



# VG7000 Series Globe Valves



## V-3000-8011 SERIES SPRING RETURN PNEUMATIC ACTUATORS (EXPOSED SPRING)

- Available in brass trim
- Controls – hot water, chilled water, glycol solutions and steam
- Meets requirements of ASME B16.15 class 250
- Long life replaceable ring packing provides highest reliability and longest life
- Every valve tested for tight shut-off
- Fluid temperature range – 35 to 284°F (2 to 140°C)
- Steam pressure – 38 psig saturated steam
- Effective diaphragm area 8 square inches
- Optional positioner available

### V-3000-8011 EXPOSED SPRING PNEUMATIC ACTUATORS

| SPRING RANGE                                                      |       |      | 3 TO 6 PSIG |                | 4 TO 8 PSIG |                | 9 TO 13 PSIG |                |
|-------------------------------------------------------------------|-------|------|-------------|----------------|-------------|----------------|--------------|----------------|
| VALVE                                                             | SIZE  | Cv   | CLOSEOFF    | CODE NUMBER    | CLOSEOFF    | CODE NUMBER    | CLOSEOFF     | CODE NUMBER    |
| TWO-WAY PUSH-DOWN-TO-CLOSE (NORMALLY OPEN) – NPT END CONNECTIONS  |       |      |             |                |             |                |              |                |
| VG7241CT                                                          | 1/2   | 0.73 | 365         | VG7241CT+3008B | 339         | VG7241CT+3008D | 191          | VG7241CT+3008E |
| VG7241ET                                                          | 1/2   | 1.8  | 365         | VG7241ET+3008B | 339         | VG7241ET+3008D | 191          | VG7241ET+3008E |
| VG7241GT                                                          | 1/2   | 4.6  | 225         | VG7241GT+3008B | 192         | VG7241GT+3008D | 108          | VG7241GT+3008E |
| VG7241LT                                                          | 3/4   | 7.3  | 144         | VG7241LT+3008B | 122         | VG7241LT+3008D | 69           | VG7241LT+3008E |
| VG7241NT                                                          | 1     | 11.6 | 90          | VG7241NT+3008B | 76          | VG7241NT+3008D | 42           | VG7241NT+3008E |
| VG7241PT                                                          | 1-1/4 | 18.5 | 55          | VG7241PT+3008B | 47          | VG7241PT+3008D | 26           | VG7241PT+3008E |
| VG7241RT                                                          | 1-1/2 | 28.9 | 35          | VG7241RT+3008B | 30          | VG7241RT+3008D | 16           | VG7241RT+3008E |
| VG7241ST                                                          | 2     | 46.2 | 22          | VG7241ST+3008B | 19          | VG7241ST+3008D | 11           | VG7241ST+3008E |
| TWO-WAY PUSH-DOWN-TO-OPEN (NORMALLY CLOSED) – NPT END CONNECTIONS |       |      |             |                |             |                |              |                |
| VG7441CT                                                          | 1/2   | 0.73 | 100         | VG7441CT+3008B | 142         | VG7441CT+3008D | 348          | VG7441CT+3008E |
| VG7441ET                                                          | 1/2   | 1.8  | 100         | VG7441ET+3008B | 142         | VG7441ET+3008D | 348          | VG7441ET+3008E |
| VG7441GT                                                          | 1/2   | 4.6  | 49          | VG7441GT+3008B | 68          | VG7441GT+3008D | 168          | VG7441GT+3008E |
| VG7441LT                                                          | 3/4   | 7.3  | 29          | VG7441LT+3008B | 41          | VG7441LT+3008D | 100          | VG7441LT+3008E |
| VG7441NT                                                          | 1     | 11.6 | 17          | VG7441NT+3008B | 25          | VG7441NT+3008D | 65           | VG7441NT+3008E |
| VG7441PT                                                          | 1-1/4 | 18.5 | 10          | VG7441PT+3008B | 14          | VG7441PT+3008D | 37           | VG7441PT+3008E |
| VG7441RT                                                          | 1-1/2 | 28.9 | 6           | VG7441RT+3008B | 9           | VG7441RT+3008D | 23           | VG7441RT+3008E |
| VG7441ST                                                          | 2     | 46.2 | 4           | VG7441ST+3008B | 6           | VG7441ST+3008D | 14           | VG7441ST+3008E |
| THREE-WAY MIXING – NPT END CONNECTIONS                            |       |      |             |                |             |                |              |                |
| VG7842CT                                                          | 1/2   | 0.73 | 365/100     | VG7842CT+3008B | 339/142     | VG7842CT+3008D | 191/348      | VG7842CT+3008E |
| VG7842ET                                                          | 1/2   | 1.8  | 365/100     | VG7842ET+3008B | 339/142     | VG7842ET+3008D | 191/348      | VG7842ET+3008E |
| VG7842GT                                                          | 1/2   | 4.6  | 225/49      | VG7842GT+3008B | 192/68      | VG7842GT+3008D | 108/168      | VG7842GT+3008E |
| VG7842LT                                                          | 3/4   | 7.3  | 144/29      | VG7842LT+3008B | 122/41      | VG7842LT+3008D | 69/100       | VG7842LT+3008E |
| VG7842NT                                                          | 1     | 11.6 | 90/17       | VG7842NT+3008B | 76/25       | VG7842NT+3008D | 42/65        | VG7842NT+3008E |
| VG7842PT                                                          | 1-1/4 | 18.5 | 55/10       | VG7842PT+3008B | 47/14       | VG7842PT+3008D | 26/37        | VG7842PT+3008E |
| VG7842RT                                                          | 1-1/2 | 28.9 | 35/6        | VG7842RT+3008B | 30/9        | VG7842RT+3008D | 16/23        | VG7842RT+3008E |
| VG7842ST                                                          | 2     | 46.2 | 22/4        | VG7842ST+3008B | 19/6        | VG7842ST+3008D | 11/14        | VG7842ST+3008E |

To specify a pneumatic positioner on the above code numbers add a "P" to the end of the code number.  
Example: VG7241CT+3008B would become VG7241CT+3008BP



# VG7000 Series Globe Valves



## V-3000-8003 SERIES SPRING RETURN PNEUMATIC ACTUATORS (ENCLOSED SPRING)

- Available in brass trim
- Controls – hot water, chilled water, glycol solutions and steam
- Meets requirements of ASME B16.15 class 250
- Long life replaceable ring packing provides highest reliability and longest life
- Every valve tested for tight shut-off
- Fluid temperature range – 35 to 284°F (2 to 140°C)
- Steam pressure – 15 psig saturated steam
- Effective diaphragm area 8 square inches
- No positioner available



### V-3000-8003 ENCLOSED SPRING PNEUMATIC ACTUATORS

| SPRING RANGE                                                      |       |      | 3 TO 6 PSIG |                | 4 TO 8 PSIG |                | 9 TO 13 PSIG |                |
|-------------------------------------------------------------------|-------|------|-------------|----------------|-------------|----------------|--------------|----------------|
| VALVE                                                             | SIZE  | Cv   | CLOSEOFF    | CODE NUMBER    | CLOSEOFF    | CODE NUMBER    | CLOSEOFF     | CODE NUMBER    |
| TWO-WAY PUSH-DOWN-TO-CLOSE (NORMALLY OPEN) – NPT END CONNECTIONS  |       |      |             |                |             |                |              |                |
| VG7241CT                                                          | 1/2   | 0.73 | 365         | VG7241CT+3003B | 339         | VG7241CT+3003D | 191          | VG7241CT+3003E |
| VG7241ET                                                          | 1/2   | 1.8  | 365         | VG7241ET+3003B | 339         | VG7241ET+3003D | 191          | VG7241ET+3003E |
| VG7241GT                                                          | 1/2   | 4.6  | 225         | VG7241GT+3003B | 192         | VG7241GT+3003D | 108          | VG7241GT+3003E |
| VG7241LT                                                          | 3/4   | 7.3  | 144         | VG7241LT+3003B | 122         | VG7241LT+3003D | 69           | VG7241LT+3003E |
| VG7241NT                                                          | 1     | 11.6 | 90          | VG7241NT+3003B | 76          | VG7241NT+3003D | 42           | VG7241NT+3003E |
| VG7241PT                                                          | 1-1/4 | 18.5 | 55          | VG7241PT+3003B | 47          | VG7241PT+3003D | 26           | VG7241PT+3003E |
| VG7241RT                                                          | 1-1/2 | 28.9 | 35          | VG7241RT+3003B | 30          | VG7241RT+3003D | 16           | VG7241RT+3003E |
| VG7241ST                                                          | 2     | 46.2 | 22          | VG7241ST+3003B | 19          | VG7241ST+3003D | 11           | VG7241ST+3003E |
| TWO-WAY PUSH-DOWN-TO-OPEN (NORMALLY CLOSED) – NPT END CONNECTIONS |       |      |             |                |             |                |              |                |
| VG7441CT                                                          | 1/2   | 0.73 | 100         | VG7441CT+3003B | 142         | VG7441CT+3003D | 348          | VG7441CT+3003E |
| VG7441ET                                                          | 1/2   | 1.8  | 100         | VG7441ET+3003B | 142         | VG7441ET+3003D | 348          | VG7441ET+3003E |
| VG7441GT                                                          | 1/2   | 4.6  | 49          | VG7441GT+3003B | 68          | VG7441GT+3003D | 168          | VG7441GT+3003E |
| VG7441LT                                                          | 3/4   | 7.3  | 29          | VG7441LT+3003B | 41          | VG7441LT+3003D | 100          | VG7441LT+3003E |
| VG7441NT                                                          | 1     | 11.6 | 17          | VG7441NT+3003B | 25          | VG7441NT+3003D | 65           | VG7441NT+3003E |
| VG7441PT                                                          | 1-1/4 | 18.5 | 10          | VG7441PT+3003B | 14          | VG7441PT+3003D | 37           | VG7441PT+3003E |
| VG7441RT                                                          | 1-1/2 | 28.9 | 6           | VG7441RT+3003B | 9           | VG7441RT+3003D | 23           | VG7441RT+3003E |
| VG7441ST                                                          | 2     | 46.2 | 4           | VG7441ST+3003B | 6           | VG7441ST+3003D | 14           | VG7441ST+3003E |
| THREE-WAY MIXING – NPT END CONNECTIONS                            |       |      |             |                |             |                |              |                |
| VG7842CT                                                          | 1/2   | 0.73 | 365/100     | VG7842CT+3003B | 339/142     | VG7842CT+3003D | 191/348      | VG7842CT+3003E |
| VG7842ET                                                          | 1/2   | 1.8  | 365/100     | VG7842ET+3003B | 339/142     | VG7842ET+3003D | 191/348      | VG7842ET+3003E |
| VG7842GT                                                          | 1/2   | 4.6  | 225/49      | VG7842GT+3003B | 192/68      | VG7842GT+3003D | 108/168      | VG7842GT+3003E |
| VG7842LT                                                          | 3/4   | 7.3  | 144/29      | VG7842LT+3003B | 122/41      | VG7842LT+3003D | 69/100       | VG7842LT+3003E |
| VG7842NT                                                          | 1     | 11.6 | 90/17       | VG7842NT+3003B | 76/25       | VG7842NT+3003D | 42/65        | VG7842NT+3003E |
| VG7842PT                                                          | 1-1/4 | 18.5 | 55/10       | VG7842PT+3003B | 47/14       | VG7842PT+3003D | 26/37        | VG7842PT+3003E |
| VG7842RT                                                          | 1-1/2 | 28.9 | 35/6        | VG7842RT+3003B | 30/9        | VG7842RT+3003D | 16/23        | VG7842RT+3003E |
| VG7842ST                                                          | 2     | 46.2 | 22/4        | VG7842ST+3003B | 19/6        | VG7842ST+3003D | 11/14        | VG7842ST+3003E |

No pneumatic positioner is available for the above enclosed actuators.