10312S	1	10	200	172E-10312S	—	—	172F-10312S	172G-10312S
599-10313S		16	200	172E-10313S	—	—	172F-10313S	172G-10313S
599-10314S		25	200	172E-10314S	—	—	172F-10314S	172G-10314S
599-10315S		40	200	172E-10315S	—	—	172F-10315S	172G-10315S
599-10316S*		63	200	172E-10316S*	172P-10316S*	172M-10316S*	172F-10316S*	172G-10316S*
599-10317S	1-1/4	16	200	172E-10317S	—	—	172F-10317S	172G-10317S
599-10318S		25	200	172E-10318S	—	—	172F-10318S	172G-10318S
599-10319S		40	200	172E-10319S	—	—	172F-10319S	172G-10319S
599-10320S		63	200	172E-10320S	—	—	172F-10320S	172G-10320S
599-10321S*		100	200	172E-10321S*	172P-10321S*	172M-10321S*	172F-10321S*	172G-10321S*
599-10322S	1-1/2	25	200	172E-10322S	—	—	172F-10322S	172G-10322S
599-10323S		40	200	172E-10323S	—	—	172F-10323S	172G-10323S
599-10324S		63	200	172E-10324S	—	—	172F-10324S	172G-10324S
599-10325S		100	200	172E-10325S	—	—	172F-10325S	172G-10325S
599-10326S*		160	200	172E-10326S*	172P-10326S*	172M-10326S*	172F-10326S*	172G-10326S*
599-10327S	2	40	200	172E-10327S	—	—	172F-10327S	172G-10327S
599-10328S		63	200	172E-10328S	—	—	172F-10328S	172G-10328S
599-10329S*		100	200	172E-10329S*	—	—	172F-10329S*	172G-10329S*
599-10330S*		160	200	172E-10330S*	172P-10330S*	172M-10330S*	172F-10330S*	172G-10330S*

Table Notes:

Part numbers in red indicate complete assemblies.

*Denotes a full-port valve with no flow optimizer insert.

Two-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators

- Normally Open
- GDE Damper Actuator Series
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated ball and brass stem



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Valves





NO 1/2 to 1-1/4"				Non-Spring Return Actuator			
				Normally Open			
				Floating		0-10 Vdc	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi	 GDE131.1P 3-foot (.9m) Wires	 GDE131.1Q Conduit Adapter & 6-foot (1.8m) Wires	 GDE161.1P 3-foot (.9m) Wires	 GDE161.1Q Conduit Adapter & 6-foot (1.8m) Wires
Chrome-Plated Brass Ball and Brass Stem							
599-10300	1/2	0.4	200	171A-10300	173A-10300	171C-10300	173C-10300
599-10301		0.63	200	171A-10301	173A-10301	171C-10301	173C-10301
599-10302		1.0	200	171A-10302	173A-10302	171C-10302	173C-10302
599-10303		1.6	200	171A-10303	173A-10303	171C-10303	173C-10303
599-10304		2.5	200	171A-10304	173A-10304	171C-10304	173C-10304
599-10305		4.0	200	171A-10305	173A-10305	171C-10305	173C-10305
599-10306		6.3	200	171A-10306	173A-10306	171C-10306	173C-10306
599-10307*		10	200	171A-10307*	173A-10307*	171C-10307*	173C-10307*
599-10308	3/4	6.3	200	171A-10308	173A-10308	171C-10308	173C-10308
599-10309		10	200	171A-10309	173A-10309	171C-10309	173C-10309
599-10310		16	200	171A-10310	173A-10310	171C-10310	173C-10310
599-10311*		25	200	171A-10311*	173A-10311*	171C-10311*	173C-10311*
599-10312	1	10	200	171A-10312	173A-10312	171C-10312	173C-10312
599-10313		16	200	171A-10313	173A-10313	171C-10313	173C-10313
599-10314		25	200	171A-10314	173A-10314	171C-10314	173C-10314
599-10315		40	200	171A-10315	173A-10315	171C-10315	173C-10315
599-10316*		63	200	171A-10316*	173A-10316*	171C-10316*	173C-10316*
599-10317	1-1/4	16	200	171A-10317	173A-10317	171C-10317	173C-10317
599-10318		25	200	171A-10318	173A-10318	171C-10318	173C-10318
599-10319		40	200	171A-10319	173A-10319	171C-10319	173C-10319
599-10320		63	200	171A-10320	173A-10320	171C-10320	173C-10320
599-10321*		100	200	171A-10321*	173A-10321*	171C-10321*	173C-10321*

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- Stainless steel ball and stem







NO 1/2 to 1-1/4"				Non-Spring Return Actuator			
				Normally Open			
				Floating		0-10 Vdc	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi	 GDE131.1P 3-foot (.9m) Wires	 GDE131.1Q Conduit Adapter & 6-foot (1.8m) Wires	 GDE161.1P 3-foot (.9m) Wires	 GDE161.1Q Conduit Adapter & 6-foot (1.8m) Wires
Stainless Steel Ball and Stem							
599-10300S	1/2	0.4	200	171A-10300S	173A-10300S	171C-10300S	173C-10300S
599-10301S		0.63	200	171A-10301S	173A-10301S	171C-10301S	173C-10301S
599-10302S		1.0	200	171A-10302S	173A-10302S	171C-10302S	173C-10302S
599-10303S		1.6	200	171A-10303S	173A-10303S	171C-10303S	173C-10303S
599-10304S		2.5	200	171A-10304S	173A-10304S	171C-10304S	173C-10304S
599-10305S		4.0	200	171A-10305S	173A-10305S	171C-10305S	173C-10305S
599-10306S		6.3	200	171A-10306S	173A-10306S	171C-10306S	173C-10306S
599-10307S*		10	200	171A-10307S*	173A-10307S*	171C-10307S*	173C-10307S*
599-10308S		3/4	6.3	200	171A-10308S	173A-10308S	171C-10308S
599-10309S	10		200	171A-10309S	173A-10309S	171C-10309S	173C-10309S
599-10310S	16		200	171A-10310S	173A-10310S	171C-10310S	173C-10310S
599-10311S*	1	25	200	171A-10311S*	173A-10311S*	171C-10311S*	173C-10311S*
599-10312S		10	200	171A-10312S	173A-10312S	171C-10312S	173C-10312S
599-10313S		16	200	171A-10313S	173A-10313S	171C-10313S	173C-10313S
599-10314S		25	200	171A-10314S	173A-10314S	171C-10314S	173C-10314S
599-10315S		40	200	171A-10315S	173A-10315S	171C-10315S	173C-10315S
599-10316S*		63	200	171A-10316S*	173A-10316S*	171C-10316S*	173C-10316S*
599-10317S	1-1/4	16	200	171A-10317S	173A-10317S	171C-10317S	173C-10317S
599-10318S		25	200	171A-10318S	173A-10318S	171C-10318S	173C-10318S
599-10319S		40	200	171A-10319S	173A-10319S	171C-10319S	173C-10319S
599-10320S		63	200	171A-10320S	173A-10320S	171C-10320S	173C-10320S
599-10321S*		100	200	171A-10321S*	173A-10321S*	171C-10321S*	173C-10321S*

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Valves

Two-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators

- GLB Damper Actuator Series
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem or stainless steel ball and stem



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Valves





NO 1-1/2 to 2"				Non-Spring Return Actuator			
				Normally Open			
				Floating		0-10 Vdc	
2-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi	 GLB131.1P 3-foot (.9m) Wires	 GLB131.1Q Conduit Adapter & 6-foot (1.8m) Wires	 GLB161.1P 3-foot (.9m) Wires	 GLB161.1Q Conduit Adapter & 6-foot (1.8m) Wires
Chrome-Plated Brass Ball and Brass Stem							
599-10322	1-1/2	25	200	171B-10322	173B-10322	171D-10322	173D-10322
599-10323		40	200	171B-10323	173B-10323	171D-10323	173D-10323
599-10324		63	200	171B-10324	173B-10324	171D-10324	173D-10324
599-10325		100	200	171B-10325	173B-10325	171D-10325	173D-10325
599-10326*		160	200	171B-10326*	173B-10326*	171D-10326*	173D-10326*
599-10327	2	40	200	171B-10327	173B-10327	171D-10327	173D-10327
599-10328		63	200	171B-10328	173B-10328	171D-10328	173D-10328
599-10329*		100	200	171B-10329*	173B-10329*	171D-10329*	173D-10329*
599-10330*		160	200	171B-10330*	173B-10330*	171D-10330*	173D-10330*
Stainless Steel Ball and Stem							
599-10322S	1-1/2	25	200	171B-10322S	173B-10322S	171D-10322S	173D-10322S
599-10323S		40	200	171B-10323S	173B-10323S	171D-10323S	173D-10323S
599-10324S		63	200	171B-10324S	173B-10324S	171D-10324S	173D-10324S
599-10325S		100	200	171B-10325S	173B-10325S	171D-10325S	173D-10325S
599-10326S*		160	200	171B-10326S*	173B-10326S*	171D-10326S*	173D-10326S*
599-10327S	2	40	200	171B-10327S	173B-10327S	171D-10327S	173D-10327S
599-10328S		63	200	171B-10328S	173B-10328S	171D-10328S	173D-10328S
599-10329S*		100	200	171B-10329S*	173B-10329S*	171D-10329S*	173D-10329S*
599-10330S*		160	200	171B-10330S*	173B-10330S*	171D-10330S*	173D-10330S*

Table Notes:

Part numbers in red indicate complete assemblies.

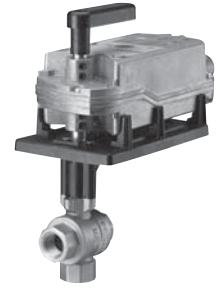
*Denotes a full-port valve with no flow optimizer insert.

Three-Way Ball Valve Assemblies

Electronic Spring Return Actuators

Ball Selection Tables

- GMA Damper Actuator Series
- A → AB Normally Open
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem






Mixing/Diverting 1/2 to 2"				Spring Return Actuator		
				GMA Series		
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi	2P	Floating	0-10 Vdc
				 GMA121.1P	 GMA131.1P	 GMA161.1P
Chrome-Plated Brass Ball and Brass Stem						
599-10350	1/2	0.4	200	171E-10350	171F-10350	171G-10350
599-10351		0.63	200	171E-10351	171F-10351	171G-10351
599-10352		1.0	200	171E-10352	171F-10352	171G-10352
599-10353		1.6	200	171E-10353	171F-10353	171G-10353
599-10354		2.5	200	171E-10354	171F-10354	171G-10354
599-10355		4	200	171E-10355	171F-10355	171G-10355
599-10356		6.3	200	171E-10356	171F-10356	171G-10356
599-10357*		10	200	171E-10357*	171F-10357*	171G-10357*
599-10358	3/4	6.3	200	171E-10358	171F-10358	171G-10358
599-10359		10	200	171E-10359	171F-10359	171G-10359
599-10360*		16	200	171E-10360*	171F-10360*	171G-10360*
599-10361	1	10	200	171E-10361	171F-10361	171G-10361
599-10362		16	200	171E-10362	171F-10362	171G-10362
599-10363*		25	200	171E-10363*	171F-10363*	171G-10363*
599-10364	1-1/4	16	200	171E-10364	171F-10364	171G-10364
599-10365		25	200	171E-10365	171F-10365	171G-10365
599-10366*		40	200	171E-10366*	171F-10366*	171G-10366*
599-10367	1-1/2	25	200	171E-10367	171F-10367	171G-10367
599-10368		40	200	171E-10368	171F-10368	171G-10368
599-10369*		63	200	171E-10369*	171F-10369*	171G-10369*
599-10370	2	40	200	171E-10370	171F-10370	171G-10370
599-10371		63	200	171E-10371	171F-10371	171G-10371
599-10372*		100	200	171E-10372*	171F-10372*	171G-10372*

Table Notes:

Part numbers in red indicate complete assemblies.

*Denotes a full-port valve with no flow optimizer insert.

NOTE: Maximum operating differential pressure = 60 psi for 1/2" to 1-1/2", 35 psi for 2"

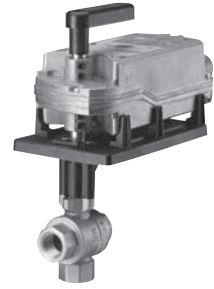
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Valves

Three-Way Ball Valve Assemblies

Electronic Spring Return Actuators

- GMA Damper Actuator Series
- A → AB Normally Open
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Stainless steel ball and stem






Mixing/Diverting 1/2 to 2"				Spring Return Actuator		
				GMA Series		
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi	2P	Floating	0-10 Vdc
				 GMA121.1P	 GMA131.1P	 GMA161.1P
Stainless Steel Ball and Stem						
599-10350S	1/2	0.4	200	171E-10350S	171F-10350S	171G-10350S
599-10351S		0.63	200	171E-10351S	171F-10351S	171G-10351S
599-10352S		1.0	200	171E-10352S	171F-10352S	171G-10352S
599-10353S		1.6	200	171E-10353S	171F-10353S	171G-10353S
599-10354S		2.5	200	171E-10354S	171F-10354S	171G-10354S
599-10355S		4	200	171E-10355S	171F-10355S	171G-10355S
599-10356S		6.3	200	171E-10356S	171F-10356S	171G-10356S
599-10357S*		10	200	171E-10357S*	171F-10357S*	171G-10357S*
599-10358S	3/4	6.3	200	171E-10358S	171F-10358S	171G-10358S
599-10359S		10	200	171E-10359S	171F-10359S	171G-10359S
599-10360S*		16	200	171E-10360S*	171F-10360S*	171G-10360S*
599-10361S	1	10	200	171E-10361S	171F-10361S	171G-10361S
599-10362S		16	200	171E-10362S	171F-10362S	171G-10362S
599-10363S*		25	200	171E-10363S*	171F-10363S*	171G-10363S*
599-10364S	1-1/4	16	200	171E-10364S	171F-10364S	171G-10364S
599-10365S		25	200	171E-10365S	171F-10365S	171G-10365S
599-10366S*		40	200	171E-10366S*	171F-10366S*	171G-10366S*
599-10367S	1-1/2	25	200	171E-10367S	171F-10367S	171G-10367S
599-10368S		40	200	171E-10368S	171F-10368S	171G-10368S
599-10369S*		63	200	171E-10369S*	171F-10369S*	171G-10369S*
599-10370S	2	40	200	171E-10370S	171F-10370S	171G-10370S
599-10371S		63	200	171E-10371S	171F-10371S	171G-10371S
599-10372S*		100	200	171E-10372S*	171F-10372S*	171G-10372S*

Table Notes:

Part numbers in red indicate complete assemblies.

*Denotes a full-port valve with no flow optimizer insert.

NOTE: Maximum operating differential pressure = 60 psi for 1/2" to 1-1/2", 35 psi for 2"

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Valves



Three-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators

- GDE/GLB Damper Actuator Series
- A → AB Normally Open
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem








Mixing/Diverting 1/2 to 2"				Non-Spring Return Actuator			
				GDE and GLB Series			
				Floating		0-10 Vdc	
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi				
Chrome-Plated Brass Ball and Brass Stem							
	1/2	0.4	200	171A-10350	173A-10350	171C-10350	173C-10350
		0.63	200	171A-10351	173A-10351	171C-10351	173C-10351
		1.0	200	171A-10352	173A-10352	171C-10352	173C-10352
		1.6	200	171A-10353	173A-10353	171C-10353	173C-10353
		2.5	200	171A-10354	173A-10354	171C-10354	173C-10354
		4	200	171A-10355	173A-10355	171C-10355	173C-10355
		6.3	200	171A-10356	173A-10356	171C-10356	173C-10356
		10	200	171A-10357*	173A-10357*	171C-10357*	173C-10357*
	3/4	6.3	200	171A-10358	173A-10358	171C-10358	173C-10358
		10	200	171A-10359	173A-10359	171C-10359	173C-10359
		16	200	171A-10360*	173A-10360*	171C-10360*	173C-10360*
	1	10	200	171A-10361	173A-10361	171C-10361	173C-10361
		16	200	171A-10362	173A-10362	171C-10362	173C-10362
		25	200	171A-10363*	173A-10363*	171C-10363*	173C-10363*
	1-1/4	16	200	171A-10364	173A-10364	171C-10364	173C-10364
		25	200	171A-10365	173A-10365	171C-10365	173C-10365
		40	200	171A-10366*	173A-10366*	171C-10366*	173C-10366*
	1-1/2	25	200	171B-10367	173B-10367	171D-10367	173D-10367
40		200	171B-10368	173B-10368	171D-10368	173D-10368	
63		200	171B-10369*	173B-10369*	171D-10369*	173D-10369*	
2	40	200	171B-10370	173B-10370	171D-10370	173D-10370	
	63	200	171B-10371	173B-10371	171D-10371	173D-10371	
	100	200	171B-10372*	173B-10372*	171D-10372*	173D-10372*	

Table Notes:

Part numbers in red indicate complete assemblies.

*Denotes a full-port valve with no flow optimizer insert.

NOTE: Maximum operating differential pressure = 60 psi for 1/2" to 1-1/2", 35 psi for 2"

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Valves

Three-Way Ball Valve Assemblies

Electronic Non-Spring Return Actuators

- GDE/GLB Damper Actuator Series
- A → AB Normally Open
- Part Nos. with * denote a full-port valve with no flow optimizer insert
- Chrome-plated brass ball and brass stem







Mixing/Diverting 1/2 to 2"				Non-Spring Return Actuator			
				GDE and GLB Series			
3-Way Valve Body Part No.	Valve Size in.	Flow Rate Cv	Close Off psi	Floating		0-10 Vdc	
							
				GDE131.1P (171A) and GLB131.1P (171B) 3-foot (.9m) Wires	GDE131.1Q (173A) and GLB131.1Q (173B) Conduit Adapter & 6-foot (1.8m) Wires	GDE161.1P (171C) and GLB161.1P (171D) 3-foot (.9m) Wires	GDE161.1Q (173C) and GLB161.1Q (173D) Conduit Adapter & 6-foot (1.8m) Wires
Stainless Steel Ball and Stem							
599-10350S	1/2	0.4	200	171A-10350S	173A-10350S	171C-10350S	173C-10350S
599-10351S		0.63	200	171A-10351S	173A-10351S	171C-10351S	173C-10351S
599-10352S		1.0	200	171A-10352S	173A-10352S	171C-10352S	173C-10352S
599-10353S		1.6	200	171A-10353S	173A-10353S	171C-10353S	173C-10353S
599-10354S		2.5	200	171A-10354S	173A-10354S	171C-10354S	173C-10354S
599-10355S		4	200	171A-10355S	173A-10355S	171C-10355S	173C-10355S
599-10356S		6.3	200	171A-10356S	173A-10356S	171C-10356S	173C-10356S
599-10357S*	10	200	171A-10357S*	173A-10357S*	171C-10357S*	173C-10357S*	
599-10358S	3/4	6.3	200	171A-10358S	173A-10358S	171C-10358S	173C-10358S
599-10359S		10	200	171A-10359S	173A-10359S	171C-10359S	173C-10359S
599-10360S*	16	200	171A-10360S*	173A-10360S*	171C-10360S*	173C-10360S*	
599-10361S	1	10	200	171A-10361S	173A-10361S	171C-10361S	173C-10361S
599-10362S		16	200	171A-10362S	173A-10362S	171C-10362S	173C-10362S
599-10363S*		25	200	171A-10363S*	173A-10363S*	171C-10363S*	173C-10363S*
599-10364S	1-1/4	16	200	171A-10364S	173A-10364S	171C-10364S	173C-10364S
599-10365S		25	200	171A-10365S	173A-10365S	171C-10365S	173C-10365S
599-10366S*		40	200	171A-10366S*	173A-10366S*	171C-10366S*	173C-10366S*
599-10367S	1-1/2	25	200	171B-10367S	173B-10367S	171D-10367S	173D-10367S
599-10368S		40	200	171B-10368S	173B-10368S	171D-10368S	173D-10368S
599-10369S*		63	200	171B-10369S*	173B-10369S*	171D-10369S*	173D-10369S*
599-10370S	2	40	200	171B-10370S	173B-10370S	171D-10370S	173D-10370S
599-10371S		63	200	171B-10371S	173B-10371S	171D-10371S	173D-10371S
599-10372S*		100	200	171B-10372S*	173B-10372S*	171D-10372S*	173D-10372S*

Table Notes:

Part numbers in red indicate complete assemblies.

*Denotes a full-port valve with no flow optimizer insert.

NOTE: Maximum operating differential pressure = 60 psi for 1/2" to 1-1/2", 35 psi for 2"

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Valves

