

## BV2C and BV2N-Series - 2 Way, 3-Piece Sanitary Ball Valve



1/2" to 2"



2-1/2" to 4"

### Features

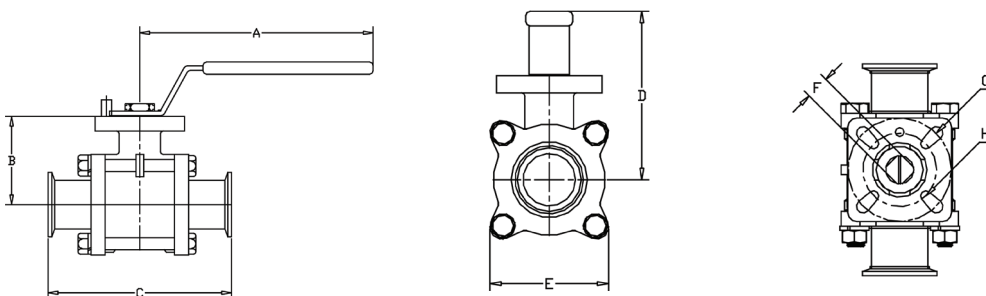
- Live-loaded stem packing
- Precision stainless steel balls reduce torque and friction losses while extending seat life
- Integral ISO 5211 mounting pad
- I.D. polish is 32 Ra maximum
- Lockable handle can prevent accidental actuation
- Standard internal entry blowout-proof stem design
- Full port design matches ball and seat ports to tube I.D. for lower pressure drop and less turbulent flow
- Compact design for areas with tight space restrictions
- Identification tagging available
- Balanced construction minimizes cold flow

### Materials

- Product contact material: CF8M stainless steel
- Seats: virgin PTFE, 15% glass reinforced PTFE (RTFE), 25% carbon reinforced PTFE, 50% stainless steel reinforced PTFE, and UHMW

### Specifications

- Maximum pressure rating: 1/2" - 2" **1000 PSI WOG**, 2-1/2" - 4" **800 PSI WOG**
- For valve seat options, call Dixon Sanitary at 800.789.1718



| Size   | Dimensions |        |        |        |        |        |        |        |
|--------|------------|--------|--------|--------|--------|--------|--------|--------|
|        | A (in)     | B (in) | C (in) | D (in) | E (in) | F (mm) | G (mm) | H (mm) |
| 1/2"   | 4.9        | 1.5    | 4.3    | 3.1    | 2.0    | 9      | 42     | 36     |
| 3/4"   | 4.9        | 1.8    | 4.7    | 3.4    | 2.2    | 9      | 42     | 36     |
| 1"     | 5.4        | 2.1    | 4.9    | 3.6    | 2.4    | 11     | 50     | 42     |
| 1-1/2" | 9.3        | 2.7    | 5.6    | 4.4    | 3.2    | 14     | 70     | 50     |
| 2"     | 9.3        | 3.1    | 6.4    | 4.7    | 3.8    | 14     | 70     | 50     |
| 2-1/2" | 18.0       | 3.8    | 7.8    | 5.2    | 4.9    | 17     | 102    | 70     |
| 3"     | 18.3       | 4.2    | 9.0    | 5.7    | 5.4    | 17     | 102    | 70     |
| 4"     | 18.3       | 5.3    | 9.6    | 6.9    | 8.7    | 22     | 125    | 102    |

| Size   | Non-Encapsulated                             |                                       |                                                  |                                              |                                            |
|--------|----------------------------------------------|---------------------------------------|--------------------------------------------------|----------------------------------------------|--------------------------------------------|
|        | 316 Stainless Steel<br>Virgin PTFE<br>Part # | 316 Stainless Steel<br>RTFE<br>Part # | 316 Stainless Steel<br>25%<br>Carbon PTFE Part # | 316 Stainless Steel<br>50% SS PTFE<br>Part # | 316 Stainless Steel<br>with UHMW<br>Part # |
| 1/2"   | BV2NV-050CC-A                                | BV2NG-050CC-A                         | BV2NC-050CC-A                                    | BV2NS-050CC-A                                | BV2NU-050CC-A                              |
| 3/4"   | BV2NV-075CC-A                                | BV2NG-075CC-A                         | BV2NC-075CC-A                                    | BV2NS-075CC-A                                | BV2NU-075CC-A                              |
| 1"     | BV2NV-100CC-A                                | BV2NG-100CC-A                         | BV2NC-100CC-A                                    | BV2NS-100CC-A                                | BV2NU-100CC-A                              |
| 1-1/2" | BV2NV-150CC-A                                | BV2NG-150CC-A                         | BV2NC-150CC-A                                    | BV2NS-150CC-A                                | BV2NU-150CC-A                              |
| 2"     | BV2NV-200CC-A                                | BV2NG-200CC-A                         | BV2NC-200CC-A                                    | BV2NS-200CC-A                                | BV2NU-200CC-A                              |
| 2-1/2" | BV2NV-250CC-A                                | BV2NG-250CC-A                         | BV2NC-250CC-A                                    | BV2NS-250CC-A                                | BV2NU-250CC-A                              |
| 3"     | BV2NV-300CC-A                                | BV2NG-300CC-A                         | BV2NC-300CC-A                                    | BV2NS-300CC-A                                | BV2NU-300CC-A                              |
| 4"     | BV2NV-400CC-A                                | BV2NG-400CC-A                         | BV2NC-400CC-A                                    | BV2NS-400CC-A                                | BV2NU-400CC-A                              |

| Size   | Encapsulated                                 |                                       |                                                  |                                              |                                            |
|--------|----------------------------------------------|---------------------------------------|--------------------------------------------------|----------------------------------------------|--------------------------------------------|
|        | 316 Stainless Steel<br>Virgin PTFE<br>Part # | 316 Stainless Steel<br>RTFE<br>Part # | 316 Stainless Steel<br>25%<br>Carbon PTFE Part # | 316 Stainless Steel<br>50% SS PTFE<br>Part # | 316 Stainless Steel<br>with UHMW<br>Part # |
| 1/2"   | BV2CV-050CC-A                                | BV2CG-050CC-A                         | BV2CC-050CC-A                                    | BV2CS-050CC-A                                | BV2CU-050CC-A                              |
| 3/4"   | BV2CV-075CC-A                                | BV2CG-075CC-A                         | BV2CC-075CC-A                                    | BV2CS-075CC-A                                | BV2CU-075CC-A                              |
| 1"     | BV2CV-100CC-A                                | BV2CG-100CC-A                         | BV2CC-100CC-A                                    | BV2CS-100CC-A                                | BV2CU-100CC-A                              |
| 1-1/2" | BV2CV-150CC-A                                | BV2CG-150CC-A                         | BV2CC-150CC-A                                    | BV2CS-150CC-A                                | BV2CU-150CC-A                              |
| 2"     | BV2CV-200CC-A                                | BV2CG-200CC-A                         | BV2CC-200CC-A                                    | BV2CS-200CC-A                                | BV2CU-200CC-A                              |
| 2-1/2" | BV2CV-250CC-A                                | BV2CG-250CC-A                         | BV2CC-250CC-A                                    | BV2CS-250CC-A                                | BV2CU-250CC-A                              |
| 3"     | BV2CV-300CC-A                                | BV2CG-300CC-A                         | BV2CC-300CC-A                                    | BV2CS-300CC-A                                | BV2CU-300CC-A                              |
| 4"     | BV2CV-400CC-A                                | BV2CG-400CC-A                         | BV2CC-400CC-A                                    | BV2CS-400CC-A                                | BV2CU-400CC-A                              |