



**Double Containment Product**  
**Ball Check Valve Box With Valve**

**Ball Check Valve Box With Valve**



DC Ball Valve Boxes are made from a standard Spears® Tee fitting in designated material and Schedule selected, which is fitted with Carrier pipe size Ball Valve and bushed to specified Containment size. Includes Containment Valve Box fitting with threaded Access Plug, True Union 2000 Industrial Ball Valve with Lockout

Double Containment Design & Installation Guide for proper installation.

**General Installation Information:** Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow. While Valve Boxes include Centralizers for valve, additional Centralizers are used inside the Containment piping system installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

True Union 2000 Industrial Ball Check Valve Specifications, Sizes 1/2" - 2":

|            |                                  |                                       |
|------------|----------------------------------|---------------------------------------|
| Material:  | PVC/CPVC                         | Maximum Service Temperature           |
| Seats:     | PTFE                             | PVC = 140°F (60°C)                    |
| Seals:     | EPDM/FKM                         | CPVC = 200°F (93°C)                   |
| PR, Water: | 235 psi @ 73°F (23°C), 1/2" - 2" | Temperature/Pressure De-ratings Apply |

All Valves assembled with Silicone-Free, Water Soluble Lubricant

**Valve Box, with PVC True Union 2000 Industrial Ball Check Valve  
PVC Sch 40 x PVC Sch 40**

| Size           | EPDM                            | FKM                             | Std Pk | Mstr Pk | Prod Code |
|----------------|---------------------------------|---------------------------------|--------|---------|-----------|
| <b>1/2X2</b>   | VBC2-A005-A020<br><b>331.61</b> | VBC3-A005-A020<br><b>339.00</b> | 1      | 4       | 470       |
| <b>3/4X3</b>   | VBC2-A007-A030<br><b>343.14</b> | VBC3-A007-A030<br><b>351.21</b> | 1      | 4       | 470       |
| <b>1X3</b>     | VBC2-A010-A030<br><b>357.22</b> | VBC3-A010-A030<br><b>366.67</b> | 1      | 0       | 470       |
| <b>1-1/2X4</b> | VBC2-A015-A040<br><b>629.17</b> | VBC3-A015-A040<br><b>644.40</b> | 1      | 3       | 470       |
| <b>2X4</b>     | VBC2-A020-A040<br><b>681.56</b> | VBC3-A020-A040<br><b>702.68</b> | 1      | 3       | 470       |

**Valve Box, with PVC True Union 2000 Industrial Ball Check Valve  
PVC Sch 40 x PVC Sch 40 Clear**

| Size           | EPDM                             | FKM                              | Std Pk | Mstr Pk | Prod Code |
|----------------|----------------------------------|----------------------------------|--------|---------|-----------|
| <b>1/2X2</b>   | VBC2-A005-G020<br><b>1456.65</b> | VBC3-A005-G020<br><b>1462.99</b> | 1      | 4       | 470       |
| <b>3/4X3</b>   | VBC2-A007-G030<br><b>1467.93</b> | VBC3-A007-G030<br><b>1475.99</b> | 1      | 4       | 470       |
| <b>1X3</b>     | VBC2-A010-G030<br><b>1482.01</b> | VBC3-A010-G030<br><b>1491.48</b> | 1      | 3       | 470       |
| <b>1-1/2X4</b> | VBC2-A015-G040<br><b>2669.99</b> | VBC3-A015-G040<br><b>2685.24</b> | 1      | 3       | 470       |

**Valve Box, with PVC True Union 2000 Industrial Ball Check Valve  
PVC Sch 40 x PVC Sch 40 Clear (continued)**

| Size       | EPDM                             | FKM                              | Std Pk | Mstr Pk | Prod Code |
|------------|----------------------------------|----------------------------------|--------|---------|-----------|
| <b>2X4</b> | VBC2-A020-G040<br><b>2722.25</b> | VBC3-A020-G040<br><b>2743.37</b> | 1      | 3       | 470       |

**Valve Box, with PVC True Union 2000 Industrial Ball Check Valve  
PVC Sch 80 x PVC Sch 40**

| Size           | EPDM                            | FKM                             | Std Pk | Mstr Pk | Prod Code |
|----------------|---------------------------------|---------------------------------|--------|---------|-----------|
| <b>1/2X2</b>   | VBC2-B005-A020<br><b>349.78</b> | VBC3-B005-A020<br><b>357.19</b> | 1      | 4       | 470       |
| <b>3/4X3</b>   | VBC2-B007-A030<br><b>365.66</b> | VBC3-B007-A030<br><b>373.73</b> | 1      | 4       | 470       |
| <b>1X3</b>     | VBC2-B010-A030<br><b>379.24</b> | VBC3-B010-A030<br><b>381.32</b> | 1      | 3       | 470       |
| <b>1-1/2X4</b> | VBC2-B015-A040<br><b>656.14</b> | VBC3-B015-A040<br><b>671.35</b> | 1      | 3       | 470       |
| <b>2X4</b>     | VBC2-B020-A040<br><b>708.82</b> | VBC3-B020-A040<br><b>729.94</b> | 1      | 3       | 470       |

**Valve Box, with PVC True Union 2000 Industrial Ball Check Valve  
PVC Sch 80 x PVC Sch 40 Clear**

| Size           | EPDM                             | FKM                              | Std Pk | Mstr Pk | Prod Code |
|----------------|----------------------------------|----------------------------------|--------|---------|-----------|
| <b>1/2X2</b>   | VBC2-B005-G020<br><b>1468.72</b> | VBC3-B005-G020<br><b>1476.13</b> | 1      | 0       | 470       |
| <b>3/4X3</b>   | VBC2-B007-G030<br><b>1484.59</b> | VBC3-B007-G030<br><b>1492.66</b> | 1      | 4       | 470       |
| <b>1X3</b>     | VBC2-B010-G030<br><b>1498.18</b> | VBC3-B010-G030<br><b>671.35</b>  | 1      | 3       | 470       |
| <b>1-1/2X4</b> | VBC2-B015-G040<br><b>2696.97</b> | VBC3-B015-G040<br><b>2712.19</b> | 1      | 3       | 470       |
| <b>2X4</b>     | VBC2-B020-G040<br><b>2749.55</b> | VBC3-B020-G040<br><b>1140.59</b> | 1      | 3       | 470       |

**Valve Box, with PVC True Union 2000 Industrial Ball Check Valve  
PVC Sch 80 x PVC Sch 80**

| Size           | EPDM                             | FKM                              | Std Pk | Mstr Pk | Prod Code |
|----------------|----------------------------------|----------------------------------|--------|---------|-----------|
| <b>1/2X2</b>   | VBC2-B005-B020<br><b>693.36</b>  | VBC3-B005-B020<br><b>699.97</b>  | 1      | 0       | 470       |
| <b>3/4X3</b>   | VBC2-B007-B030<br><b>709.22</b>  | VBC3-B007-B030<br><b>717.29</b>  | 1      | 4       | 470       |
| <b>1X3</b>     | VBC2-B010-B030<br><b>722.80</b>  | VBC3-B010-B030<br><b>508.94</b>  | 1      | 3       | 470       |
| <b>1-1/2X4</b> | VBC2-B015-B040<br><b>1066.69</b> | VBC3-B015-B040<br><b>1081.93</b> | 1      | 3       | 470       |
| <b>2X4</b>     | VBC2-B020-B040<br><b>1119.45</b> | VBC3-B020-B040<br><b>1140.57</b> | 1      | 0       | 470       |

**Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve  
CPVC Sch 80 x PVC Sch 40**

| Size         | EPDM                            | FKM                             | Std Pk | Mstr Pk | Prod Code |
|--------------|---------------------------------|---------------------------------|--------|---------|-----------|
| <b>1/2X2</b> | VBC2-C005-A020<br><b>384.26</b> | VBC3-C005-A020<br><b>394.01</b> | 1      | 4       | 470       |

**Ball Check Valve Box With Valve & Diaphragm Valve Box With Valve**



**Ball Check Valve Box With Valve**

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x PVC Sch 40 (continued)

| Size    | EPDM                     | FKM                      | Std Pk | Mstr Pk | Prod Code |
|---------|--------------------------|--------------------------|--------|---------|-----------|
| 3/4X3   | VBC2-C007-A030<br>406.61 | VBC3-C007-A030<br>418.07 | 1      | 4       | 470       |
| 1X3     | VBC2-C010-A030<br>434.03 | VBC3-C010-A030<br>445.46 | 1      | 3       | 470       |
| 1-1/2X4 | VBC2-C015-A040<br>778.18 | VBC3-C015-A040<br>801.18 | 1      | 4       | 470       |
| 2X4     | VBC2-C020-A040<br>856.42 | VBC3-C020-A040<br>888.25 | 1      | 4       | 470       |

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x PVC Sch 80

| Size    | EPDM                      | FKM                       | Std Pk | Mstr Pk | Prod Code |
|---------|---------------------------|---------------------------|--------|---------|-----------|
| 1/2X2   | VBC2-C005-B020<br>721.98  | VBC3-C005-B020<br>731.72  | 1      | 4       | 470       |
| 3/4X3   | VBC2-C007-B030<br>744.34  | VBC3-C007-B030<br>755.78  | 1      | 4       | 470       |
| 1X3     | VBC2-C010-B030<br>769.87  | VBC3-C010-B030<br>783.35  | 1      | 3       | 470       |
| 1-1/2X4 | VBC2-C015-B040<br>1107.42 | VBC3-C015-B040<br>1130.41 | 1      | 3       | 470       |
| 2X4     | VBC2-C020-B040<br>1191.56 | VBC3-C020-B040<br>1223.40 | 1      | 0       | 470       |

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x CPVC Sch 80

| Size    | EPDM                      | FKM                       | Std Pk | Mstr Pk | Prod Code |
|---------|---------------------------|---------------------------|--------|---------|-----------|
| 1/2X2   | VBC2-C005-C020<br>1143.23 | VBC3-C005-C020<br>1152.98 | 1      | 0       | 470       |
| 3/4X3   | VBC2-C007-C030<br>1165.73 | VBC3-C007-C030<br>1177.18 | 1      | 4       | 470       |
| 1X3     | VBC2-C010-C030<br>1191.12 | VBC3-C010-C030<br>1204.59 | 1      | 4       | 470       |
| 1-1/2X4 | VBC2-C015-C040<br>2070.75 | VBC3-C015-C040<br>2093.76 | 1      | 3       | 470       |
| 2X4     | VBC2-C020-C040<br>2146.05 | VBC3-C020-C040<br>2177.91 | 1      | 3       | 470       |

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x PVC Sch 40 Clear

| Size    | EPDM                      | FKM                       | Std Pk | Mstr Pk | Prod Code |
|---------|---------------------------|---------------------------|--------|---------|-----------|
| 1/2X2   | VBC2-C005-G020<br>1467.00 | VBC3-C005-G020<br>1476.73 | 1      | 4       | 470       |
| 3/4X3   | VBC2-C007-G030<br>1519.86 | VBC3-C007-G030<br>1531.32 | 1      | 4       | 470       |
| 1X3     | VBC2-C010-G030<br>1545.24 | VBC3-C010-G030<br>1558.71 | 1      | 3       | 470       |
| 1-1/2X4 | VBC2-C015-G040<br>2787.53 | VBC3-C015-G040<br>2810.52 | 1      | 4       | 470       |
| 2X4     | VBC2-C020-G040<br>2865.75 | VBC3-C020-G040<br>2897.61 | 1      | 4       | 470       |

Made in the U.S.A.

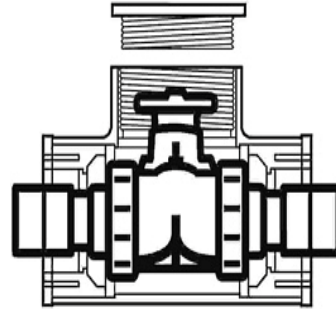
Suitable for Oil-Free air handling to 25 psi, not for distribution of compressed air or gas

Effective 06/26/2017 See MSRP-1 Sheet or Check Spears® On-line Catalog @ www.spearsmfg.com for Pricing

Valve Box, with CPVC True Union 2000 Industrial Ball Check Valve

CPVC Sch 80 x PVC Sch 40 Clear (continued)

**Diaphragm Valve Box With Valve**



**Diaphragm Valve Box With Valve**

DC Diaphragm Valve Boxes are made from a standard Spears® Tee fitting in designated material and Schedule selected, which is fitted with Carrier pipe size Diaphragm Valve and bushed to specified Containment size. Includes Containment Valve Box fitting with threaded Access Plug, True Union Diaphragm Valve and

Centralizers for positioning valve in box. Carrier valves are equipped with extenders to facilitate cement assembly. See *Double Containment Design & Installation Guide* for proper installation.

**General Installation Information:** Ball check valves may be installed in either horizontal or vertical position. A minimum of ten (10) pipe diameters' distance maintained from any pump or other source of turbulence. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of flow. While Valve Boxes include Centralizers for valve, additional Centralizers are used inside the Containment piping system installed on Carrier pipe and must be ordered separately according to same Carrier x Containment size and pipe schedule selected.

True Union Diaphragm Valve Specifications, Sizes 1/2" - 2":

|            |                                  |                             |
|------------|----------------------------------|-----------------------------|
| Material:  | PVC/CPVC                         | Maximum Service Temperature |
| Seals:     | EPDM/FKM                         | PVC = 140°F (60°C)          |
|            |                                  | CPVC = 200°F (93°C)         |
| PR, Water: | 235 psi @ 73°F (23°C), 1/2" - 2" | Temperature/Pressure        |
|            |                                  | De-ratings Apply            |

All Valves assembled with Silicone-Free, Water Soluble Lubricant

**Valve Box, with PVC True Union Diaphragm Valve  
PVC Sch 40 x PVC Sch 40**

| Size    | EPDM                      | FKM                       | Std Pk | Mstr Pk | Prod Code |
|---------|---------------------------|---------------------------|--------|---------|-----------|
| 1/2X2   | VBD20-A005-A020<br>421.78 | VBD30-A005-A020<br>437.60 | 1      | 0       | 470       |
| 3/4X3   | VBD20-A007-A030<br>441.39 | VBD30-A007-A030<br>459.34 | 1      | 0       | 470       |
| 1X3     | VBD20-A010-A030<br>479.92 | VBD30-A010-A030<br>499.58 | 1      | 0       | 470       |
| 1-1/2X4 | VBD20-A015-A040<br>818.27 | VBD30-A015-A040<br>867.27 | 1      | 0       | 470       |
| 2X4     | VBD20-A020-A040<br>877.42 | VBD30-A020-A040<br>946.06 | 1      | 0       | 470       |