






# Two-Way **Globe** Valve Assemblies

ANSI Class 250

Pneumatic Spring Return Actuators



- Normally Open or Normally Closed
- Linear
- Stainless Steel Trim

| NO/NC<br>Linear<br>1/2 to 2"  |                      |                    | Spring Return Actuator  |   |   |   |   |           |           |           |     |           |
|---|----------------------|--------------------|---|---|---|---|---|-----------|-----------|-----------|-----|-----------|
|   |                      |                    | NO 4" 3-8 psi<br>NC 4" 10-15 psi  | 8"  | 8"<br>High Temp.  | 8"<br>with Positioner   | 8" High Temp.<br>with Positioner  |           |           |           |     |           |
| 2-Way<br>Valve Body<br>Part No.   | Valve<br>Size<br>in. | Flow<br>Rate<br>Cv |  |  |  |  |  |           |           |           |     |           |
|   |                      |                    | 599-01081 – NO<br>599-01083 – NC  | 599-01050   | 599-01051   | 599-01050 +<br>599-00426  | 599-01051 +<br>599-00426  |           |           |           |     |           |
| <b>Normally Open</b>  |                      |                    |   |   |   |   |   |           |           |           |     |           |
| <b>Close-off psi — Standard-temperature Range 20° F to 250° F (-7° C to 120° C)</b> |                      |                    |   |   |   |   |   |           |           |           |     |           |
| 599-03000   | 1/2                  | 1                  | 142   | 268-03000   | 250   | 277-03000   | —   | 250       | 283-03000 | —         |     |           |
| 599-03001   |                      | 1.6                | 142   | 268-03001   | 250   | 277-03001   | —   | 250       | 283-03001 | —         |     |           |
| 599-03002   |                      | 2.5                | 142   | 268-03002   | 250   | 277-03002   | —   | 250       | 283-03002 | —         |     |           |
| 599-03003   |                      | 4                  | 142   | 268-03003   | 250   | 277-03003   | —   | 250       | 283-03003 | —         |     |           |
| 599-03004   | 3/4                  | 6.3                | 80  | 268-03004   | 231   | 277-03004   | —   | 231       | 283-03004 | —         |     |           |
| 599-03005   | 1                    | 10                 | 52  | 268-03005   | 150   | 277-03005   | —   | 150       | 283-03005 | —         |     |           |
| 599-03006   | 1-1/4                | 16                 | 32  | 268-03006   | 93  | 277-03006   | —   | 93        | 283-03006 | —         |     |           |
| 599-03007   | 1-1/2                | 25                 | 20  | 268-03007   | 60  | 277-03007   | —   | 60        | 283-03007 | —         |     |           |
| 599-03008   | 2                    | 40                 | 12  | 268-03008   | 37  | 277-03008   | —   | 37        | 283-03008 | —         |     |           |
| <b>Close-off psi — High-temperature Range is 337° F max. (170° C)</b>               |                      |                    |   |   |   |   |   |           |           |           |     |           |
| 599-03054   | 1/2                  | 1                  | 142   | 268-03054   | 250   | 277-03054   | 250   | 278-03054 | 250       | 283-03054 | 250 | 284-03054 |
| 599-03055   |                      | 1.6                | 142   | 268-03055   | 250   | 277-03055   | 250   | 278-03055 | 250       | 283-03055 | 250 | 284-03055 |
| 599-03056   |                      | 2.5                | 142   | 268-03056   | 250   | 277-03056   | 250   | 278-03056 | 250       | 283-03056 | 250 | 284-03056 |
| 599-03057   |                      | 4                  | 142   | 268-03057   | 250   | 277-03057   | 250   | 278-03057 | 250       | 283-03057 | 250 | 284-03057 |
| 599-03058   | 3/4                  | 6.3                | 80  | 268-03058   | 231   | 277-03058   | 231   | 278-03058 | 231       | 283-03058 | 231 | 284-03058 |
| 599-03059   | 1                    | 10                 | 52  | 268-03059   | 150   | 277-03059   | 150   | 278-03059 | 150       | 283-03059 | 150 | 284-03059 |
| 599-03060   | 1-1/4                | 16                 | 32  | 268-03060   | 93  | 277-03060   | 93  | 278-03060 | 93        | 283-03060 | 93  | 284-03060 |
| 599-03061   | 1-1/2                | 25                 | 20  | 268-03061   | 60  | 277-03061   | 60  | 278-03061 | 60        | 283-03061 | 60  | 284-03061 |
| 599-03062   | 2                    | 40                 | 12  | 268-03062   | 37  | 277-03062   | 37  | 278-03062 | 37        | 283-03062 | 37  | 284-03062 |
| <b>Normally Closed</b>  |                      |                    |   |   |   |   |   |           |           |           |     |           |
| <b>Close-off psi — Standard-temperature Range 20° F to 250° F (-7° C to 120° C)</b> |                      |                    |   |   |   |   |   |           |           |           |     |           |
| 599-03018   | 1/2                  | 1                  | 236   | 270-03018   | 250   | 277-03018   | —   | 250       | 283-03018 | —         |     |           |
| 599-03019   |                      | 1.6                | 236   | 270-03019   | 250   | 277-03019   | —   | 250       | 283-03019 | —         |     |           |
| 599-03020   |                      | 2.5                | 236   | 270-03020   | 250   | 277-03020   | —   | 250       | 283-03020 | —         |     |           |
| 599-03021   |                      | 4                  | 236   | 270-03021   | 250   | 277-03021   | —   | 250       | 283-03021 | —         |     |           |
| 599-03022   | 3/4                  | 6.3                | 155   | 270-03022   | 250   | 277-03022   | —   | 250       | 283-03022 | —         |     |           |
| 599-03023   | 1                    | 10                 | 91  | 270-03023   | 250   | 277-03023   | —   | 250       | 283-03023 | —         |     |           |
| 599-03024   | 1-1/4                | 16                 | 52  | 270-03024   | 148   | 277-03024   | —   | 148       | 283-03024 | —         |     |           |
| 599-03025   | 1-1/2                | 25                 | 32  | 270-03025   | 92  | 277-03025   | —   | 92        | 283-03025 | —         |     |           |
| 599-03026   | 2                    | 40                 | 20  | 270-03026   | 55  | 277-03026   | —   | 55        | 283-03026 | —         |     |           |
| <b>Close-off psi — High-temperature Range is 337° F max. (170° C)</b>               |                      |                    |   |   |   |   |   |           |           |           |     |           |
| 599-03072   | 1/2                  | 1                  | 236   | 270-03072   | 250   | 277-03072   | 250   | 278-03072 | 250       | 283-03072 | 250 | 284-03072 |
| 599-03073   |                      | 1.6                | 236   | 270-03073   | 250   | 277-03073   | 250   | 278-03073 | 250       | 283-03073 | 250 | 284-03073 |
| 599-03074   |                      | 2.5                | 236   | 270-03074   | 250   | 277-03074   | 250   | 278-03074 | 250       | 283-03074 | 250 | 284-03074 |
| 599-03075   |                      | 4                  | 236   | 270-03075   | 250   | 277-03075   | 250   | 278-03075 | 250       | 283-03075 | 250 | 284-03075 |
| 599-03076   | 3/4                  | 6.3                | 155   | 270-03076   | 250   | 277-03076   | 250   | 278-03076 | 250       | 283-03076 | 250 | 284-03076 |
| 599-03077   | 1                    | 10                 | 91  | 270-03077   | 250   | 277-03077   | 250   | 278-03077 | 250       | 283-03077 | 250 | 284-03077 |
| 599-03078   | 1-1/4                | 16                 | 52  | 270-03078   | 148   | 277-03078   | 148   | 278-03078 | 148       | 283-03078 | 148 | 284-03078 |
| 599-03079   | 1-1/2                | 25                 | 32  | 270-03079   | 92  | 277-03079   | 92  | 278-03079 | 92        | 283-03079 | 92  | 284-03079 |
| 599-03080   | 2                    | 40                 | 20  | 270-03080   | 55  | 277-03080   | 55  | 278-03080 | 55        | 283-03080 | 55  | 284-03080 |

**Table Notes:**

Part numbers in red indicate complete assemblies. Black numbers indicate close-off psi. Close-off values are for 15 psi signal for Normally Open and 0 psi signal for Normally Closed. Close-off values for Normally Open valves with positioner may be substantially higher based on line supply pressure.

