






# 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



| NO<br>1/2 to 3/4"                              |                      |                    |                     | Spring Return Actuator  |   |  |   |   |              |
|--|----------------------|--------------------|---------------------|---|---|--|---|---|--------------|
|  |                      |                    |                     | Normally Open   |   |  |   |   |              |
|  |                      |                    |                     | 2P  | 2P w/ Dual<br>Aux. Switches   | 2P,<br>120 V   | Floating  | 2-10 Vdc  |              |
| 2-Way<br>Valve Body<br>Part No.                | Valve<br>Size<br>in. | Flow<br>Rate<br>Cv | Close<br>Off<br>psi |  |  |  |  |  |              |
|  |                      |                    |                     | GQD121.1P   | GQD126.1P   | GQD221.1U  | GQD131.1P   | GQD151.1P   |              |
| <b>Chrome-Plated Brass Ball and Brass Stem</b> |                      |                    |                     |   |   |  |   |   |              |
| 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*   | 171K-10311*  |
|  |                      |                    |                     |   |   |  |   |   |              |
| <b>Stainless Steel Ball and Stem</b>           |                      |                    |                     |   |   |  |   |   |              |
| 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*  | 171K-10311S* |
|  |                      |                    |                     |   |   |  |   |   |              |

**Table Notes:**

Part numbers in red indicate complete assemblies.

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

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Valves






# Two-Way Ball Valve Assemblies

## Electronic Spring Return Actuators

# Ball Selection Tables

- Normally Open
- GMA 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



| <b>NO</b><br>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 |  |  |  |  |  |  |
| <b>Chrome-Plated Brass Ball and Brass Stem</b> |                |              |               |   |   |   |   |   |  |
| 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*   |  |
| <b>Stainless Steel Ball and Stem</b>           |                |              |               |   |   |   |   |   |  |
| 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.

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

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Valves

# Two-Way Ball Valve Assemblies

## Electronic Spring Return Actuators

- Normally Closed
- 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



| NC<br>1/2 to 3/4"                              |                      |                    |                     | Spring Return Actuator  |   |  |   |   |
|--|----------------------|--------------------|---------------------|---|---|--|---|---|
|  |                      |                    |                     | Normally Closed   |   |  |   |   |
|  |                      |                    |                     | 2P  | 2P w/ Dual<br>Aux. Switches   | 2P,<br>120 V   | Floating  | 2-10 Vdc  |
| 2-Way<br>Valve Body<br>Part No.                | Valve<br>Size<br>in. | Flow<br>Rate<br>Cv | Close<br>Off<br>psi |  |  |  |  |  |
|  |                      |                    |                     | GQD121.1P   | GQD126.1P   | GQD221.1U  | GQD131.1P   | GQD151.1P   |
| <b>Chrome-Plated Brass Ball and Brass Stem</b> |                      |                    |                     |   |   |  |   |   |
| 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*   |
| <b>Stainless Steel Ball and Stem</b>           |                      |                    |                     |   |   |  |   |   |
| 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:**

Part numbers in red indicate complete assemblies.

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

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Valves

# Two-Way Ball Valve Assemblies

## Electronic Spring Return Actuators

# Ball Selection Tables

- Normally Closed
- GMA 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



| NC<br>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     |
|  |                |              |               |                        |                          |              |              |              |
| <b>Chrome-Plated Brass Ball and Brass Stem</b> |                |              |               |                        |                          |              |              |              |
| 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*  |
| <b>Stainless Steel Ball and Stem</b>           |                |              |               |                        |                          |              |              |              |
| 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

| <b>NO</b><br>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 | <br>GDE131.1P<br>3-foot (.9m) Wires | <br>GDE131.1Q<br>Conduit Adapter & 6-foot (1.8m) Wires | <br>GDE161.1P<br>3-foot (.9m) Wires | <br>GDE161.1Q<br>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*                              | 1              | 25           | 200           | 171A-10311*  | 173A-10311*   | 171C-10311*  | 173C-10311*   |
| 599-10312                               |                | 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*   |

**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
- Stainless steel ball and stem



| <b>NO</b><br>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 | <br>GDE131.1P<br>3-foot (.9m)<br>Wires | <br>GDE131.1Q<br>Conduit Adapter &<br>6-foot (1.8m) Wires | <br>GDE161.1P<br>3-foot (.9m)<br>Wires | <br>GDE161.1Q<br>Conduit Adapter &<br>6-foot (1.8m) Wires |
| <b>Stainless Steel Ball and Stem</b> |                |              |               |   |  |   |  |
| 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*   |

**Table Notes:**

Part numbers in red indicate complete assemblies.

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

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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

| <b>NO</b><br>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 | <br>GLB131.1P<br>3-foot (.9m)<br>Wires | <br>GLB131.1Q<br>Conduit Adapter &<br>6-foot (1.8m) Wires | <br>GLB161.1P<br>3-foot (.9m)<br>Wires | <br>GLB161.1Q<br>Conduit Adapter &<br>6-foot (1.8m) Wires |
| <b>Chrome-Plated Brass Ball and Brass Stem</b> |                |              |               |   |  |   |  |
| 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*  |
| <b>Stainless Steel Ball and Stem</b>           |                |              |               |   |  |   |  |
| 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

- 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

# Ball Selection Tables



| Mixing/Diverting<br>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   |
|  |                |              |               | <br>GMA121.1P | <br>GMA131.1P | <br>GMA161.1P |
| <b>Chrome-Plated Brass Ball and Brass Stem</b> |                |              |               |  |  |  |
| 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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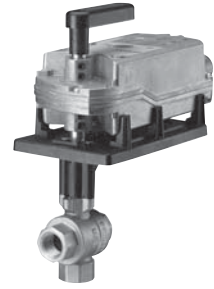
Valves






# 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<br>1/2 to 2"        |                      |                    |                     | Spring Return Actuator   |   |  |
|--------------------------------------|----------------------|--------------------|---------------------|--|---|--|
|                                      |                      |                    |                     | GMA Series   |   |  |
| 3-Way<br>Valve Body<br>Part No.      | Valve<br>Size<br>in. | Flow<br>Rate<br>Cv | Close<br>Off<br>psi | 2P   | Floating  | 0-10 Vdc   |
|                                      |                      |                    |                     | <br>GMA121.1P | <br>GMA131.1P | <br>GMA161.1P |
| <b>Stainless Steel Ball and Stem</b> |                      |                    |                     |  |   |  |
| 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<br>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 |  |  |  |  |
| <b>Chrome-Plated Brass Ball and Brass Stem</b>                                      |                |              |               |   |  |   |   |
|  | 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<br>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)<br>3-foot (.9m) Wires                       | GDE131.1Q (173A) and GLB131.1Q (173B)<br>Conduit Adapter & 6-foot (1.8m) Wires    | GDE161.1P (171C) and GLB161.1P (171D)<br>3-foot (.9m) Wires                         | GDE161.1Q (173C) and GLB161.1Q (173D)<br>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

