



# PART 2

## Thermoplastic Valves, Strainers & Accessories

# Butterfly, Gate, Globe, Needle & Diaphragm Valves



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PRICE SCHEDULE: V-1-0910  
Part 2

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Quality Systems Certificate No. 293  
Corporate Facilities, Sylmar, CA  
Assessed to ISO 9001: 2008

**2010 EDITION**

## HOW TO USE THIS CATALOG

This catalog Price Schedule has been divided into the four (4) parts listed below for convenience of use according to product type. A complete listing of content for all parts 1 through 4 is located on the following pages.

**Part 1: Ball Valves**

**Part 2: Gate, Globe, Butterfly, Needle & Diaphragm Valves**

**Part 3: Check Valves**

**Part 4: Y-Pattern Valves, Strainers, Filters & Gauge Guards**

Information has been arranged for easy use in selection of desired products according to product type and configuration options with packaging and pricing information. Individual product dimensions, features and technical data can be found in Spears® Thermoplastic Valves & Accessories Product Guide & Engineering Specifications Publication V-4 and Spears® Actuated Thermoplastic Valves Product Guide & Engineering Specifications Publication AV-4 for electric and pneumatic valve actuation package specifications.

## ORGANIZATION

Product types are identified in the Page Heading. While variations exist in format, the typical page layout groups product types in columns by Valve Material with subsections by End Connector option, then sorted in rows by Size. For each row according to valve Size, the part number is located under the O-ring Material column (i.e. EPDM, Viton®) with the List Price in bold print immediately below the part number, followed by packaging and discount code information. Additional technical information and options are listed in the margins.

## COLUMN HEADER INFORMATION

Each product column header identifies the following particulars for the selected valve material and end connector option. Again, variations exist according to product type and configurations.

|                                   |  |
|-----------------------------------|--|
| Size                              | The nominal diameter of the pipe with which the valve is to be used.   |
| Seal Type<br>(i.e., EPDM, Viton®) | Designated elastomer seal (O-ring, Seat, Diaphragm, etc.)<br><b>NOTE: Part Number and List Price are typically specified under the seal type columns.</b><br>Certain products may have other column header designations under which part number and pricing are specified in a similar manner. |
| Standard Pack (Std Pk)            | The quantity of parts packaged in an individual box or bag.  |
| Master Pack (Mstr Pk)             | The total quantity of parts contained in a single packaging of multiple Standard Packs.  |
| Discount Codes                    | Identification code for applicable discounts to the product's list price. Note: this is a Product Group code and NOT a calculation of discount. Discount codes are not the same for all products contained in this price schedule.   |

## PRODUCT ILLUSTRATIONS

Photographic illustrations are general representations of valves in a group, but may not be an exact depiction of all configurations listed.

## EXAMPLE

Typical Presentation  
Photo



Socket Style

Pressure Rating  
@ 73°F (23°C) Water

|           |         |
|-----------|---------|
| 1/2" - 4" | 235 psi |
| 6" - 8"   | 150 psi |
| Flanged   | 150 psi |

Maximum Service Temperature  
PVC=140°F (60°C)  
CPVC=200°F (93°C)

Temperature/Pressure  
De-ratings Apply

Technical Data

Product Type  
(Page Heading)

### True Union 2000 Industrial Ball Valves

|               |                |                   |                   |        |         |             |
|---------------|----------------|-------------------|-------------------|--------|---------|-------------|
| Material      | PVC Industrial |                   |                   |        |         |             |
|               | Size           | EPDM              | Viton®            | Std Pk | Mstr Pk | Disc Code   |
| End Connector | Socket Ends    |                   |                   |        |         | Part Number |
|               | 1/2            | 1829-005<br>XX.XX | 1829-005<br>XX.XX | 1      | 18      | 101         |
|               |                | Price             |                   |        |         |             |

## CONFIGURATION DESCRIPTIONS

Definitions of abbreviated configuration descriptions follow.

|      |  |
|------|--|
| Fipt | Female Iron Pipe Thread                  |
| IPS  | Iron Pipe Size                           |
| Mipt | Male Iron Pipe Thread                    |
| Soc  | Solvent Weld Socket (IPS)                |
| Spig | Spigot End (IPS)                         |
| SR   | Special Reinforced Plastic Female Thread |
| SS   | Stainless Steel                          |

## DISCOUNT CODES

|     |  |
|-----|--|
| 004 | Miscellaneous Specialty Valves PVC CPVC                          |
| 026 | PVC Utility Swing & Spring Check Valves thru 8"                  |
| 055 | PVC Backwater Valves   |
| 102 | PVC Gray Y-Strainers   |
| 103 | PVC Clear Y-Strainers  |
| 104 | CPVC Gray Y-Strainers  |
| 108 | PVC Swing Check Valves 3/4" - 2"                                 |
| 109 | CPVC Swing Check Valves 3/4" - 2"                                |
| 110 | PVC Swing Check Valves 2-1/2" & Larger                           |
| 111 | CPVC Swing Check Valves 2-1/2" & Larger                          |
| 112 | PP Swing Check Valves 2-1/2" & Larger                            |
| 113 | PP Swing Check Valves 3/4" - 2"                                  |
| 200 | Gate Valves PVC thru 2"  |
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| 202 | Gate Valves CPVC thru 2"   |
| 203 | Gate Valves CPVC 2-1/2" & Larger                                 |
| 210 | Compact Ball Valves PVC thru 2"                                  |
| 211 | Compact Ball Valves PVC 3", 4" & 6"                              |
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| 215 | Utility Ball Valves PVC thru 2"                                  |
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| 218 | Lab & Needle Valves PVC  |
| 219 | Lab & Needle Valves CPVC & PP                                    |
| 220 | PVC True Union Ball Check Valve thru 4"                          |
| 221 | PVC True Union Ball Check Valve 6" & Larger                      |
| 222 | CPVC True Union Ball Check Valves thru 4"                        |
| 223 | CPVC True Union Ball Check Valves 6" & Larger                    |
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| 231 | PVC True Union Ball Valve 6" & Larger                            |
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| 252 | CPVC Butterfly Valves thru 12"                                   |
| 253 | CPVC Butterfly Valves 14" & Larger                               |
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| 256 | Butterfly Valves PP thru 12"                                     |
| 257 | Butterfly Valves PP 14" & Larger                                 |
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| 281 | Diaphragm Valves PP 2-1/2" & Larger                              |
| 289 | Butterfly Check Valves PVC thru 12"                              |
| 290 | Butterfly Check Valves CPVC thru 12"                             |
| 295 | T-Filter & Basket Strainer PVC 3" thru 12"                       |
| 296 | T-Filters CPVC   |
| 297 | T-Filter & Basket Strainer CPVC 3" thru 12"                      |
| 299 | Valve Accessories, Repair Kits, Components                       |
| 558 | PVC True Union 2000 Industrial Ball Check Valves 6"              |
| 559 | CPVC True Union 2000 Industrial Ball Check Valves 6"             |
| 600 | PVC True Union 2000 Industrial Ball Valves 1/2" thru 2"          |
| 601 | PVC True Union 2000 Industrial Ball Valves 2-1/2" thru 4"        |
| 602 | CPVC True Union 2000 Industrial Ball Valves 1/2" thru 2"         |
| 603 | CPVC True Union 2000 Industrial Ball Valves 2-1/2" thru 4"       |
| 604 | PVC True Union 2000 Industrial Ball Check Valves 1/2" thru 2"    |
| 605 | PVC True Union 2000 Industrial Ball Check Valves 2-1/2" thru 4"  |
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| 609 | PVC True Union 2000 Standard Ball Valves 2-1/2" thru 4"          |
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| CPVC True Union Y-Strainers.....  | 13  |
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# Gate Valves

## PVC

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Threaded Ends

|       |                    |                    |                    |    |   |     |
|-------|--------------------|--------------------|--------------------|----|---|-----|
| 1/2   | 2011-005<br>22.98  | 2021-005<br>25.22  | 2031-005<br>27.78  | 12 | 0 | 200 |
| 3/4   | 2011-007<br>28.10  | 2021-007<br>30.93  | 2031-007<br>32.56  | 12 | 0 | 200 |
| 1     | 2011-010<br>33.31  | 2021-010<br>36.68  | 2031-010<br>40.38  | 12 | 0 | 200 |
| 1-1/4 | 2011-012<br>46.06  | 2021-012<br>50.68  | 2031-012<br>55.72  | 6  | 0 | 200 |
| 1-1/2 | 2011-015<br>58.77  | 2021-015<br>65.29  | 2031-015<br>71.10  | 6  | 0 | 200 |
| 2     | 2011-020<br>75.48  | 2021-020<br>83.10  | 2031-020<br>91.35  | 6  | 0 | 200 |
| 2-1/2 | 2011-025<br>417.31 | 2021-025<br>459.03 | 2031-025<br>504.95 | 1  | 0 | 201 |

### SR Threaded Ends

|   |                      |                      |                       |   |   |     |
|---|----------------------|----------------------|-----------------------|---|---|-----|
| 3 | 2011-030SR<br>417.31 | 2021-030SR<br>459.03 | 2031-030SR<br>504.95  | 1 | 0 | 201 |
| 4 | 2011-040SR<br>818.94 | 2021-040SR<br>909.94 | 2031-040SR<br>1000.90 | 1 | 0 | 201 |

### Socket Ends

|       |                    |                    |                     |    |   |     |
|-------|--------------------|--------------------|---------------------|----|---|-----|
| 1/2   | 2012-005<br>22.98  | 2022-005<br>25.22  | 2032-005<br>27.78   | 12 | 0 | 200 |
| 3/4   | 2012-007<br>28.10  | 2022-007<br>30.93  | 2032-007<br>32.56   | 12 | 0 | 200 |
| 1     | 2012-010<br>33.31  | 2022-010<br>36.68  | 2032-010<br>40.38   | 12 | 0 | 200 |
| 1-1/4 | 2012-012<br>46.06  | 2022-012<br>50.68  | 2032-012<br>55.72   | 6  | 0 | 200 |
| 1-1/2 | 2012-015<br>58.77  | 2022-015<br>65.29  | 2032-015<br>71.10   | 6  | 0 | 200 |
| 2     | 2012-020<br>75.48  | 2022-020<br>83.10  | 2032-020<br>91.35   | 6  | 0 | 200 |
| 2-1/2 | 2012-025<br>417.31 | 2022-025<br>459.03 | 2032-025<br>504.95  | 1  | 0 | 201 |
| 3     | 2012-030<br>417.31 | 2022-030<br>459.03 | 2032-030<br>504.95  | 1  | 0 | 201 |
| 4     | 2012-040<br>818.94 | 2022-040<br>909.94 | 2032-040<br>1000.90 | 1  | 0 | 201 |

### Flanged Ends

|       |                     |                     |                     |   |   |     |
|-------|---------------------|---------------------|---------------------|---|---|-----|
| 1/2   | 2013-005<br>111.27  | 2023-005<br>126.18  | 2033-005<br>144.62  | 4 | 0 | 200 |
| 3/4   | 2013-007<br>125.20  | 2023-007<br>141.68  | 2033-007<br>161.65  | 4 | 0 | 200 |
| 1     | 2013-010<br>137.48  | 2023-010<br>155.31  | 2033-010<br>178.37  | 4 | 0 | 200 |
| 1-1/4 | 2013-012<br>154.86  | 2023-012<br>177.79  | 2033-012<br>211.00  | 3 | 0 | 200 |
| 1-1/2 | 2013-015<br>180.76  | 2023-015<br>206.33  | 2033-015<br>242.40  | 3 | 0 | 200 |
| 2     | 2013-020<br>232.66  | 2023-020<br>244.45  | 2033-020<br>261.70  | 2 | 0 | 200 |
| 2-1/2 | 2013-025<br>521.62  | 2023-025<br>698.41  | 2033-025<br>768.24  | 1 | 0 | 201 |
| 3     | 2013-030<br>521.62  | 2023-030<br>698.41  | 2033-030<br>768.24  | 1 | 0 | 201 |
| 4     | 2013-040<br>1026.74 | 2023-040<br>1140.88 | 2033-040<br>1254.97 | 1 | 0 | 201 |



1/2" - 2" Socket/Threaded Style



2-1/2" - 3" Socket Style



4" Socket Style

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Gate Valves



## CPVC

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Threaded Ends

|       |                     |                     |                     |    |   |     |
|-------|---------------------|---------------------|---------------------|----|---|-----|
| 1/2   | 2011-005C<br>67.26  | 2021-005C<br>74.70  | 2031-005C<br>82.21  | 12 | 0 | 202 |
| 3/4   | 2011-007C<br>72.73  | 2021-007C<br>80.79  | 2031-007C<br>88.88  | 12 | 0 | 202 |
| 1     | 2011-010C<br>79.72  | 2021-010C<br>88.59  | 2031-010C<br>97.41  | 12 | 0 | 202 |
| 1-1/4 | 2011-012C<br>140.02 | 2021-012C<br>155.60 | 2031-012C<br>171.16 | 6  | 0 | 202 |
| 1-1/2 | 2011-015C<br>153.05 | 2021-015C<br>170.53 | 2031-015C<br>187.60 | 6  | 0 | 202 |
| 2     | 2011-020C<br>177.07 | 2021-020C<br>196.71 | 2031-020C<br>216.38 | 6  | 0 | 202 |
| 2-1/2 | 2011-025C<br>659.34 | 2021-025C<br>711.49 | 2031-025C<br>772.59 | 1  | 0 | 203 |

### SR Threaded Ends

|   |                        |                        |                        |   |   |     |
|---|------------------------|------------------------|------------------------|---|---|-----|
| 3 | 2011-030CSR<br>885.28  | 2021-030CSR<br>983.37  | 2031-030CSR<br>1092.65 | 1 | 0 | 203 |
| 4 | 2011-040CSR<br>1593.47 | 2021-040CSR<br>1770.50 | 2031-040CSR<br>1967.22 | 1 | 0 | 203 |

### Socket Ends

|       |                      |                      |                      |    |   |     |
|-------|----------------------|----------------------|----------------------|----|---|-----|
| 1/2   | 2012-005C<br>67.26   | 2022-005C<br>74.70   | 2032-005C<br>82.21   | 12 | 0 | 202 |
| 3/4   | 2012-007C<br>72.73   | 2022-007C<br>80.79   | 2032-007C<br>88.88   | 12 | 0 | 202 |
| 1     | 2012-010C<br>79.72   | 2022-010C<br>88.59   | 2032-010C<br>97.41   | 12 | 0 | 202 |
| 1-1/4 | 2012-012C<br>140.02  | 2022-012C<br>155.60  | 2032-012C<br>171.16  | 6  | 0 | 202 |
| 1-1/2 | 2012-015C<br>153.05  | 2022-015C<br>170.53  | 2032-015C<br>187.60  | 6  | 0 | 202 |
| 2     | 2012-020C<br>177.07  | 2022-020C<br>196.71  | 2032-020C<br>216.38  | 6  | 0 | 202 |
| 2-1/2 | 2012-025C<br>659.34  | 2022-025C<br>711.49  | 2032-025C<br>772.59  | 1  | 0 | 203 |
| 3     | 2012-030C<br>885.28  | 2022-030C<br>983.37  | 2032-030C<br>1092.65 | 1  | 0 | 203 |
| 4     | 2012-040C<br>1593.47 | 2022-040C<br>1770.50 | 2032-040C<br>1967.22 | 1  | 0 | 203 |

### Flanged Ends

|       |                      |                      |                      |   |   |     |
|-------|----------------------|----------------------|----------------------|---|---|-----|
| 1/2   | 2013-005C<br>301.37  | 2023-005C<br>334.81  | 2033-005C<br>368.26  | 4 | 0 | 202 |
| 3/4   | 2013-007C<br>325.82  | 2023-007C<br>361.98  | 2033-007C<br>398.19  | 4 | 0 | 202 |
| 1     | 2013-010C<br>357.07  | 2023-010C<br>396.82  | 2033-010C<br>436.49  | 4 | 0 | 202 |
| 1-1/4 | 2013-012C<br>482.93  | 2023-012C<br>536.82  | 2033-012C<br>590.50  | 3 | 0 | 202 |
| 1-1/2 | 2013-015C<br>527.48  | 2023-015C<br>588.37  | 2033-015C<br>647.13  | 3 | 0 | 202 |
| 2     | 2013-020C<br>610.82  | 2023-020C<br>678.67  | 2033-020C<br>746.56  | 2 | 0 | 202 |
| 2-1/2 | 2013-025C<br>798.07  | 2023-025C<br>1054.63 | 2033-025C<br>1183.10 | 1 | 0 | 203 |
| 3     | 2013-030C<br>1106.57 | 2023-030C<br>1229.53 | 2033-030C<br>1366.16 | 1 | 0 | 203 |
| 4     | 2013-040C<br>1991.84 | 2023-040C<br>2213.15 | 2033-040C<br>2459.07 | 1 | 0 | 203 |

Pressure Rating @ 73°F (23°C), Water

|             |         |
|-------------|---------|
| 1/2" - 2"   | 200 psi |
| 2-1/2" - 3" | 150 psi |
| 4"          | 235 psi |
| Flanged     | 150 psi |

Maximum Service Temperature

|                     |
|---------------------|
| PVC = 140°F (60°C)  |
| CPVC = 200°F (93°C) |

Temperature/Pressure De-ratings Apply

PP Gate-Wedge on PVC Valves  
CPVC Gate-Wedge on CPVC Valve

All Valves Assembled with Silicone-Free,  
Water Soluble Lubricant

See Gate Valve Accessories & Repair Kits  
Section for Additional Options and Features

NOT FOR USE WITH COMPRESSED AIR OR GAS



# Plug Gate Valves

## PVC Socket Ends

| Size  | Buna-N            | EPDM              | Viton®            | Std Pk | Mstr Pk | Disc Code |
|-------|-------------------|-------------------|-------------------|--------|---------|-----------|
| 1/2   | 5212-005<br>22.98 | 5222-005<br>25.22 | 5232-005<br>27.78 | 12     | 0       | 200       |
| 3/4   | 5212-007<br>28.10 | 5222-007<br>30.93 | 5232-007<br>32.56 | 12     | 0       | 200       |
| 1     | 5212-010<br>33.31 | 5222-010<br>36.68 | 5232-010<br>40.38 | 12     | 0       | 200       |
| 1-1/4 | 5212-012<br>46.06 | 5222-012<br>50.68 | 5232-012<br>55.72 | 6      | 0       | 200       |
| 1-1/2 | 5212-015<br>58.77 | 5222-015<br>65.29 | 5232-015<br>71.10 | 6      | 0       | 200       |
| 2     | 5212-020<br>75.48 | 5222-020<br>83.10 | 5232-020<br>91.35 | 6      | 0       | 200       |



## PVC SR Threaded Ends

| Size  | Buna-N              | EPDM                | Viton®               | Std Pk | Mstr Pk | Disc Code |
|-------|---------------------|---------------------|----------------------|--------|---------|-----------|
| 1/2   | 5211-005SR<br>25.57 | 5221-005SR<br>27.84 | 5231-005SR<br>30.35  | 12     | 0       | 200       |
| 3/4   | 5211-007SR<br>31.85 | 5221-007SR<br>34.68 | 5231-007SR<br>36.31  | 12     | 0       | 200       |
| 1     | 5211-010SR<br>38.48 | 5221-010SR<br>41.86 | 5231-010SR<br>45.54  | 12     | 0       | 200       |
| 1-1/4 | 5211-012SR<br>54.36 | 5221-012SR<br>58.98 | 5231-012SR<br>64.03  | 6      | 0       | 200       |
| 1-1/2 | 5211-015SR<br>72.99 | 5221-015SR<br>79.51 | 5231-015SR<br>85.29  | 6      | 0       | 200       |
| 2     | 5211-020SR<br>90.88 | 5221-020SR<br>98.47 | 5231-020SR<br>106.77 | 6      | 0       | 200       |

Pressure Rating @ 73°F (23°C), Water

1/2" - 2"      235 psi  
Flanged      150 psi

Maximum Service Temperature

PVC = 140°F (60°C)  
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

Plug-Style PE Wedge on All Valves

Rated for Vacuum Service

All Valves Assembled with Silicone-Free,  
Water Soluble Lubricants

## PVC Flanged Ends

| Size  | Buna-N             | EPDM                | Viton®              | Std Pk | Mstr Pk | Disc Code |
|-------|--------------------|---------------------|---------------------|--------|---------|-----------|
| 1/2   | 5213-005<br>111.27 | 5223-005<br>126.18  | 5233-005<br>144.62  | 4      | 0       | 200       |
| 3/4   | 5213-007<br>125.20 | 5223-007<br>141.68  | 5233-007<br>161.65  | 4      | 0       | 200       |
| 1     | 5213-010<br>137.48 | 5223-010<br>155.31  | 5233-010<br>178.37  | 4      | 0       | 200       |
| 1-1/4 | 5213-012<br>154.86 | 5223-012<br>177.79  | 5233-012<br>211.00  | 3      | 0       | 200       |
| 1-1/2 | 5213-015<br>180.76 | 5223-015<br>206.33  | 5233-015<br>242.40  | 3      | 0       | 200       |
| 2     | 5213-020<br>232.66 | 5223-020<br>244.45  | 5233-020<br>261.70  | 2      | 0       | 200       |
| 6     | ---                | 5223-060<br>2183.90 | 5233-060<br>2845.45 | 1      | 0       | 201       |

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Plug Gate Valves



## CPVC Socket Ends

| Size  | Buna-N              | EPDM                | Viton®              | Std Pk | Mstr Pk | Disc Code |
|-------|---------------------|---------------------|---------------------|--------|---------|-----------|
| 1/2   | 5212-005C<br>67.26  | 5222-005C<br>74.70  | 5232-005C<br>82.21  | 12     | 0       | 202       |
| 3/4   | 5212-007C<br>72.73  | 5222-007C<br>80.79  | 5232-007C<br>88.88  | 12     | 0       | 202       |
| 1     | 5212-010C<br>79.72  | 5222-010C<br>88.59  | 5232-010C<br>97.41  | 12     | 0       | 202       |
| 1-1/4 | 5212-012C<br>140.02 | 5222-012C<br>155.60 | 5232-012C<br>171.16 | 6      | 0       | 202       |
| 1-1/2 | 5212-015C<br>153.05 | 5222-015C<br>170.53 | 5232-015C<br>187.60 | 6      | 0       | 202       |
| 2     | 5212-020C<br>177.07 | 5222-020C<br>196.71 | 5232-020C<br>216.38 | 6      | 0       | 202       |

## CPVC SR Threaded Ends

| Size  | Buna-N                | EPDM                  | Viton®                | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|-----------------------|-----------------------|--------|---------|-----------|
| 1/2   | 5211-005CSR<br>69.86  | 5221-005CSR<br>77.31  | 5231-005CSR<br>84.81  | 12     | 0       | 202       |
| 3/4   | 5211-007CSR<br>76.47  | 5221-007CSR<br>84.53  | 5231-007CSR<br>92.65  | 12     | 0       | 202       |
| 1     | 5211-010CSR<br>84.90  | 5221-010CSR<br>93.74  | 5231-010CSR<br>102.61 | 12     | 0       | 202       |
| 1-1/4 | 5211-012CSR<br>148.30 | 5221-012CSR<br>163.88 | 5231-012CSR<br>179.47 | 6      | 0       | 202       |
| 1-1/2 | 5211-015CSR<br>161.36 | 5221-015CSR<br>178.80 | 5231-015CSR<br>195.87 | 6      | 0       | 202       |
| 2     | 5211-020CSR<br>192.50 | 5221-020CSR<br>212.13 | 5231-020CSR<br>231.80 | 6      | 0       | 202       |

## CPVC Flanged Ends

| Size  | Buna-N              | EPDM                 | Viton®               | Std Pk | Mstr Pk | Disc Code |
|-------|---------------------|----------------------|----------------------|--------|---------|-----------|
| 1/2   | 5213-005C<br>301.37 | 5223-005C<br>334.81  | 5233-005C<br>368.26  | 4      | 0       | 202       |
| 3/4   | 5213-007C<br>325.82 | 5223-007C<br>361.98  | 5233-007C<br>398.19  | 4      | 0       | 202       |
| 1     | 5213-010C<br>357.07 | 5223-010C<br>396.82  | 5233-010C<br>436.49  | 4      | 0       | 202       |
| 1-1/4 | 5213-012C<br>482.93 | 5223-012C<br>536.82  | 5233-012C<br>589.89  | 3      | 0       | 202       |
| 1-1/2 | 5213-015C<br>527.48 | 5223-015C<br>588.37  | 5233-015C<br>647.13  | 3      | 0       | 202       |
| 2     | 5213-020C<br>610.82 | 5223-020C<br>678.67  | 5233-020C<br>746.56  | 2      | 0       | 202       |
| 6     | ---                 | 5223-060C<br>2839.04 | 5233-060C<br>3699.15 | 1      | 0       | 203       |

NOT FOR USE WITH COMPRESSED AIR OR GAS

Made in the U.S.A.

Progressive Products from Spears® Innovation and Technology

Page 4



# Gate Valve Accessories & Repair Kits



## 2" Operator Nuts

| Part Number           | Size             | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-----------------------|------------------|--------|----------|-----------|------------|
| GTN-005 <sup>1</sup>  | 1/2, 3/4 & 1     | 10     | 60       | 299       | 40.99      |
| GTN-012 <sup>2</sup>  | 1-1/4, 1-1/2 & 2 | 10     | 60       | 299       | 61.47      |
| PGTN-012 <sup>3</sup> | 1-1/4, 1-1/2 & 2 | 10     | 60       | 299       | 61.47      |
| GTN-030               | 3                | 10     | 80       | 299       | 102.47     |
| GTN-040               | 4                | 10     | 60       | 299       | 102.47     |

1 - GTN-005 fits Standard & Plug Style Gate Valves  
 2 - GTN-012 fits Standard Gate Valves Only  
 3 - PGTN-012 fits Plug Style Gate Valves Only

## Regular Gate Valve O-ring Repair Kits

| Size          | Buna-N              | EPDM                | Viton®              | Std Pk | Mstr Pk | Disc Code |
|---------------|---------------------|---------------------|---------------------|--------|---------|-----------|
| 1/2           | GT-BRK-005<br>6.35  | GT-ERK-005<br>7.37  | GT-VRK-005<br>12.61 | 1      | 10      | 299       |
| 3/4           | GT-BRK-007<br>6.35  | GT-ERK-007<br>7.37  | GT-VRK-007<br>12.61 | 1      | 10      | 299       |
| 1             | GT-BRK-010<br>6.60  | GT-ERK-010<br>8.56  | GT-VRK-010<br>13.90 | 1      | 10      | 299       |
| 1-1/4 & 1-1/2 | GT-BRK-015<br>7.84  | GT-ERK-015<br>12.31 | GT-VRK-015<br>23.23 | 1      | 10      | 299       |
| 2             | GT-BRK-020<br>8.46  | GT-ERK-020<br>12.87 | GT-VRK-020<br>23.93 | 1      | 10      | 299       |
| 2-1/2 & 3     | GT-BRK-030<br>9.72  | GT-ERK-030<br>13.94 | GT-VRK-030<br>26.13 | 1      | 10      | 299       |
| 4             | GT-BRK-040<br>10.26 | GT-ERK-040<br>14.85 | GT-VRK-040<br>30.73 | 1      | 10      | 299       |

1/2" - 2" Kit includes:

- 1-Stem O-ring
- 1-Bonnet O-Ring
- 1-Stem Bushing
- 1-Stem Washer

2-1/2" - 3" Kit includes:

- 1-Stem O-ring
- 1-Seal Carrier O-ring
- 1-Stem Bushing
- 1-Stem Washer

4" Kit includes:

- 1-Stem O-ring
- 1-Bonnet O-ring
- 1-Stem Bushing

## Plug Gate Valve O-ring Repair Kits

| Size             | Buna-N              | EPDM                | Viton®              | Std Pk | Mstr Pk | Disc Code |
|------------------|---------------------|---------------------|---------------------|--------|---------|-----------|
| 1/2, 3/4 & 1     | PGT-BRK-010<br>3.18 | PGT-ERK-010<br>3.43 | PGT-VRK-010<br>6.50 | 1      | 10      | 299       |
| 1-1/4, 1-1/2 & 2 | PGT-BRK-020<br>3.88 | PGT-ERK-020<br>4.53 | PGT-VRK-020<br>7.65 | 1      | 10      | 299       |

1/2" - 2" Kit includes:

- 1-Stem O-ring
- 1-Bonnet O-Ring

## PVC Plug Gate Valve Internal Replacement Cartridge

| Size             | Buna-N            | EPDM                | Viton®              | Std Pk | Mstr Pk | Disc Code |
|------------------|-------------------|---------------------|---------------------|--------|---------|-----------|
| 1/2, 3/4 & 1     | 5210-010<br>20.17 | 5220-010<br>22.18   | 5230-010<br>24.37   | 1      | 10      | 299       |
| 1-1/4, 1-1/2 & 2 | 5210-020<br>40.48 | 5220-020<br>44.51   | 5230-020<br>48.97   | 1      | 4       | 299       |
| 6                | ---               | 5220-060<br>1390.03 | 5230-060<br>1810.60 | 1      | 0       | 299       |

## CPVC Plug Gate Valve Internal Replacement Cartridge

| Size             | Buna-N              | EPDM                 | Viton®               | Std Pk | Mstr Pk | Disc Code |
|------------------|---------------------|----------------------|----------------------|--------|---------|-----------|
| 1/2, 3/4 & 1     | 5210-010C<br>59.07  | 5220-010C<br>65.63   | 5230-010C<br>72.21   | 1      | 10      | 299       |
| 1-1/4, 1-1/2 & 2 | 5210-020C<br>122.99 | 5220-020C<br>136.65  | 5230-020C<br>150.34  | 1      | 4       | 299       |
| 6                | ---                 | 5220-060C<br>1806.52 | 5230-060C<br>2353.82 | 1      | 0       | 299       |

Internal Replacement Cartridge includes complete, fully assembled Handle/Nut, Stem/O-ring, Bonnet/O-ring, and Gate for direct insertion into existing valve Body.

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

# Globe Valves



Pressure Rating @ 73°F (23°C), Water

2-1/2" - 6" 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free,  
Water Soluble Lubricant

Suitable for Vacuum Service

Internal Repair Kit includes 1-Bonnet O-ring along with a factory assembled (required) internal component replacement unit consisting of Bonnet assembled with Stem/O-rings, Seat & Seal Carrier components. Install in valve using existing valve Bolts/Nuts/Washers, and Handle/Nut.

## PVC Flanged Ends

| Size  | Buna-N              | EPDM                | Viton®              | Std Pk | Mstr Pk | Disc Code |
|-------|---------------------|---------------------|---------------------|--------|---------|-----------|
| 2-1/2 | 6013-025<br>577.86  | 6023-025<br>611.54  | 6033-025<br>658.81  | 1      | 0       | 620       |
| 3     | 6013-030<br>662.40  | 6023-030<br>691.74  | 6033-030<br>769.81  | 1      | 0       | 620       |
| 4     | 6013-040<br>751.49  | 6023-040<br>898.36  | 6033-040<br>987.12  | 1      | 0       | 620       |
| 6     | 6013-060<br>1155.72 | 6023-060<br>1381.97 | 6033-060<br>1409.51 | 1      | 0       | 620       |

## CPVC Flanged Ends

| Size  | EPDM                 | Viton®               | Std Pk | Mstr Pk | Disc Code |
|-------|----------------------|----------------------|--------|---------|-----------|
| 2-1/2 | 6023-025C<br>927.20  | 6033-025C<br>973.79  | 1      | 0       | 622       |
| 3     | 6023-030C<br>973.34  | 6033-030C<br>1082.02 | 1      | 0       | 622       |
| 4     | 6023-040C<br>1264.14 | 6033-040C<br>1389.64 | 1      | 0       | 622       |
| 6     | 6023-060C<br>1968.31 | 6033-060C<br>1984.96 | 1      | 0       | 622       |

## PVC Internal Repair Kit

| Size  | Buna-N               | EPDM                 | Viton®               | Std Pk | Mstr Pk | Disc Code |
|-------|----------------------|----------------------|----------------------|--------|---------|-----------|
| 2-1/2 | GL-BRK-025<br>192.23 | GL-ERK-025<br>464.95 | GL-VRK-025<br>517.13 | 1      | 0       | 299       |
| 3     | GL-BRK-030<br>214.23 | GL-ERK-030<br>515.16 | GL-VRK-030<br>574.20 | 1      | 0       | 299       |
| 4     | GL-BRK-040<br>251.35 | GL-ERK-040<br>604.11 | GL-VRK-040<br>664.20 | 1      | 0       | 299       |
| 6     | GL-BRK-060<br>547.67 | GL-ERK-060<br>928.30 | GL-VRK-060<br>947.30 | 1      | 0       | 299       |

## CPVC Internal Repair Kits

| Size  | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|------------------------|--------|---------|-----------|
| 2-1/2 | GL-ERK-025C<br>654.71  | GL-VRK-025C<br>727.47  | 1      | 0       | 299       |
| 3     | GL-ERK-030C<br>748.96  | GL-VRK-030C<br>822.46  | 1      | 0       | 299       |
| 4     | GL-ERK-040C<br>849.24  | GL-VRK-040C<br>934.62  | 1      | 0       | 299       |
| 6     | GL-ERK-060C<br>1212.97 | GL-VRK-060C<br>1334.74 | 1      | 0       | 299       |



# High Purity TFM-Lined Butterfly Valves

## TFM-Lined

| Part Number | Size | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------|--------|----------|-----------|------------|
|-------------|------|--------|----------|-----------|------------|

### Viton® O-ring Seal

|            |   |   |   |     |         |
|------------|---|---|---|-----|---------|
| 253322-020 | 2 | 1 | 0 | 254 | 2736.71 |
| 253322-030 | 3 | 1 | 0 | 254 | 2991.45 |
| 253322-040 | 4 | 1 | 0 | 254 | 3831.62 |
| 253322-060 | 6 | 1 | 0 | 254 | 5128.95 |



Pressure Rating @ 73°F (23°C), Water  
2" - 6" 150 psi

Maximum Service Temperature  
200°F (93°C)

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

# Butterfly Valves



Lever Handle Style



Gear Operator Style

## PVC

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                      |                      |                       |   |   |     |
|-------|----------------------|----------------------|-----------------------|---|---|-----|
| 1-1/2 | 721311-015<br>266.60 | 722311-015<br>266.60 | 723311-015<br>556.62  | 1 | 0 | 250 |
| 2     | 721311-020<br>277.20 | 722311-020<br>277.20 | 723311-020<br>573.66  | 1 | 0 | 250 |
| 2-1/2 | 721311-025<br>294.29 | 722311-025<br>294.29 | 723311-025<br>582.20  | 1 | 0 | 250 |
| 3     | 721311-030<br>298.57 | 722311-030<br>298.57 | 723311-030<br>592.87  | 1 | 0 | 250 |
| 4     | 721311-040<br>345.51 | 722311-040<br>345.51 | 723311-040<br>742.16  | 1 | 0 | 250 |
| 6     | 721311-060<br>511.84 | 722311-060<br>511.84 | 723311-060<br>1185.74 | 1 | 0 | 250 |
| 8     | 721311-080<br>870.11 | 722311-080<br>870.11 | 723311-080<br>2008.94 | 1 | 0 | 250 |

### Gear Operator

|       |                       |                       |                       |   |   |     |
|-------|-----------------------|-----------------------|-----------------------|---|---|-----|
| 1-1/2 | 721321-015<br>774.13  | 722321-015<br>774.13  | 723321-015<br>983.15  | 1 | 0 | 250 |
| 2     | 721321-020<br>784.83  | 722321-020<br>784.83  | 723321-020<br>1002.35 | 1 | 0 | 250 |
| 2-1/2 | 721321-025<br>795.45  | 722321-025<br>795.45  | 723321-025<br>1040.71 | 1 | 0 | 250 |
| 3     | 721321-030<br>808.28  | 722321-030<br>808.28  | 723321-030<br>1100.46 | 1 | 0 | 250 |
| 4     | 721321-040<br>848.79  | 722321-040<br>848.79  | 723321-040<br>1245.46 | 1 | 0 | 250 |
| 6     | 721321-060<br>1019.43 | 722321-060<br>1019.43 | 723321-060<br>1693.31 | 1 | 0 | 250 |
| 8     | 721321-080<br>1377.67 | 722321-080<br>1377.67 | 723321-080<br>2516.52 | 1 | 0 | 250 |
| 10    | 721321-100<br>1863.89 | 722321-100<br>1863.89 | 723321-100<br>4111.68 | 1 | 0 | 250 |
| 12    | 721321-120<br>2567.68 | 722321-120<br>2567.68 | 723321-120<br>5907.41 | 1 | 0 | 250 |

### Valve Only

|       |                       |                       |                       |   |   |     |
|-------|-----------------------|-----------------------|-----------------------|---|---|-----|
| 1-1/2 | 721301-015<br>232.47  | 722301-015<br>232.47  | 723301-015<br>486.22  | 1 | 0 | 250 |
| 2     | 721301-020<br>258.03  | 722301-020<br>258.03  | 723301-020<br>509.70  | 1 | 0 | 250 |
| 2-1/2 | 721301-025<br>266.60  | 722301-025<br>266.60  | 723301-025<br>526.74  | 1 | 0 | 250 |
| 3     | 721301-030<br>272.99  | 722301-030<br>272.99  | 723301-030<br>537.41  | 1 | 0 | 250 |
| 4     | 721301-040<br>315.63  | 722301-040<br>315.63  | 723301-040<br>673.90  | 1 | 0 | 250 |
| 6     | 721301-060<br>477.69  | 722301-060<br>477.69  | 723301-060<br>1091.91 | 1 | 0 | 250 |
| 8     | 721301-080<br>827.48  | 722301-080<br>827.48  | 723301-080<br>1842.59 | 1 | 0 | 250 |
| 10    | 721301-100<br>1659.17 | 722301-100<br>1659.17 | 723301-100<br>3689.44 | 1 | 0 | 250 |
| 12    | 721301-120<br>2141.16 | 722301-120<br>2141.16 | 723301-120<br>5267.59 | 1 | 0 | 250 |



# Butterfly Valves

## CPVC

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721311-015C<br>356.16  | 722311-015C<br>356.16  | 723311-015C<br>720.84  | 1 | 0 | 252 |
| 2     | 721311-020C<br>379.60  | 722311-020C<br>379.60  | 723311-020C<br>744.30  | 1 | 0 | 252 |
| 2-1/2 | 721311-025C<br>403.09  | 722311-025C<br>403.09  | 723311-025C<br>808.28  | 1 | 0 | 252 |
| 3     | 721311-030C<br>439.33  | 722311-030C<br>439.33  | 723311-030C<br>865.84  | 1 | 0 | 252 |
| 4     | 721311-040C<br>507.59  | 722311-040C<br>507.59  | 723311-040C<br>1083.37 | 1 | 0 | 252 |
| 6     | 721311-060C<br>750.70  | 722311-060C<br>750.70  | 723311-060C<br>1731.73 | 1 | 0 | 252 |
| 8     | 721311-080C<br>1275.31 | 722311-080C<br>1275.31 | 723311-080C<br>2930.26 | 1 | 0 | 252 |

Pressure Rating @ 73°F (23°C), Water  
1-1/2" - 12"     150 psi

### Gear Operator

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721321-015C<br>885.63  | 722321-015C<br>885.63  | 723321-015C<br>1209.41 | 1 | 0 | 252 |
| 2     | 721321-020C<br>915.46  | 722321-020C<br>915.46  | 723321-020C<br>1246.83 | 1 | 0 | 252 |
| 2-1/2 | 721321-025C<br>929.86  | 722321-025C<br>929.86  | 723321-025C<br>1310.23 | 1 | 0 | 252 |
| 3     | 721321-030C<br>942.62  | 722321-030C<br>942.62  | 723321-030C<br>1369.16 | 1 | 0 | 252 |
| 4     | 721321-040C<br>1010.87 | 722321-040C<br>1010.87 | 723321-040C<br>1586.69 | 1 | 0 | 252 |
| 6     | 721321-060C<br>1258.26 | 722321-060C<br>1258.26 | 723321-060C<br>2235.01 | 1 | 0 | 252 |
| 8     | 721321-080C<br>1778.60 | 722321-080C<br>1778.60 | 723321-080C<br>3433.56 | 1 | 0 | 252 |
| 10    | 721321-100C<br>2490.91 | 722321-100C<br>2490.91 | 723321-100C<br>6363.76 | 1 | 0 | 252 |
| 12    | 721321-120C<br>3518.83 | 722321-120C<br>3518.83 | 723321-120C<br>8272.46 | 1 | 0 | 252 |

Maximum Service Temperature

PVC = 140°F (60°C)  
CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

### Valve Only

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721301-015C<br>332.69  | 722301-015C<br>332.69  | 723301-015C<br>669.67  | 1 | 0 | 252 |
| 2     | 721301-020C<br>356.16  | 722301-020C<br>356.16  | 723301-020C<br>684.56  | 1 | 0 | 252 |
| 2-1/2 | 721301-025C<br>371.07  | 722301-025C<br>371.07  | 723301-025C<br>714.44  | 1 | 0 | 252 |
| 3     | 721301-030C<br>400.95  | 722301-030C<br>400.95  | 723301-030C<br>780.54  | 1 | 0 | 252 |
| 4     | 721301-040C<br>464.91  | 722301-040C<br>464.91  | 723301-040C<br>985.31  | 1 | 0 | 252 |
| 6     | 721301-060C<br>699.49  | 722301-060C<br>699.49  | 723301-060C<br>1590.93 | 1 | 0 | 252 |
| 8     | 721301-080C<br>1211.31 | 722301-080C<br>1211.31 | 723301-080C<br>2687.17 | 1 | 0 | 252 |
| 10    | 721301-100C<br>2422.68 | 722301-100C<br>2422.68 | 723301-100C<br>5387.04 | 1 | 0 | 252 |
| 12    | 721301-120C<br>3147.76 | 722301-120C<br>3147.76 | 723301-120C<br>7001.44 | 1 | 0 | 252 |

See Butterfly Valve  
Accessories & Repair Kits  
Section for Additional  
Options and Features

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Lug Butterfly Valves - Zinc Lug Inserts



## PVC - Zinc-Plated Lug Inserts

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721311K-015<br>424.56  | 722311K-015<br>424.56  | 723311K-015<br>607.11  | 1 | 0 | 250 |
| 2     | 721311K-020<br>434.03  | 722311K-020<br>434.03  | 723311K-020<br>630.11  | 1 | 0 | 250 |
| 2-1/2 | 721311K-025<br>459.72  | 722311K-025<br>459.72  | 723311K-025<br>650.37  | 1 | 0 | 250 |
| 3     | 721311K-030<br>466.49  | 722311K-030<br>466.49  | 723311K-030<br>687.69  | 1 | 0 | 250 |
| 4     | 721311K-040<br>819.38  | 722311K-040<br>819.38  | 723311K-040<br>1062.78 | 1 | 0 | 250 |
| 6     | 721311K-060<br>1072.23 | 722311K-060<br>1072.23 | 723311K-060<br>1519.80 | 1 | 0 | 250 |
| 8     | 721311K-080<br>1331.85 | 722311K-080<br>1331.85 | 723311K-080<br>2170.18 | 1 | 0 | 250 |

### Gear Operator

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721321K-015<br>884.30  | 722321K-015<br>884.30  | 723321K-015<br>1061.43 | 1 | 0 | 250 |
| 2     | 721321K-020<br>903.22  | 722321K-020<br>903.22  | 723321K-020<br>1080.35 | 1 | 0 | 250 |
| 2-1/2 | 721321K-025<br>946.49  | 722321K-025<br>946.49  | 723321K-025<br>1119.55 | 1 | 0 | 250 |
| 3     | 721321K-030<br>960.01  | 722321K-030<br>960.01  | 723321K-030<br>1150.66 | 1 | 0 | 250 |
| 4     | 721321K-040<br>1322.38 | 722321K-040<br>1322.38 | 723321K-040<br>1646.90 | 1 | 0 | 250 |
| 6     | 721321K-060<br>1632.03 | 722321K-060<br>1632.03 | 723321K-060<br>2180.99 | 1 | 0 | 250 |
| 8     | 721321K-080<br>1917.32 | 722321K-080<br>1917.32 | 723321K-080<br>2861.12 | 1 | 0 | 250 |
| 10    | 721321K-100<br>3389.79 | 722321K-100<br>3389.79 | 723321K-100<br>5427.46 | 1 | 0 | 250 |
| 12    | 721321K-120<br>3906.31 | 722321K-120<br>3906.31 | 723321K-120<br>6524.03 | 1 | 0 | 250 |

### Valve Only

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721301K-015<br>381.31  | 722301K-015<br>381.31  | 723301K-015<br>584.12  | 1 | 0 | 250 |
| 2     | 721301K-020<br>419.16  | 722301K-020<br>419.16  | 723301K-020<br>600.35  | 1 | 0 | 250 |
| 2-1/2 | 721301K-025<br>439.44  | 722301K-025<br>439.44  | 723301K-025<br>634.15  | 1 | 0 | 250 |
| 3     | 721301K-030<br>447.55  | 722301K-030<br>447.55  | 723301K-030<br>640.91  | 1 | 0 | 250 |
| 4     | 721301K-040<br>801.81  | 722301K-040<br>801.81  | 723301K-040<br>1039.79 | 1 | 0 | 250 |
| 6     | 721301K-060<br>1064.14 | 722301K-060<br>1064.14 | 723301K-060<br>1492.76 | 1 | 0 | 250 |
| 8     | 721301K-080<br>1307.50 | 722301K-080<br>1307.50 | 723301K-080<br>2140.43 | 1 | 0 | 250 |
| 10    | 721301K-100<br>2670.46 | 722301K-100<br>2670.46 | 723301K-100<br>4306.54 | 1 | 0 | 250 |
| 12    | 721301K-120<br>3078.80 | 722301K-120<br>3078.80 | 723301K-120<br>6164.36 | 1 | 0 | 250 |

Spears® Standard Butterfly Valve  
with Lug Inserts Factory Assembled

Note: Lug (insert) Valves require attention to flow direction for dead-end service. Flange must be installed on side of valve *opposite* the hex nut recesses for Single-Side installation. See "True Lug Butterfly Valves," where dead-end service is required in either direction.



Pressure Rating @ 73°F (23°C), Water

1-1/2" - 12" 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features. Lug Valves Use Same Accessories, Repair Kits, and Overhaul Kits as Standard Butterfly Valves

NOT FOR USE WITH COMPRESSED AIR OR GAS

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# Lug Butterfly Valves - Zinc Lug Inserts

## CPVC - Zinc-Plated Lug Inserts

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                         |                         |                         |   |   |     |
|-------|-------------------------|-------------------------|-------------------------|---|---|-----|
| 1-1/2 | 721311K-015C<br>553.01  | 722311K-015C<br>553.01  | 723311K-015C<br>770.71  | 1 | 0 | 252 |
| 2     | 721311K-020C<br>569.26  | 722311K-020C<br>569.26  | 723311K-020C<br>788.29  | 1 | 0 | 252 |
| 2-1/2 | 721311K-025C<br>577.36  | 722311K-025C<br>577.36  | 723311K-025C<br>807.23  | 1 | 0 | 252 |
| 3     | 721311K-030C<br>586.83  | 722311K-030C<br>586.83  | 723311K-030C<br>828.86  | 1 | 0 | 252 |
| 4     | 721311K-040C<br>1011.39 | 722311K-040C<br>1011.39 | 723311K-040C<br>1339.96 | 1 | 0 | 252 |
| 6     | 721311K-060C<br>1353.48 | 722311K-060C<br>1353.48 | 723311K-060C<br>1888.94 | 1 | 0 | 252 |
| 8     | 721311K-080C<br>1669.88 | 722311K-080C<br>1669.88 | 723311K-080C<br>2755.65 | 1 | 0 | 252 |

### Gear Operator

|       |                         |                         |                         |   |   |     |
|-------|-------------------------|-------------------------|-------------------------|---|---|-----|
| 1-1/2 | 721321K-015C<br>1089.83 | 722321K-015C<br>1089.83 | 723321K-015C<br>1350.77 | 1 | 0 | 252 |
| 2     | 721321K-020C<br>1110.11 | 722321K-020C<br>1110.11 | 723321K-020C<br>1380.52 | 1 | 0 | 252 |
| 2-1/2 | 721321K-025C<br>1124.97 | 722321K-025C<br>1124.97 | 723321K-025C<br>1402.15 | 1 | 0 | 252 |
| 3     | 721321K-030C<br>1133.10 | 722321K-030C<br>1133.10 | 723321K-030C<br>1437.31 | 1 | 0 | 252 |
| 4     | 721321K-040C<br>1684.74 | 722321K-040C<br>1684.74 | 723321K-040C<br>2074.16 | 1 | 0 | 252 |
| 6     | 721321K-060C<br>2055.24 | 722321K-060C<br>2055.24 | 723321K-060C<br>2759.70 | 1 | 0 | 252 |
| 8     | 721321K-080C<br>2414.90 | 722321K-080C<br>2414.90 | 723321K-080C<br>3788.67 | 1 | 0 | 252 |
| 10    | 721321K-100C<br>4244.34 | 722321K-100C<br>4244.34 | 723321K-100C<br>6806.62 | 1 | 0 | 252 |
| 12    | 721321K-120C<br>4882.55 | 722321K-120C<br>4882.55 | 723321K-120C<br>7469.17 | 1 | 0 | 252 |

### Valve Only

|       |                         |                         |                         |   |   |     |
|-------|-------------------------|-------------------------|-------------------------|---|---|-----|
| 1-1/2 | 721301K-015C<br>528.68  | 722301K-015C<br>528.68  | 723301K-015C<br>759.89  | 1 | 0 | 252 |
| 2     | 721301K-020C<br>547.62  | 722301K-020C<br>547.62  | 723301K-020C<br>777.48  | 1 | 0 | 252 |
| 2-1/2 | 721301K-025C<br>554.37  | 722301K-025C<br>554.37  | 723301K-025C<br>795.05  | 1 | 0 | 252 |
| 3     | 721301K-030C<br>562.48  | 722301K-030C<br>562.48  | 723301K-030C<br>804.51  | 1 | 0 | 252 |
| 4     | 721301K-040C<br>964.07  | 722301K-040C<br>964.07  | 723301K-040C<br>1308.86 | 1 | 0 | 252 |
| 6     | 721301K-060C<br>1337.26 | 722301K-060C<br>1337.26 | 723301K-060C<br>1875.40 | 1 | 0 | 252 |
| 8     | 721301K-080C<br>1636.07 | 722301K-080C<br>1636.07 | 723301K-080C<br>2944.96 | 1 | 0 | 252 |
| 10    | 721301K-100C<br>3337.05 | 722301K-100C<br>3337.05 | 723301K-100C<br>5604.59 | 1 | 0 | 252 |
| 12    | 721301K-120C<br>3849.51 | 722301K-120C<br>3849.51 | 723301K-120C<br>7302.86 | 1 | 0 | 252 |

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Lug Butterfly Valves - SS Lug Inserts



## PVC - SS Lug Inserts

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721311G-015<br>484.06  | 722311G-015<br>484.06  | 723311G-015<br>730.16  | 1 | 0 | 250 |
| 2     | 721311G-020<br>489.48  | 722311G-020<br>489.48  | 723311G-020<br>736.90  | 1 | 0 | 250 |
| 2-1/2 | 721311G-025<br>538.15  | 722311G-025<br>538.15  | 723311G-025<br>766.66  | 1 | 0 | 250 |
| 3     | 721311G-030<br>543.56  | 722311G-030<br>543.56  | 723311G-030<br>774.78  | 1 | 0 | 250 |
| 4     | 721311G-040<br>964.07  | 722311G-040<br>964.07  | 723311G-040<br>1249.36 | 1 | 0 | 250 |
| 6     | 721311G-060<br>1262.89 | 722311G-060<br>1262.89 | 723311G-060<br>1787.53 | 1 | 0 | 250 |
| 8     | 721311G-080<br>1560.35 | 722311G-080<br>1560.35 | 723311G-080<br>2552.83 | 1 | 0 | 250 |

### Gear Operator

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721321G-015<br>987.06  | 722321G-015<br>987.06  | 723321G-015<br>1239.90 | 1 | 0 | 250 |
| 2     | 721321G-020<br>999.22  | 722321G-020<br>999.22  | 723321G-020<br>1260.18 | 1 | 0 | 250 |
| 2-1/2 | 721321G-025<br>1051.96 | 722321G-025<br>1051.96 | 723321G-025<br>1316.98 | 1 | 0 | 250 |
| 3     | 721321G-030<br>1065.48 | 722321G-030<br>1065.48 | 723321G-030<br>1348.07 | 1 | 0 | 250 |
| 4     | 721321G-040<br>1553.60 | 722321G-040<br>1553.60 | 723321G-040<br>1934.90 | 1 | 0 | 250 |
| 6     | 721321G-060<br>1920.02 | 722321G-060<br>1920.02 | 723321G-060<br>2566.34 | 1 | 0 | 250 |
| 8     | 721321G-080<br>2255.35 | 722321G-080<br>2255.35 | 723321G-080<br>3277.56 | 1 | 0 | 250 |
| 10    | 721321G-100<br>3984.73 | 722321G-100<br>3984.73 | 723321G-100<br>6388.83 | 1 | 0 | 250 |
| 12    | 721321G-120<br>4593.19 | 722321G-120<br>4593.19 | 723321G-120<br>7942.41 | 1 | 0 | 250 |

### Valve Only

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721301G-015<br>466.49  | 722301G-015<br>466.49  | 723301G-015<br>692.30  | 1 | 0 | 250 |
| 2     | 721301G-020<br>475.94  | 722301G-020<br>475.94  | 723301G-020<br>712.57  | 1 | 0 | 250 |
| 2-1/2 | 721301G-025<br>519.21  | 722301G-025<br>519.21  | 723301G-025<br>727.45  | 1 | 0 | 250 |
| 3     | 721301G-030<br>527.32  | 722301G-030<br>527.32  | 723301G-030<br>753.14  | 1 | 0 | 250 |
| 4     | 721301G-040<br>945.14  | 722301G-040<br>945.14  | 723301G-040<br>1222.32 | 1 | 0 | 250 |
| 6     | 721301G-060<br>1252.07 | 722301G-060<br>1252.07 | 723301G-060<br>1753.71 | 1 | 0 | 250 |
| 8     | 721301G-080<br>1541.44 | 722301G-080<br>1541.44 | 723301G-080<br>2519.02 | 1 | 0 | 250 |
| 10    | 721301G-100<br>3139.65 | 722301G-100<br>3139.65 | 723301G-100<br>5063.72 | 1 | 0 | 250 |
| 12    | 721301G-120<br>3621.00 | 722301G-120<br>3621.00 | 723301G-120<br>6317.16 | 1 | 0 | 250 |

Spears® Standard Butterfly Valve  
with Lug Inserts Factory Assembled

Note: Lug (insert) Valves require attention to flow direction for dead-end service. Flange must be installed on side of valve *opposite* the hex nut recesses for Single-Side installation. See "True Lug Butterfly Valves," where dead-end service is required in either direction.



Pressure Rating @ 73°F (23°C), Water

1-1/2" - 12" 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features. Lug Valves Use Same Accessories, Repair Kits, and Overhaul Kits as Standard Butterfly Valves

NOT FOR USE WITH COMPRESSED AIR OR GAS

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# Lug Butterfly Valves - SS Lug Inserts

## CPVC - SS Lug Inserts

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                         |                         |                         |   |   |     |
|-------|-------------------------|-------------------------|-------------------------|---|---|-----|
| 1-1/2 | 721311G-015C<br>659.83  | 722311G-015C<br>659.83  | 723311G-015C<br>930.27  | 1 | 0 | 252 |
| 2     | 721311G-020C<br>667.95  | 722311G-020C<br>667.95  | 723311G-020C<br>942.43  | 1 | 0 | 252 |
| 2-1/2 | 721311G-025C<br>677.43  | 722311G-025C<br>677.43  | 723311G-025C<br>966.78  | 1 | 0 | 252 |
| 3     | 721311G-030C<br>690.94  | 722311G-030C<br>690.94  | 723311G-030C<br>976.23  | 1 | 0 | 252 |
| 4     | 721311G-040C<br>1234.50 | 722311G-040C<br>1234.50 | 723311G-040C<br>1581.98 | 1 | 0 | 252 |
| 6     | 721311G-060C<br>1611.73 | 722311G-060C<br>1611.73 | 723311G-060C<br>2281.04 | 1 | 0 | 252 |
| 8     | 721311G-080C<br>1997.10 | 722311G-080C<br>1997.10 | 723311G-080C<br>3268.10 | 1 | 0 | 252 |

### Gear Operator

|       |                         |                         |                         |   |   |     |
|-------|-------------------------|-------------------------|-------------------------|---|---|-----|
| 1-1/2 | 721321G-015C<br>1310.22 | 722321G-015C<br>1310.22 | 723321G-015C<br>1623.91 | 1 | 0 | 252 |
| 2     | 721321G-020C<br>1319.68 | 722321G-020C<br>1319.68 | 723321G-020C<br>1642.84 | 1 | 0 | 252 |
| 2-1/2 | 721321G-025C<br>1325.07 | 722321G-025C<br>1325.07 | 723321G-025C<br>1660.41 | 1 | 0 | 252 |
| 3     | 721321G-030C<br>1348.07 | 722321G-030C<br>1348.07 | 723321G-030C<br>1749.66 | 1 | 0 | 252 |
| 4     | 721321G-040C<br>1941.67 | 722321G-040C<br>1941.67 | 723321G-040C<br>2436.53 | 1 | 0 | 252 |
| 6     | 721321G-060C<br>1587.40 | 722321G-060C<br>2398.69 | 723321G-060C<br>3251.88 | 1 | 0 | 252 |
| 8     | 721321G-080C<br>2773.22 | 722321G-080C<br>2773.22 | 723321G-080C<br>4384.97 | 1 | 0 | 252 |
| 10    | 721321G-100C<br>5005.60 | 722321G-100C<br>5005.60 | 723321G-100C<br>8104.67 | 1 | 0 | 252 |
| 12    | 721321G-120C<br>5784.41 | 722321G-120C<br>5784.41 | 723321G-120C<br>9976.02 | 1 | 0 | 252 |

### Valve Only

|       |                         |                         |                         |   |   |     |
|-------|-------------------------|-------------------------|-------------------------|---|---|-----|
| 1-1/2 | 721301G-015C<br>624.68  | 722301G-015C<br>624.68  | 723301G-015C<br>908.64  | 1 | 0 | 252 |
| 2     | 721301G-020C<br>642.26  | 722301G-020C<br>642.26  | 723301G-020C<br>916.73  | 1 | 0 | 252 |
| 2-1/2 | 721301G-025C<br>649.03  | 722301G-025C<br>649.03  | 723301G-025C<br>945.14  | 1 | 0 | 252 |
| 3     | 721301G-030C<br>662.54  | 722301G-030C<br>662.54  | 723301G-030C<br>954.61  | 1 | 0 | 252 |
| 4     | 721301G-040C<br>1199.33 | 722301G-040C<br>1199.33 | 723301G-040C<br>1538.72 | 1 | 0 | 252 |
| 6     | 721301G-060C<br>1564.41 | 722301G-060C<br>1564.41 | 723301G-060C<br>2199.90 | 1 | 0 | 252 |
| 8     | 721301G-080C<br>1945.71 | 722301G-080C<br>1945.71 | 723301G-080C<br>3238.35 | 1 | 0 | 252 |
| 10    | 721301G-100C<br>3946.87 | 722301G-100C<br>3946.87 | 723301G-100C<br>6233.33 | 1 | 0 | 252 |
| 12    | 721301G-120C<br>4537.76 | 722301G-120C<br>4537.76 | 723301G-120C<br>7673.35 | 1 | 0 | 252 |

NOT FOR USE WITH COMPRESSED AIR OR GAS

# True Lug Butterfly Valves - Zinc Plated Lugs



## PVC - Zinc-Plated Lugs

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721311Z-015<br>605.91  | 722311Z-015<br>605.91  | 723311Z-015<br>868.84  | 1 | 0 | 250 |
| 2     | 721311Z-020<br>619.70  | 722311Z-020<br>619.70  | 723311Z-020<br>902.56  | 1 | 0 | 250 |
| 2-1/2 | 721311Z-025<br>656.36  | 722311Z-025<br>656.36  | 723311Z-025<br>931.54  | 1 | 0 | 250 |
| 3     | 721311Z-030<br>666.38  | 722311Z-030<br>666.38  | 723311Z-030<br>943.73  | 1 | 0 | 250 |
| 4     | 721311Z-040<br>1172.04 | 722311Z-040<br>1172.04 | 723311Z-040<br>1519.20 | 1 | 0 | 250 |
| 6     | 721311Z-060<br>1533.70 | 722311Z-060<br>1533.70 | 723311Z-060<br>2172.38 | 1 | 0 | 250 |
| 8     | 721311Z-080<br>1903.71 | 722311Z-080<br>1903.71 | 723311Z-080<br>3101.20 | 1 | 0 | 250 |

### Gear Operator

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721321Z-015<br>984.07  | 722321Z-015<br>984.07  | 723321Z-015<br>1250.67 | 1 | 0 | 250 |
| 2     | 721321Z-020<br>1005.06 | 722321Z-020<br>1005.06 | 723321Z-020<br>1272.44 | 1 | 0 | 250 |
| 2-1/2 | 721321Z-025<br>1053.27 | 722321Z-025<br>1053.27 | 723321Z-025<br>1319.15 | 1 | 0 | 250 |
| 3     | 721321Z-030<br>1065.63 | 722321Z-030<br>1065.63 | 723321Z-030<br>1352.16 | 1 | 0 | 250 |
| 4     | 721321Z-040<br>1556.46 | 722321Z-040<br>1556.46 | 723321Z-040<br>1937.96 | 1 | 0 | 250 |
| 6     | 721321Z-060<br>1920.76 | 722321Z-060<br>1920.76 | 723321Z-060<br>2567.54 | 1 | 0 | 250 |
| 8     | 721321Z-080<br>2256.59 | 722321Z-080<br>2256.59 | 723321Z-080<br>3367.59 | 1 | 0 | 250 |
| 10    | 721321Z-100<br>3987.96 | 722321Z-100<br>3987.96 | 723321Z-100<br>6387.37 | 1 | 0 | 250 |
| 12    | 721321Z-120<br>4596.29 | 722321Z-120<br>4596.29 | 723321Z-120<br>7676.48 | 1 | 0 | 250 |

### Valve Only

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721301Z-015<br>544.69  | 722301Z-015<br>544.69  | 723301Z-015<br>835.98  | 1 | 0 | 250 |
| 2     | 721301Z-020<br>599.54  | 722301Z-020<br>599.54  | 723301Z-020<br>857.48  | 1 | 0 | 250 |
| 2 1/2 | 721301Z-025<br>631.07  | 722301Z-025<br>631.07  | 723301Z-025<br>906.68  | 1 | 0 | 250 |
| 3     | 721301Z-030<br>639.36  | 722301Z-030<br>639.36  | 723301Z-030<br>915.21  | 1 | 0 | 250 |
| 4     | 721301Z-040<br>1147.67 | 722301Z-040<br>1147.67 | 723301Z-040<br>1486.91 | 1 | 0 | 250 |
| 6     | 721301Z-060<br>1522.39 | 722301Z-060<br>1522.38 | 723301Z-060<br>2133.98 | 1 | 0 | 250 |
| 8     | 721301Z-080<br>1869.65 | 722301Z-080<br>1869.65 | 723301Z-080<br>3058.98 | 1 | 0 | 250 |
| 10    | 721301Z-100<br>3815.88 | 722301Z-100<br>3815.88 | 723301Z-100<br>6152.90 | 1 | 0 | 250 |
| 12    | 721301Z-120<br>4399.95 | 722301Z-120<br>4399.95 | 723301Z-120<br>7011.30 | 1 | 0 | 250 |



# True Lug Butterfly Valves - Zinc Plated Lugs

## CPVC - Zinc-Plated Lugs

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                                |                                |                                |   |   |     |
|-------|--------------------------------|--------------------------------|--------------------------------|---|---|-----|
| 1-1/2 | 721311Z-015C<br><b>789.90</b>  | 722311Z-015C<br><b>789.90</b>  | 723311Z-015C<br><b>1102.56</b> | 1 | 0 | 252 |
| 2     | 721311Z-020C<br><b>812.47</b>  | 722311Z-020C<br><b>812.47</b>  | 723311Z-020C<br><b>1126.82</b> | 1 | 0 | 252 |
| 2-1/2 | 721311Z-025C<br><b>822.35</b>  | 722311Z-025C<br><b>822.35</b>  | 723311Z-025C<br><b>1155.10</b> | 1 | 0 | 252 |
| 3     | 721311Z-030C<br><b>839.64</b>  | 722311Z-030C<br><b>839.64</b>  | 723311Z-030C<br><b>1184.39</b> | 1 | 0 | 252 |
| 4     | 721311Z-040C<br><b>1445.18</b> | 722311Z-040C<br><b>1445.18</b> | 723311Z-040C<br><b>1914.13</b> | 1 | 0 | 252 |
| 6     | 721311Z-060C<br><b>1934.01</b> | 722311Z-060C<br><b>1934.01</b> | 723311Z-060C<br><b>2700.32</b> | 1 | 0 | 252 |
| 8     | 721311Z-080C<br><b>2387.26</b> | 722311Z-080C<br><b>2387.26</b> | 723311Z-080C<br><b>3938.51</b> | 1 | 0 | 252 |

### Gear Operator

|       |                                |                                |                                |   |   |     |
|-------|--------------------------------|--------------------------------|--------------------------------|---|---|-----|
| 1-1/2 | 721321Z-015C<br><b>1283.59</b> | 722321Z-015C<br><b>1283.59</b> | 723321Z-015C<br><b>1591.30</b> | 1 | 0 | 252 |
| 2     | 721321Z-020C<br><b>1306.96</b> | 722321Z-020C<br><b>1306.96</b> | 723321Z-020C<br><b>1623.44</b> | 1 | 0 | 252 |
| 2-1/2 | 721321Z-025C<br><b>1322.89</b> | 722321Z-025C<br><b>1322.89</b> | 723321Z-025C<br><b>1650.24</b> | 1 | 0 | 252 |
| 3     | 721321Z-030C<br><b>1331.91</b> | 722321Z-030C<br><b>1331.91</b> | 723321Z-030C<br><b>1691.61</b> | 1 | 0 | 252 |
| 4     | 721321Z-040C<br><b>1982.98</b> | 722321Z-040C<br><b>1982.98</b> | 723321Z-040C<br><b>2441.81</b> | 1 | 0 | 252 |
| 6     | 721321Z-060C<br><b>2420.14</b> | 722321Z-060C<br><b>2420.14</b> | 723321Z-060C<br><b>3247.93</b> | 1 | 0 | 252 |
| 8     | 721321Z-080C<br><b>2843.30</b> | 722321Z-080C<br><b>2843.30</b> | 723321Z-080C<br><b>4458.44</b> | 1 | 0 | 252 |
| 10    | 721321Z-100C<br><b>4921.14</b> | 722321Z-100C<br><b>4921.14</b> | 723321Z-100C<br><b>8009.65</b> | 1 | 0 | 252 |
| 12    | 721321Z-120C<br><b>5745.40</b> | 722321Z-120C<br><b>5745.40</b> | 723321Z-120C<br><b>8788.24</b> | 1 | 0 | 252 |

### Valve Only

|       |                                |                                |                                |   |   |     |
|-------|--------------------------------|--------------------------------|--------------------------------|---|---|-----|
| 1-1/2 | 721301Z-015C<br><b>756.98</b>  | 722301Z-015C<br><b>756.98</b>  | 723301Z-015C<br><b>1086.12</b> | 1 | 0 | 252 |
| 2     | 721301Z-020C<br><b>783.04</b>  | 722301Z-020C<br><b>783.04</b>  | 723301Z-020C<br><b>1112.17</b> | 1 | 0 | 252 |
| 2 1/2 | 721301Z-025C<br><b>791.38</b>  | 722301Z-025C<br><b>791.38</b>  | 723301Z-025C<br><b>1137.83</b> | 1 | 0 | 252 |
| 3     | 721301Z-030C<br><b>801.96</b>  | 722301Z-030C<br><b>801.96</b>  | 723301Z-030C<br><b>1150.52</b> | 1 | 0 | 252 |
| 4     | 721301Z-040C<br><b>1376.21</b> | 722301Z-040C<br><b>1376.21</b> | 723301Z-040C<br><b>1872.04</b> | 1 | 0 | 252 |
| 6     | 721301Z-060C<br><b>1912.10</b> | 722301Z-060C<br><b>1912.10</b> | 723301Z-060C<br><b>2680.28</b> | 1 | 0 | 252 |
| 8     | 721301Z-080C<br><b>2338.90</b> | 722301Z-080C<br><b>2338.90</b> | 723301Z-080C<br><b>3848.19</b> | 1 | 0 | 252 |
| 10    | 721301Z-100C<br><b>4769.84</b> | 722301Z-100C<br><b>4769.84</b> | 723301Z-100C<br><b>7648.03</b> | 1 | 0 | 252 |
| 12    | 721301Z-120C<br><b>5499.94</b> | 722301Z-120C<br><b>5499.94</b> | 723301Z-120C<br><b>8279.01</b> | 1 | 0 | 252 |

Pressure Rating @ 73°F (23°C), Water

1-1/2" - 12" 150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

# True Lug Butterfly Valves - Stainless Steel Lugs



## PVC - Stainless Steel Lugs

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721311L-015<br>691.49  | 722311L-015<br>691.49  | 723311L-015<br>1044.14 | 1 | 0 | 250 |
| 2     | 721311L-020<br>699.41  | 722311L-020<br>699.41  | 723311L-020<br>1054.05 | 1 | 0 | 250 |
| 2-1/2 | 721311L-025<br>769.14  | 722311L-025<br>769.14  | 723311L-025<br>1095.96 | 1 | 0 | 250 |
| 3     | 721311L-030<br>777.13  | 722311L-030<br>777.13  | 723311L-030<br>1107.72 | 1 | 0 | 250 |
| 4     | 721311L-040<br>1378.82 | 722311L-040<br>1378.82 | 723311L-040<br>1785.01 | 1 | 0 | 250 |
| 6     | 721311L-060<br>1804.16 | 722311L-060<br>1804.16 | 723311L-060<br>2554.23 | 1 | 0 | 250 |
| 8     | 721311L-080<br>2230.63 | 722311L-080<br>2230.63 | 723311L-080<br>3648.47 | 1 | 0 | 250 |

### Gear Operator

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721321L-015<br>1161.81 | 722321L-015<br>1161.81 | 723321L-015<br>1459.67 | 1 | 0 | 250 |
| 2     | 721321L-020<br>1177.19 | 722321L-020<br>1177.19 | 723321L-020<br>1483.98 | 1 | 0 | 250 |
| 2-1/2 | 721321L-025<br>1239.14 | 722321L-025<br>1239.14 | 723321L-025<br>1551.94 | 1 | 0 | 250 |
| 3     | 721321L-030<br>1253.65 | 722321L-030<br>1253.65 | 723321L-030<br>1588.40 | 1 | 0 | 250 |
| 4     | 721321L-040<br>1828.89 | 722321L-040<br>1828.89 | 723321L-040<br>2277.69 | 1 | 0 | 250 |
| 6     | 721321L-060<br>2259.64 | 722321L-060<br>2259.64 | 723321L-060<br>3020.61 | 1 | 0 | 250 |
| 8     | 721321L-080<br>2654.29 | 722321L-080<br>2654.29 | 723321L-080<br>3857.61 | 1 | 0 | 250 |
| 10    | 721321L-100<br>4689.50 | 722321L-100<br>4689.50 | 723321L-100<br>7516.65 | 1 | 0 | 250 |
| 12    | 721321L-120<br>5405.07 | 722321L-120<br>5405.07 | 723321L-120<br>9345.51 | 1 | 0 | 250 |

### Valve Only

|       |                        |                        |                        |   |   |     |
|-------|------------------------|------------------------|------------------------|---|---|-----|
| 1-1/2 | 721301L-015<br>665.98  | 722301L-015<br>665.98  | 723301L-015<br>989.02  | 1 | 0 | 250 |
| 2     | 721301L-020<br>679.99  | 722301L-020<br>679.99  | 723301L-020<br>1019.02 | 1 | 0 | 250 |
| 2-1/2 | 721301L-025<br>742.41  | 722301L-025<br>742.41  | 723301L-025<br>1038.64 | 1 | 0 | 250 |
| 3     | 721301L-030<br>752.12  | 722301L-030<br>752.12  | 723301L-030<br>1076.72 | 1 | 0 | 250 |
| 4     | 721301L-040<br>1349.96 | 722301L-040<br>1349.96 | 723301L-040<br>1746.31 | 1 | 0 | 250 |
| 6     | 721301L-060<br>1788.76 | 722301L-060<br>1788.76 | 723301L-060<br>2505.54 | 1 | 0 | 250 |
| 8     | 721301L-080<br>2201.76 | 722301L-080<br>2201.76 | 723301L-080<br>3598.72 | 1 | 0 | 250 |
| 10    | 721301L-100<br>4484.73 | 722301L-100<br>4484.73 | 723301L-100<br>7234.17 | 1 | 0 | 250 |
| 12    | 721301L-120<br>5173.52 | 722301L-120<br>5173.52 | 723301L-120<br>9026.64 | 1 | 0 | 250 |



# True Lug Butterfly Valves - Stainless Steel Lugs

## CPVC - Stainless Steel Lugs

| Size | Buna-N | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|--------|------|--------|--------|---------|-----------|
|------|--------|------|--------|--------|---------|-----------|

### Lever Handle

|       |                                |                                |                                |   |   |     |
|-------|--------------------------------|--------------------------------|--------------------------------|---|---|-----|
| 1-1/2 | 721311L-015C<br><b>943.90</b>  | 722311L-015C<br><b>943.90</b>  | 723311L-015C<br><b>1330.81</b> | 1 | 0 | 252 |
| 2     | 721311L-020C<br><b>954.78</b>  | 722311L-020C<br><b>954.78</b>  | 723311L-020C<br><b>1347.97</b> | 1 | 0 | 252 |
| 2-1/2 | 721311L-025C<br><b>969.13</b>  | 722311L-025C<br><b>969.13</b>  | 723311L-025C<br><b>1380.90</b> | 1 | 0 | 252 |
| 3     | 721311L-030C<br><b>986.98</b>  | 722311L-030C<br><b>986.98</b>  | 723311L-030C<br><b>1395.70</b> | 1 | 0 | 252 |
| 4     | 721311L-040C<br><b>1764.89</b> | 722311L-040C<br><b>1764.89</b> | 723311L-040C<br><b>2261.61</b> | 1 | 0 | 252 |
| 6     | 721311L-060C<br><b>2305.35</b> | 722311L-060C<br><b>2305.35</b> | 723311L-060C<br><b>3259.19</b> | 1 | 0 | 252 |
| 8     | 721311L-080C<br><b>2855.17</b> | 722311L-080C<br><b>2855.17</b> | 723311L-080C<br><b>4670.06</b> | 1 | 0 | 252 |

Pressure Rating @ 73°F (23°C), Water  
1-1/2" - 12" 150 psi

### Gear Operator

|       |                                |                                |                                 |   |   |     |
|-------|--------------------------------|--------------------------------|---------------------------------|---|---|-----|
| 1-1/2 | 721321L-015C<br><b>1543.27</b> | 722321L-015C<br><b>1543.27</b> | 723321L-015C<br><b>1912.21</b>  | 1 | 0 | 252 |
| 2     | 721321L-020C<br><b>1554.44</b> | 722321L-020C<br><b>1554.44</b> | 723321L-020C<br><b>1934.59</b>  | 1 | 0 | 252 |
| 2-1/2 | 721321L-025C<br><b>1561.33</b> | 722321L-025C<br><b>1561.33</b> | 723321L-025C<br><b>1953.91</b>  | 1 | 0 | 252 |
| 3     | 721321L-030C<br><b>1587.33</b> | 722321L-030C<br><b>1587.33</b> | 723321L-030C<br><b>2060.35</b>  | 1 | 0 | 252 |
| 4     | 721321L-040C<br><b>2286.10</b> | 722321L-040C<br><b>2286.10</b> | 723321L-040C<br><b>2867.37</b>  | 1 | 0 | 252 |
| 6     | 721321L-060C<br><b>2824.56</b> | 722321L-060C<br><b>2824.56</b> | 723321L-060C<br><b>3827.07</b>  | 1 | 0 | 252 |
| 8     | 721321L-080C<br><b>3264.82</b> | 722321L-080C<br><b>3264.82</b> | 723321L-080C<br><b>5161.01</b>  | 1 | 0 | 252 |
| 10    | 721321L-100C<br><b>5890.03</b> | 722321L-100C<br><b>5890.03</b> | 723321L-100C<br><b>9536.36</b>  | 1 | 0 | 252 |
| 12    | 721321L-120C<br><b>6809.32</b> | 722321L-120C<br><b>6809.32</b> | 723321L-120C<br><b>11737.96</b> | 1 | 0 | 252 |

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

### Valve Only

|       |                                |                                |                                 |   |   |     |
|-------|--------------------------------|--------------------------------|---------------------------------|---|---|-----|
| 1-1/2 | 721301L-015C<br><b>892.91</b>  | 722301L-015C<br><b>892.91</b>  | 723301L-015C<br><b>1300.03</b>  | 1 | 0 | 252 |
| 2     | 721301L-020C<br><b>918.38</b>  | 722301L-020C<br><b>918.38</b>  | 723301L-020C<br><b>1309.98</b>  | 1 | 0 | 252 |
| 2-1/2 | 721301L-025C<br><b>928.02</b>  | 722301L-025C<br><b>928.02</b>  | 723301L-025C<br><b>1351.49</b>  | 1 | 0 | 252 |
| 3     | 721301L-030C<br><b>946.91</b>  | 722301L-030C<br><b>946.91</b>  | 723301L-030C<br><b>1364.20</b>  | 1 | 0 | 252 |
| 4     | 721301L-040C<br><b>1713.94</b> | 722301L-040C<br><b>1713.94</b> | 723301L-040C<br><b>2200.35</b>  | 1 | 0 | 252 |
| 6     | 721301L-060C<br><b>2235.96</b> | 722301L-060C<br><b>2235.96</b> | 723301L-060C<br><b>3144.46</b>  | 1 | 0 | 252 |
| 8     | 721301L-080C<br><b>2780.81</b> | 722301L-080C<br><b>2780.81</b> | 723301L-080C<br><b>4448.03</b>  | 1 | 0 | 252 |
| 10    | 721301L-100C<br><b>5640.38</b> | 722301L-100C<br><b>5640.38</b> | 723301L-100C<br><b>8905.26</b>  | 1 | 0 | 252 |
| 12    | 721301L-120C<br><b>6484.05</b> | 722301L-120C<br><b>6484.05</b> | 723301L-120C<br><b>10963.79</b> | 1 | 0 | 252 |

See Butterfly Valve  
Accessories & Repair Kits  
Section for Additional Options  
and Features

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

# Polypropylene Butterfly Valves



Lever Handle Style

**Pressure Rating @ 73°F (23°C), Water**  
**1-1/2" - 12" 150 psi**

**Maximum Service Temperature**  
**180°F (82°C)**

**Temperature/Pressure De-ratings Apply**

**See Butterfly Valve Accessories & Repair Kits Section for Additional Options and Features**

## Lever Handle

| Size  | Buna-N                 | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|------------------------|------------------------|--------|---------|-----------|
| 1-1/2 | 721311-015P<br>479.21  | 722311-015P<br>479.21  | 723311-015P<br>995.52  | 1      | 0       | 256       |
| 2     | 721311-020P<br>484.05  | 722311-020P<br>484.05  | 723311-020P<br>1015.84 | 1      | 0       | 256       |
| 2-1/2 | 721311-025P<br>505.90  | 722311-025P<br>505.90  | 723311-025P<br>1033.17 | 1      | 0       | 256       |
| 3     | 721311-030P<br>516.60  | 722311-030P<br>516.60  | 723311-030P<br>1053.40 | 1      | 0       | 256       |
| 4     | 721311-040P<br>576.09  | 722311-040P<br>576.09  | 723311-040P<br>1315.32 | 1      | 0       | 256       |
| 6     | 721311-060P<br>900.17  | 722311-060P<br>900.17  | 723311-060P<br>2079.82 | 1      | 0       | 256       |
| 8     | 721311-080P<br>1530.85 | 722311-080P<br>1530.85 | 723311-080P<br>3531.49 | 1      | 0       | 256       |

## Gear Operator

| Size  | Buna-N                 | EPDM                   | Viton®                  | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|------------------------|-------------------------|--------|---------|-----------|
| 2     | 721321-020P<br>1377.88 | 722321-020P<br>1377.88 | 723321-020P<br>1751.52  | 1      | 0       | 256       |
| 2-1/2 | 721321-025P<br>1396.22 | 722321-025P<br>1396.22 | 723321-025P<br>1843.49  | 1      | 0       | 256       |
| 3     | 721321-030P<br>1423.13 | 722321-030P<br>1423.13 | 723321-030P<br>1936.81  | 1      | 0       | 256       |
| 4     | 721321-040P<br>1516.28 | 722321-040P<br>1516.28 | 723321-040P<br>2203.06  | 1      | 0       | 256       |
| 6     | 721321-060P<br>1771.23 | 722321-060P<br>1771.23 | 723321-060P<br>2981.33  | 1      | 0       | 256       |
| 8     | 721321-080P<br>2420.47 | 722321-080P<br>2420.47 | 723321-080P<br>4451.30  | 1      | 0       | 256       |
| 10    | 721321-100P<br>3254.62 | 722321-100P<br>3254.62 | 723321-100P<br>7242.06  | 1      | 0       | 256       |
| 12    | 721321-120P<br>4506.98 | 722321-120P<br>4506.98 | 723321-120P<br>10584.19 | 1      | 0       | 256       |

## Valve Only

| Size  | Buna-N                 | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|------------------------|------------------------|--------|---------|-----------|
| 1-1/2 | 721301-015P<br>442.88  | 722301-015P<br>442.88  | 723301-015P<br>878.52  | 1      | 0       | 256       |
| 2     | 721301-020P<br>451.91  | 722301-020P<br>451.91  | 723301-020P<br>894.48  | 1      | 0       | 256       |
| 2-1/2 | 721301-025P<br>469.26  | 722301-025P<br>469.26  | 723301-025P<br>927.50  | 1      | 0       | 256       |
| 3     | 721301-030P<br>483.85  | 722301-030P<br>483.85  | 723301-030P<br>951.80  | 1      | 0       | 256       |
| 4     | 721301-040P<br>553.54  | 722301-040P<br>553.54  | 723301-040P<br>1180.62 | 1      | 0       | 256       |
| 6     | 721301-060P<br>846.49  | 722301-060P<br>846.49  | 723301-060P<br>1909.59 | 1      | 0       | 256       |
| 8     | 721301-080P<br>1454.65 | 722301-080P<br>1454.65 | 723301-080P<br>3234.30 | 1      | 0       | 256       |
| 10    | 721301-100P<br>2905.46 | 722301-100P<br>2905.46 | 723301-100P<br>6481.34 | 1      | 0       | 256       |
| 12    | 721301-120P<br>3759.51 | 722301-120P<br>3759.51 | 723301-120P<br>9257.68 | 1      | 0       | 256       |



# Large Diameter Butterfly Valves

Pressure Rating @ 73°F (23°C), Water

| Size | Psi |
|------|-----|
| 14   | 100 |
| 16   | 85  |
| 18   | 70  |
| 20   | 50  |
| 24   | 50  |



### PVC - Gear Operator

| Size | EPDM                  | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|------|-----------------------|------------------------|--------|---------|-----------|
| 14   | 722321-140<br>5759.39 | 723321-140<br>13996.15 | 1      | 0       | 251       |

### CPVC - Gear Operator

| Size | EPDM                   | Viton®                  | Std Pk | Mstr Pk | Disc Code |
|------|------------------------|-------------------------|--------|---------|-----------|
| 14   | 722321-140C<br>7881.51 | 723321-140C<br>19152.79 | 1      | 0       | 253       |



### Polypropylene - Gear Operator

| Size | EPDM                    | Viton®                  | Std Pk | Mstr Pk | Disc Code |
|------|-------------------------|-------------------------|--------|---------|-----------|
| 14   | 722321-140P<br>6062.70  | 723321-140P<br>14732.91 | 1      | 0       | 257       |
| 16   | 722321-160P<br>23639.20 | 723321-160P<br>25605.47 | 1      | 0       | 257       |
| 18   | 722321-180P<br>26039.51 | 723321-180P<br>29834.86 | 1      | 0       | 257       |
| 20   | 722321-200P<br>29215.80 | 723321-200P<br>35512.53 | 1      | 0       | 257       |
| 24   | 722321-240P<br>33092.72 | 723321-240P<br>47739.89 | 1      | 0       | 257       |

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

PP = 180°F (82°C)

Temperature/Pressure De-ratings Apply

Contact Spears® for Custom  
Produced Valve Sizes 30" to 60"

NOT FOR USE WITH COMPRESSED AIR OR GAS

# PVC Pool Butterfly Valves



### PVC Lever Handle

| Part Number | Size | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------|--------|----------|-----------|------------|
|-------------|------|--------|----------|-----------|------------|

#### EPDM Seats

|            |       |   |   |     |        |
|------------|-------|---|---|-----|--------|
| 682311-015 | 1-1/2 | 1 | 0 | 260 | 155.50 |
| 682311-020 | 2     | 1 | 0 | 260 | 160.91 |
| 682311-025 | 2-1/2 | 1 | 0 | 260 | 166.32 |
| 682311-030 | 3     | 1 | 0 | 260 | 175.77 |
| 682311-040 | 4     | 1 | 0 | 260 | 196.05 |
| 682311-060 | 6     | 1 | 0 | 260 | 290.71 |
| 682311-080 | 8     | 1 | 0 | 260 | 513.81 |

### PVC Gear Operated

| Part Number | Size | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------|--------|----------|-----------|------------|
|-------------|------|--------|----------|-----------|------------|

#### EPDM Seats

|            |       |   |   |     |         |
|------------|-------|---|---|-----|---------|
| 682321-015 | 1-1/2 | 1 | 0 | 261 | 519.21  |
| 682321-020 | 2     | 1 | 0 | 261 | 566.54  |
| 682321-025 | 2-1/2 | 1 | 0 | 261 | 607.11  |
| 682321-030 | 3     | 1 | 0 | 261 | 612.52  |
| 682321-040 | 4     | 1 | 0 | 261 | 642.26  |
| 682321-060 | 6     | 1 | 0 | 261 | 688.23  |
| 682321-080 | 8     | 1 | 0 | 261 | 950.78  |
| 682321-100 | 10    | 1 | 0 | 261 | 1141.20 |
| 682321-120 | 12    | 1 | 0 | 261 | 1385.94 |

Pressure Rating @ 73°F (23°C), Water  
1-1/2" - 12" 150 psi

Maximum Service Temperature  
PVC = 140°F (60°C)

Temperature/Pressure De-ratings Apply

See Butterfly Valve  
Accessories & Repair Kits  
Section for Additional  
Options and Features



# Wafer Butterfly Valves



Lever Handle



Gear Operator

### PVC

| Size                | Buna-N Seat          | EPDM Seat            | Viton® Seat           | Std Pk | Mstr Pk | Disc Code |
|---------------------|----------------------|----------------------|-----------------------|--------|---------|-----------|
| <b>Lever Handle</b> |                      |                      |                       |        |         |           |
| 2                   | 751311-020<br>277.20 | 752311-020<br>277.20 | 753311-020<br>573.66  | 1      | 0       | 250       |
| 2-1/2               | 751311-025<br>294.29 | 752311-025<br>294.29 | 753311-025<br>582.20  | 1      | 0       | 250       |
| 3                   | 751311-030<br>298.57 | 752311-030<br>298.57 | 753311-030<br>592.87  | 1      | 0       | 250       |
| 4                   | 751311-040<br>345.51 | 752311-040<br>345.51 | 753311-040<br>742.16  | 1      | 0       | 250       |
| 6                   | 751311-060<br>511.84 | 752311-060<br>511.84 | 753311-060<br>1185.74 | 1      | 0       | 250       |
| 8                   | 751311-080<br>870.11 | 752311-080<br>870.11 | 753311-080<br>2008.94 | 1      | 0       | 250       |

### Gear Operator

|       |                       |                       |                       |   |   |     |
|-------|-----------------------|-----------------------|-----------------------|---|---|-----|
| 2     | 751321-020<br>784.83  | 752321-020<br>784.83  | 753321-020<br>1002.35 | 1 | 0 | 250 |
| 2-1/2 | 751321-025<br>795.45  | 752321-025<br>795.45  | 753321-025<br>1040.71 | 1 | 0 | 250 |
| 3     | 751321-030<br>808.28  | 752321-030<br>808.28  | 753321-030<br>1100.46 | 1 | 0 | 250 |
| 4     | 751321-040<br>848.79  | 752321-040<br>848.79  | 753321-040<br>1245.46 | 1 | 0 | 250 |
| 6     | 751321-060<br>1019.43 | 752321-060<br>1019.43 | 753321-060<br>1693.31 | 1 | 0 | 250 |
| 8     | 751321-080<br>1377.67 | 752321-080<br>1377.67 | 753321-080<br>2516.52 | 1 | 0 | 250 |

### Valve Only

|       |                      |                      |                       |   |   |     |
|-------|----------------------|----------------------|-----------------------|---|---|-----|
| 2     | 751301-020<br>258.03 | 752301-020<br>258.03 | 753301-020<br>509.70  | 1 | 0 | 250 |
| 2-1/2 | 751301-025<br>266.60 | 752301-025<br>266.60 | 753301-025<br>526.74  | 1 | 0 | 250 |
| 3     | 751301-030<br>272.99 | 752301-030<br>272.99 | 753301-030<br>537.41  | 1 | 0 | 250 |
| 4     | 751301-040<br>315.63 | 752301-040<br>315.63 | 753301-040<br>673.90  | 1 | 0 | 250 |
| 6     | 751301-060<br>477.69 | 752301-060<br>477.69 | 753301-060<br>1091.91 | 1 | 0 | 250 |
| 8     | 751301-080<br>827.48 | 752301-080<br>827.48 | 753301-080<br>1842.59 | 1 | 0 | 250 |

Wafer Butterfly Valve laying lengths will directly replace common Cast Iron valves (matches Keystone Model 228 and Bray Series 30 Butterfly Valves).

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

Progressive Products from Spears® Innovation and Technology

# Wafer Butterfly Valves



## CPVC

| Size | EPDM Seat | Viton® Seat | Std Pk | Mstr Pk | Disc Code |
|------|-----------|-------------|--------|---------|-----------|
|------|-----------|-------------|--------|---------|-----------|

### Lever Handle

|       |                        |                        |   |   |     |
|-------|------------------------|------------------------|---|---|-----|
| 2     | 752311-020C<br>379.60  | 753311-020C<br>744.30  | 1 | 0 | 252 |
| 2-1/2 | 752311-025C<br>403.09  | 753311-025C<br>808.28  | 1 | 0 | 252 |
| 3     | 752311-030C<br>439.33  | 753311-030C<br>865.84  | 1 | 0 | 252 |
| 4     | 752311-040C<br>507.59  | 753311-040C<br>1083.37 | 1 | 0 | 252 |
| 6     | 752311-060C<br>750.70  | 753311-060C<br>1731.73 | 1 | 0 | 252 |
| 8     | 752311-080C<br>1275.31 | 753311-080C<br>2930.26 | 1 | 0 | 252 |

### Gear Operator

|       |                        |                        |   |   |     |
|-------|------------------------|------------------------|---|---|-----|
| 2     | 752321-020C<br>915.46  | 753321-020C<br>1246.83 | 1 | 0 | 252 |
| 2-1/2 | 752321-025C<br>929.20  | 753321-025C<br>1310.23 | 1 | 0 | 252 |
| 3     | 752321-030C<br>942.62  | 753321-030C<br>1369.16 | 1 | 0 | 252 |
| 4     | 752321-040C<br>1010.87 | 753321-040C<br>1586.69 | 1 | 0 | 252 |
| 6     | 752321-060C<br>1258.26 | 753321-060C<br>2235.01 | 1 | 0 | 252 |
| 8     | 752321-080C<br>1778.60 | 753321-080C<br>3433.56 | 1 | 0 | 252 |

### Valve Only

|       |                        |                        |   |   |     |
|-------|------------------------|------------------------|---|---|-----|
| 2     | 752301-020C<br>356.16  | 753301-020C<br>684.56  | 1 | 0 | 252 |
| 2-1/2 | 752301-025C<br>371.07  | 753301-025C<br>714.44  | 1 | 0 | 252 |
| 3     | 752301-030C<br>400.95  | 753301-030C<br>780.54  | 1 | 0 | 252 |
| 4     | 752301-040C<br>464.91  | 753301-040C<br>985.31  | 1 | 0 | 252 |
| 6     | 752301-060C<br>699.49  | 753301-060C<br>1590.93 | 1 | 0 | 252 |
| 8     | 752301-080C<br>1211.31 | 753301-080C<br>2687.17 | 1 | 0 | 252 |

## IMPORTANT NOTE

All PVC and CPVC valves have built-in Santoprene™ Thermoplastic Elastomer (TPE) Flange Gaskets for use with choice of Buna-N, EPDM, or Viton® Seats on PVC valves and choice of EPDM or Viton® Seats on CPVC valves.

Pressure Rating @ 73°F (23°C), Water  
150 psi

Maximum Service Temperature

PVC = 140°F (60°C)

CPVC = 200°F (93°C)

Temperature/Pressure De-ratings Apply

NOT FOR USE WITH COMPRESSED AIR OR GAS

Made in the U.S.A.

Progressive Products from Spears® Innovation and Technology

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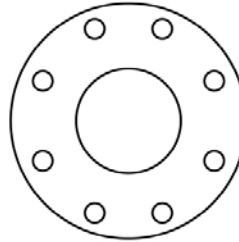


# Butterfly Valve Accessories & Repair Kits

## Flange Gaskets Selection Guide

Order Gaskets & Bolts Kits Separately

- 1/8" Full-Faced design with ANSI Class 150 Bolt Patterns
- Pressure Rated to 150 psi @ 73°F
- Available in Buna-N (Nitrile), EPDM, or Viton® (FKM)



**Note:** Do not order for Wafer Butterfly Valves. Gasket is Built-in.

| Flange Size (in.) | Number of Bolt Holes | Gasket Part Number |         |              |
|-------------------|----------------------|--------------------|---------|--------------|
|                   |                      | Buna-N (Nitrile)   | EPDM    | Viton® (FKM) |
| 1/2               | 4                    | GK1-005            | GK2-005 | GK3-005      |
| 3/4               | 4                    | GK1-007            | GK2-007 | GK3-007      |
| 1                 | 4                    | GK1-010            | GK2-010 | GK3-010      |
| 1-1/4             | 4                    | GK1-012            | GK2-012 | GK3-012      |
| 1-1/2             | 4                    | GK1-015            | GK2-015 | GK3-015      |
| 2                 | 4                    | GK1-020            | GK2-020 | GK3-020      |
| 2-1/2             | 4                    | GK1-025            | GK2-025 | GK3-025      |
| 3                 | 4                    | GK1-030            | GK2-030 | GK3-030      |
| 4                 | 8                    | GK1-040            | GK2-040 | GK3-040      |
| 5                 | 8                    | GK1-050            | GK2-050 | GK3-050      |
| 6                 | 8                    | GK1-060            | GK2-060 | GK3-060      |
| 8                 | 8                    | GK1-080            | GK2-080 | GK3-080      |
| 10                | 12                   | GK1-100            | GK2-100 | GK3-100      |
| 12                | 12                   | GK1-120            | GK2-120 | GK3-120      |

### Buna-N Full-Faced Flange Gaskets

| Part Number | Size  | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|-------|--------|----------|-----------|------------|
| GK1-005     | 1/2   | 1      | 25       | 017       | 3.06       |
| GK1-007     | 3/4   | 1      | 25       | 017       | 3.51       |
| GK1-010     | 1     | 1      | 25       | 017       | 3.61       |
| GK1-012     | 1-1/4 | 1      | 25       | 017       | 3.70       |
| GK1-015     | 1-1/2 | 1      | 25       | 017       | 3.97       |
| GK1-020     | 2     | 1      | 25       | 017       | 4.44       |
| GK1-025     | 2-1/2 | 1      | 25       | 017       | 4.88       |
| GK1-030     | 3     | 1      | 25       | 017       | 7.51       |
| GK1-040     | 4     | 1      | 25       | 017       | 8.40       |
| GK1-050     | 5     | 1      | 25       | 017       | 9.96       |
| GK1-060     | 6     | 1      | 25       | 017       | 10.23      |
| GK1-080     | 8     | 1      | 25       | 017       | 13.49      |
| GK1-100     | 10    | 1      | 25       | 017       | 17.12      |
| GK1-120     | 12    | 1      | 25       | 017       | 23.09      |

### EPDM Full-Faced Flange Gaskets

| Part Number | Size  | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|-------|--------|----------|-----------|------------|
| GK2-005     | 1/2   | 1      | 25       | 017       | 4.06       |
| GK2-007     | 3/4   | 1      | 25       | 017       | 4.32       |
| GK2-010     | 1     | 1      | 25       | 017       | 4.51       |
| GK2-012     | 1-1/4 | 1      | 25       | 017       | 4.74       |
| GK2-015     | 1-1/2 | 1      | 25       | 017       | 5.09       |
| GK2-020     | 2     | 1      | 25       | 017       | 6.21       |
| GK2-025     | 2-1/2 | 1      | 25       | 017       | 7.46       |
| GK2-030     | 3     | 1      | 25       | 017       | 10.96      |
| GK2-040     | 4     | 1      | 25       | 017       | 12.48      |
| GK2-050     | 5     | 1      | 25       | 017       | 15.61      |
| GK2-060     | 6     | 1      | 25       | 017       | 16.38      |
| GK2-080     | 8     | 1      | 25       | 017       | 21.82      |
| GK2-100     | 10    | 1      | 25       | 017       | 28.43      |
| GK2-120     | 12    | 1      | 25       | 017       | 39.12      |

### Viton® (FKM) Full-Faced Flange Gaskets

| Part Number | Size  | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|-------|--------|----------|-----------|------------|
| GK3-005     | 1/2   | 1      | 25       | 017       | 14.49      |
| GK3-007     | 3/4   | 1      | 25       | 017       | 17.20      |
| GK3-010     | 1     | 1      | 25       | 017       | 19.01      |
| GK3-012     | 1-1/4 | 1      | 5        | 017       | 21.46      |
| GK3-015     | 1-1/2 | 1      | 25       | 017       | 27.07      |
| GK3-020     | 2     | 1      | 25       | 017       | 37.84      |
| GK3-025     | 2-1/2 | 1      | 25       | 017       | 50.61      |
| GK3-030     | 3     | 1      | 25       | 017       | 113.09     |
| GK3-040     | 4     | 1      | 25       | 017       | 130.55     |
| GK3-050     | 5     | 1      | 25       | 017       | 152.19     |
| GK3-060     | 6     | 1      | 25       | 017       | 172.66     |
| GK3-080     | 8     | 1      | 25       | 017       | 245.99     |
| GK3-100     | 10    | 1      | 25       | 017       | 327.20     |
| GK3-120     | 12    | 1      | 25       | 017       | 461.02     |

NOT FOR USE WITH COMPRESSED AIR OR GAS

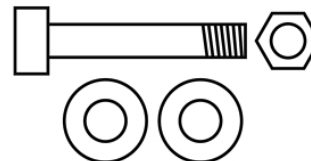
# Butterfly Valve Accessories & Repair Kits



## Bolt Kit Selection Guide

Kit Contains All Bolts, Nuts, & Flat Washers for Specified Valve Size

- For Connecting Valve Between Two (2) Mating Spears® Flanges
- Pre-coated, Anti-seize Lubricated Bolts
- Available in Zinc Coated Steel, Type 304 Stainless Steel or Type 316



Order Gaskets separately for Standard valves; gaskets are already included with Wafer Butterfly Valves.

| Standard Butterfly Valve Hardware Kit |               |                         |                   |                          |                    |                    |
|---------------------------------------|---------------|-------------------------|-------------------|--------------------------|--------------------|--------------------|
| Valve Size (in.)                      | Bolts Per Kit | Bolt Diameter (in.-TPI) | Bolt Length (in.) | Hardware Kit Part Number |                    |                    |
|                                       |               |                         |                   | Zinc Plate Steel         | Type 316 Stainless | Type 304 Stainless |
| 1-1/2                                 | 4             | 1/2-13                  | 4-1/2             | BFHK-015                 | BFHK1-015          | BFHK2-015          |
| 2                                     | 4             | 5/8-11                  | 5                 | BFHK-020                 | BFHK1-020          | BFHK2-020          |
| 2-1/2 & 3                             | 4             | 5/8-11                  | 5-1/2             | BFHK-030                 | BFHK1-030          | BFHK2-030          |
| 4                                     | 8             | 5/8-11                  | 6                 | BFHK-040                 | BFHK1-040          | BFHK2-040          |
| 6                                     | 8             | 3/4-10                  | 7                 | BFHK-060                 | BFHK1-060          | BFHK2-060          |
| 8                                     | 8             | 3/4-10                  | 7-1/2             | BFHK-080                 | BFHK1-080          | BFHK2-080          |
| 10 & 12                               | 12            | 7/8-9                   | 8-1/2             | BFHK-120                 | BFHK1-120          | BFHK2-120          |

| Wafer Butterfly Valve Hardware Kit |               |                         |                   |                          |                    |                    |
|------------------------------------|---------------|-------------------------|-------------------|--------------------------|--------------------|--------------------|
| Valve Size (in.)                   | Bolts Per Kit | Bolt Diameter (in.-TPI) | Bolt Length (in.) | Hardware Kit Part Number |                    |                    |
|                                    |               |                         |                   | Zinc Plate Steel         | Type 316 Stainless | Type 304 Stainless |
| 2                                  | 4             | 5/8-11                  | 4-1/2             | WBHK-020                 | WBHK1-020          | WBHK2-020          |
| 2-1/2 & 3                          | 4             | 5/8-11                  | 5                 | WBHK-030                 | WBHK1-030          | WBHK2-030          |
| 4                                  | 8             | 5/8-11                  | 5-1/2             | WBHK-040                 | WBHK1-040          | WBHK2-040          |
| 6                                  | 8             | 3/4-10                  | 6                 | WBHK-060                 | WBHK1-060          | WBHK2-060          |
| 8                                  | 8             | 3/4-10                  | 7                 | WBHK-080                 | WBHK1-080          | WBHK2-080          |
| 10                                 | 12            | 7/8-9                   | 7-1/2             | WBHK-100                 | WBHK1-100          | WBHK2-100          |
| 12                                 | 12            | 7/8-9                   | 8                 | WBHK-120                 | WBHK1-120          | WBHK2-120          |

### Standard Butterfly Valve Bolt Kit - Zinc Plated

| Part Number | Size | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------|--------|----------|-----------|------------|
|-------------|------|--------|----------|-----------|------------|

For Connection of Valve Between 2-Spears® Flanges  
Includes Bolts, Nuts & Flat Washers

|          |         |   |    |     |        |
|----------|---------|---|----|-----|--------|
| BFHK-015 | 1-1/2   | 1 | 10 | 017 | 10.77  |
| BFHK-020 | 2       | 1 | 10 | 017 | 14.59  |
| BFHK-030 | 2-1/2&3 | 1 | 5  | 017 | 18.72  |
| BFHK-040 | 4       | 1 | 5  | 017 | 36.96  |
| BFHK-060 | 6       | 1 | 3  | 017 | 51.17  |
| BFHK-080 | 8       | 1 | 3  | 017 | 53.51  |
| BFHK-120 | 10&12   | 1 | 0  | 017 | 103.74 |

### Standard Butterfly Valve Bolt Kit - Type 316 Stainless Steel

| Part Number | Size | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------|--------|----------|-----------|------------|
|-------------|------|--------|----------|-----------|------------|

For Connection of Valve Between 2-Spears® Flanges  
Includes Bolts, Nuts & Flat Washers

|           |         |   |    |     |        |
|-----------|---------|---|----|-----|--------|
| BFHK1-015 | 1-1/2   | 1 | 10 | 017 | 37.80  |
| BFHK1-020 | 2       | 1 | 10 | 017 | 52.87  |
| BFHK1-030 | 2-1/2&3 | 1 | 10 | 017 | 62.93  |
| BFHK1-040 | 4       | 1 | 5  | 017 | 288.44 |
| BFHK1-060 | 6       | 1 | 3  | 017 | 337.52 |
| BFHK1-080 | 8       | 1 | 3  | 017 | 395.10 |
| BFHK1-120 | 10&12   | 1 | 0  | 017 | 647.88 |

### Standard Butterfly Valve Bolt Kit - Type 304 Stainless Steel

| Part Number | Size | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------|--------|----------|-----------|------------|
|-------------|------|--------|----------|-----------|------------|

For Connection of Valve Between 2-Spears® Flanges  
Includes Bolts, Nuts & Flat Washers

|           |         |   |    |     |        |
|-----------|---------|---|----|-----|--------|
| BFHK2-015 | 1-1/2   | 1 | 10 | 017 | 34.33  |
| BFHK2-020 | 2       | 1 | 10 | 017 | 47.76  |
| BFHK2-030 | 2-1/2&3 | 1 | 10 | 017 | 57.35  |
| BFHK2-040 | 4       | 1 | 5  | 017 | 112.31 |
| BFHK2-060 | 6       | 1 | 3  | 017 | 142.89 |
| BFHK2-080 | 8       | 1 | 3  | 017 | 156.80 |
| BFHK2-120 | 10&12   | 1 | 0  | 017 | 380.95 |



# Butterfly Valve Accessories & Repair Kits

## Wafer Butterfly Valve Bolt Kit - Zinc Plated

| Part Number | Size | Std<br>Pk | Mstr<br>Ctn | Disc<br>Code | Price<br>Each |
|-------------|------|-----------|-------------|--------------|---------------|
|-------------|------|-----------|-------------|--------------|---------------|

For Connection of Valve Between 2-Spears® Flanges  
Includes Bolts, Nuts & Flat Washers

Note: Do not order Gaskets, these are included with Wafer Butterfly Valves

|          |         |   |    |     |        |
|----------|---------|---|----|-----|--------|
| WBHK-020 | 2       | 1 | 10 | 017 | 10.09  |
| WBHK-030 | 2-1/2&3 | 1 | 10 | 017 | 11.67  |
| WBHK-040 | 4       | 1 | 5  | 017 | 24.63  |
| WBHK-060 | 6       | 1 | 3  | 017 | 37.94  |
| WBHK-080 | 8       | 1 | 0  | 017 | 51.17  |
| WBHK-100 | 10      | 1 | 0  | 017 | 88.70  |
| WBHK-120 | 12      | 1 | 0  | 017 | 103.74 |

## Wafer Butterfly Valve Bolt Kit - Type 316 Stainless Steel

| Part Number | Size | Std<br>Pk | Mstr<br>Ctn | Disc<br>Code | Price<br>Each |
|-------------|------|-----------|-------------|--------------|---------------|
|-------------|------|-----------|-------------|--------------|---------------|

For Connection of Valve Between 2-Spears® Flanges  
Includes Bolts, Nuts & Flat Washers

Note: Do not order Gaskets, these are included with Wafer Butterfly Valves

|           |         |   |    |     |        |
|-----------|---------|---|----|-----|--------|
| WBHK1-020 | 2       | 1 | 10 | 017 | 48.74  |
| WBHK1-030 | 2-1/2&3 | 1 | 10 | 017 | 62.95  |
| WBHK1-040 | 4       | 1 | 5  | 017 | 125.88 |
| WBHK1-060 | 6       | 1 | 3  | 017 | 204.00 |
| WBHK1-080 | 8       | 1 | 0  | 017 | 259.17 |
| WBHK1-100 | 10      | 1 | 0  | 017 | 690.52 |
| WBHK1-120 | 12      | 1 | 0  | 017 | 869.97 |

## Wafer Butterfly Valve Bolt Kit - Type 304 Stainless Steel

| Part Number | Size | Std<br>Pk | Mstr<br>Ctn | Disc<br>Code | Price<br>Each |
|-------------|------|-----------|-------------|--------------|---------------|
|-------------|------|-----------|-------------|--------------|---------------|

For Connection of Valve Between 2-Spears® Flanges  
Includes Bolts, Nuts & Flat Washers

Note: Do not order Gaskets, these are included with Wafer Butterfly Valves

|           |         |   |    |     |        |
|-----------|---------|---|----|-----|--------|
| WBHK2-020 | 2       | 1 | 10 | 017 | 31.48  |
| WBHK2-030 | 2-1/2&3 | 1 | 10 | 017 | 42.45  |
| WBHK2-040 | 4       | 1 | 5  | 017 | 80.41  |
| WBHK2-060 | 6       | 1 | 3  | 017 | 107.91 |
| WBHK2-080 | 8       | 1 | 0  | 017 | 143.41 |
| WBHK2-100 | 10      | 1 | 0  | 017 | 339.66 |
| WBHK2-120 | 12      | 1 | 0  | 017 | 451.64 |

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Butterfly Valve Accessories & Repair Kits



For Wafer Style Butterfly Valves, replace the "GO" prefix with "GOW" in the part number (e.g., GOW-020). Pricing is as indicated.

Contact Spears® for Kit Pricing and Availability on 14" & Larger Valves

## Gear Operator Kits

| Part Number | Size  | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|-------|--------|----------|-----------|------------|
| GO-015      | 1-1/2 | 1      | 2        | 299       | 649.03     |
| GO-020      | 2     | 1      | 2        | 299       | 649.03     |
| GO-030      | 3     | 1      | 2        | 299       | 649.03     |
| GO-040      | 4     | 1      | 2        | 299       | 649.03     |
| GO-060      | 6     | 1      | 2        | 299       | 676.66     |
| GO-080      | 8     | 1      | 2        | 299       | 676.66     |
| GO-100      | 10    | 1      | 2        | 299       | 1213.52    |
| GO-120      | 12    | 1      | 1        | 299       | 1213.52    |
| GO-140      | 14-24 | 1      | 1        | 299       | 1460.41    |

## Powder Coated

| Part Number | Size  | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|-------|--------|----------|-----------|------------|
| GOP-015     | 1-1/2 | 1      | 2        | 299       | 1044.38    |
| GOP-020     | 2     | 1      | 2        | 299       | 1044.38    |
| GOP-030     | 3     | 1      | 2        | 299       | 1044.38    |
| GOP-040     | 4     | 1      | 2        | 299       | 1044.38    |
| GOP-060     | 6     | 1      | 2        | 299       | 1072.01    |
| GOP-080     | 8     | 1      | 2        | 299       | 1072.01    |
| GOP-100     | 10    | 1      | 1        | 299       | 1608.87    |
| GOP-120     | 12    | 1      | 1        | 299       | 1608.87    |

## Lever Handle Kits

| Part Number | Size       | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------------|--------|----------|-----------|------------|
| BFH-015     | 1-1/2      | 1      | 10       | 299       | 52.06      |
| BFH-020     | 2 OR 2-1/2 | 1      | 10       | 299       | 52.06      |
| BFH-030     | 3          | 1      | 10       | 299       | 55.33      |
| BFH-040     | 4          | 1      | 10       | 299       | 65.56      |
| BFH-060     | 6          | 1      | 10       | 299       | 122.98     |
| BFH-080     | 8          | 1      | 10       | 299       | 159.87     |



## T-Handle Kits

| Part Number | Size | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------|--------|----------|-----------|------------|
| BFTH-030    | 3    | 1      | 10       | 299       | 55.33      |
| BFTH-040    | 4    | 1      | 10       | 299       | 78.06      |

## Speed Handle For Gear Operator

| Part Number | Size       | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------------|--------|----------|-----------|------------|
| SH-120      | 1-1/2 - 12 | 10     | 0        | 299       | 95.59      |



## 2" Operator Nuts

| Part Number | Size | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------|--------|----------|-----------|------------|
| GTN-040     | 4    | 10     | 60       | 299       | 102.47     |

Note: Operator Nut is used with Valve Gear Operator. Size 4 fits all Butterfly valve sizes 1-1/2" through 24".





# Butterfly Valve Accessories & Repair Kits

### Gear Operator Positive Stem Stop

| Part Number | Size       | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|------------|--------|----------|-----------|------------|
| PSS-120     | 1-1/2 - 12 | 50     | 0        | 299       | 28.38      |



### Lug Insert Sets (For PVC/CPVC Standard Valves Only)

| Size       | Stainless Steel     | Zinc Plated        | Std Pk | Mstr Pk | Disc Code |
|------------|---------------------|--------------------|--------|---------|-----------|
| 1-1/2      | LUG1-015<br>430.36  | LUG2-015<br>98.37  | 1      | 10      | 299       |
| 2 OR 2-1/2 | LUG1-020<br>430.36  | LUG2-020<br>98.37  | 1      | 10      | 299       |
| 3          | LUG1-030<br>430.36  | LUG2-030<br>98.37  | 1      | 10      | 299       |
| 4          | LUG1-040<br>856.68  | LUG2-040<br>196.73 | 1      | 5       | 299       |
| 6 OR 8     | LUG1-080<br>1082.10 | LUG2-080<br>401.70 | 1      | 5       | 299       |
| 10 OR 12   | LUG1-120<br>2738.10 | LUG2-120<br>819.80 | 1      | 5       | 299       |



### Chainwheel Operators

| Part Number | Size  | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|-------|--------|----------|-----------|------------|
| CO-020      | 2     | 1      | 2        | 299       | 1109.79    |
| CO-025      | 2-1/2 | 1      | 0        | 299       | 1109.79    |
| CO-030      | 3     | 1      | 2        | 299       | 1183.77    |
| CO-040      | 4     | 1      | 2        | 299       | 1183.77    |
| CO-060      | 6     | 1      | 2        | 299       | 1183.77    |
| CO-080      | 8     | 1      | 2        | 299       | 1183.77    |
| CO-100      | 10    | 1      | 0        | 299       | 1701.66    |
| CO-120      | 12    | 1      | 0        | 299       | 1701.66    |

For Wafer Style Butterfly Valves, replace the "CO" prefix with "COW" in the part number (e.g., COW-020). Pricing is as indicated.



Contact Spears® for larger sizes

Valve not included

### Lock-Link Chain for Chainwheel Operators (price per foot)

| Part Number | Size               | Std Pk | Mstr Ctn | Disc Code | Price Each |
|-------------|--------------------|--------|----------|-----------|------------|
| BC-1        | BRASS              | 1      | 0        | 901       | 19.62      |
| GC-1        | HOT-DIP GALVANIZED | 1      | 100      | 901       | 5.96       |
| SC-1        | STAINLESS STEEL    | 1      | 0        | 901       | 41.89      |

Order "valve only" (without operator) for use with Chainwheel Operator.

| How to Order Chain   |     |     |     |     |     |     |     |     |     |  |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Required chain length is based on chain drop at 3 ft. from floor |     |     |     |     |     |     |     |     |     |  |
| Floor-to-Chainwheel Height                                       | 7'  | 8'  | 9'  | 10' | 11' | 12' | 13' | 14' | 15' |  |
| Required Chain Length  | 10' | 12' | 14' | 16' | 18' | 20' | 22' | 24' | 26' |  |

# Butterfly Valve Accessories & Repair Kits



Valve not included

Basic Stem Extension height is 24" and is manufactured in standard 6" increments (heights less than 24" are at the same price). Intermediate Stem Extension heights are available and are priced to the next full 6" increment. Stem Extensions over 120" in height are manufactured and shipped in 2-piece sections. Please contact your servicing Spears® Regional Distribution Center.

For Wafer Style Butterfly Valves, replace the "BFSE" prefix with "BFSEW" in the part number (e.g., BFSEW-020-240). Pricing is as indicated.

## Stem Extensions

| Part Number   | Size      | Std Pk | Mstr Ctn | Disc Code | Price Each |
|---------------|-----------|--------|----------|-----------|------------|
| BFSE-015-240  | 1-1/2X24  | 1      | 0        | 299       | 971.45     |
| BFSE-015-300  | 1-1/2X30  | 1      | 0        | 299       | 1031.55    |
| BFSE-015-360  | 1-1/2X36  | 1      | 0        | 299       | 1091.66    |
| BFSE-015-420  | 1-1/2X42  | 1      | 0        | 299       | 1151.78    |
| BFSE-015-480  | 1-1/2X48  | 1      | 0        | 299       | 1211.89    |
| BFSE-015-540  | 1-1/2X54  | 1      | 0        | 299       | 1272.00    |
| BFSE-015-600  | 1-1/2X60  | 1      | 0        | 299       | 1332.12    |
| BFSE-015-660  | 1-1/2X66  | 1      | 0        | 299       | 1392.22    |
| BFSE-015-720  | 1-1/2X72  | 1      | 0        | 299       | 1452.33    |
| BFSE-015-780  | 1-1/2X78  | 1      | 0        | 299       | 1512.46    |
| BFSE-015-840  | 1-1/2X84  | 1      | 0        | 299       | 1572.56    |
| BFSE-015-900  | 1-1/2X90  | 1      | 0        | 299       | 1632.68    |
| BFSE-015-960  | 1-1/2X96  | 1      | 0        | 299       | 1692.80    |
| BFSE-015-1020 | 1-1/2X102 | 1      | 0        | 299       | 1752.90    |
| BFSE-015-1080 | 1-1/2X108 | 1      | 0        | 299       | 1813.01    |
| BFSE-015-1140 | 1-1/2X114 | 1      | 0        | 299       | 1873.12    |
| BFSE-015-1200 | 1-1/2X120 | 1      | 0        | 299       | 1933.22    |
| BFSE-020-240  | 2X24      | 1      | 0        | 299       | 971.45     |
| BFSE-020-300  | 2X30      | 1      | 0        | 299       | 1031.55    |
| BFSE-020-360  | 2X36      | 1      | 0        | 299       | 1091.66    |
| BFSE-020-420  | 2X42      | 1      | 0        | 299       | 1151.78    |
| BFSE-020-480  | 2X48      | 1      | 0        | 299       | 1211.89    |
| BFSE-020-540  | 2X54      | 1      | 0        | 299       | 1272.00    |
| BFSE-020-600  | 2X60      | 1      | 0        | 299       | 1332.12    |
| BFSE-020-660  | 2X66      | 1      | 0        | 299       | 1392.22    |
| BFSE-020-720  | 2X72      | 1      | 0        | 299       | 1452.33    |
| BFSE-020-780  | 2X78      | 1      | 0        | 299       | 1512.46    |
| BFSE-020-840  | 2X84      | 1      | 0        | 299       | 1572.56    |
| BFSE-020-900  | 2X90      | 1      | 0        | 299       | 1632.68    |
| BFSE-020-960  | 2X96      | 1      | 0        | 299       | 1692.80    |
| BFSE-020-1020 | 2X102     | 1      | 0        | 299       | 1752.90    |
| BFSE-020-1080 | 2X108     | 1      | 0        | 299       | 1813.01    |
| BFSE-020-1140 | 2X114     | 1      | 0        | 299       | 1873.12    |
| BFSE-020-1200 | 2X120     | 1      | 0        | 299       | 1933.22    |
| BFSE-030-240  | 3X24      | 1      | 0        | 299       | 971.45     |
| BFSE-030-300  | 3X30      | 1      | 0        | 299       | 1031.55    |
| BFSE-030-360  | 3X36      | 1      | 0        | 299       | 1091.66    |
| BFSE-030-420  | 3X42      | 1      | 0        | 299       | 1151.78    |
| BFSE-030-480  | 3X48      | 1      | 0        | 299       | 1211.89    |
| BFSE-030-540  | 3X54      | 1      | 0        | 299       | 1272.00    |
| BFSE-030-600  | 3X60      | 1      | 0        | 299       | 1332.12    |
| BFSE-030-660  | 3X66      | 1      | 0        | 299       | 1392.22    |
| BFSE-030-720  | 3X72      | 1      | 0        | 299       | 1494.95    |
| BFSE-030-780  | 3X78      | 1      | 0        | 299       | 1512.46    |
| BFSE-030-840  | 3X84      | 1      | 0        | 299       | 1572.56    |
| BFSE-030-900  | 3X90      | 1      | 0        | 299       | 1632.68    |
| BFSE-030-960  | 3X96      | 1      | 0        | 299       | 1692.80    |
| BFSE-030-1020 | 3X102     | 1      | 0        | 299       | 1752.90    |
| BFSE-030-1080 | 3X108     | 1      | 0        | 299       | 1813.01    |

NOT FOR USE WITH COMPRESSED AIR OR GAS



## Butterfly Valve Accessories & Repair Kits

### Stem Extensions (continued)

| Part Number   | Size  | Std Pk | Mstr Ctn | Disc Code | Price Each |
|---------------|-------|--------|----------|-----------|------------|
| BFSE-030-1140 | 3X114 | 1      | 0        | 299       | 1873.12    |
| BFSE-030-1200 | 3X120 | 1      | 0        | 299       | 1933.22    |
| BFSE-040-240  | 4X24  | 1      | 0        | 299       | 971.45     |
| BFSE-040-300  | 4X30  | 1      | 0        | 299       | 1052.83    |
| BFSE-040-360  | 4X36  | 1      | 0        | 299       | 1091.66    |
| BFSE-040-420  | 4X42  | 1      | 0        | 299       | 1017.71    |
| BFSE-040-480  | 4X48  | 1      | 0        | 299       | 1211.89    |
| BFSE-040-540  | 4X54  | 1      | 0        | 299       | 1272.00    |
| BFSE-040-600  | 4X60  | 1      | 0        | 299       | 1332.12    |
| BFSE-040-660  | 4X66  | 1      | 0        | 299       | 1392.22    |
| BFSE-040-720  | 4X72  | 1      | 0        | 299       | 1452.33    |
| BFSE-040-780  | 4X78  | 1      | 0        | 299       | 1512.46    |
| BFSE-040-840  | 4X84  | 1      | 0        | 299       | 1572.56    |
| BFSE-040-900  | 4X90  | 1      | 0        | 299       | 1632.68    |
| BFSE-040-960  | 4X96  | 1      | 0        | 299       | 1692.80    |
| BFSE-040-1020 | 4X102 | 1      | 0        | 299       | 1752.90    |
| BFSE-040-1080 | 4X108 | 1      | 0        | 299       | 1813.01    |
| BFSE-040-1140 | 4X114 | 1      | 0        | 299       | 1873.12    |
| BFSE-040-1200 | 4X120 | 1      | 0        | 299       | 1933.22    |
| BFSE-060-240  | 6X24  | 1      | 0        | 299       | 971.45     |
| BFSE-060-300  | 6X30  | 1      | 0        | 299       | 1031.55    |
| BFSE-060-360  | 6X36  | 1      | 0        | 299       | 1091.66    |
| BFSE-060-420  | 6X42  | 1      | 0        | 299       | 1151.78    |
| BFSE-060-480  | 6X48  | 1      | 0        | 299       | 1211.89    |
| BFSE-060-540  | 6X54  | 1      | 0        | 299       | 1272.00    |
| BFSE-060-600  | 6X60  | 1      | 0        | 299       | 1332.12    |
| BFSE-060-660  | 6X66  | 1      | 0        | 299       | 1392.22    |
| BFSE-060-720  | 6X72  | 1      | 0        | 299       | 1452.33    |
| BFSE-060-780  | 6X78  | 1      | 0        | 299       | 1512.46    |
| BFSE-060-840  | 6X84  | 1      | 0        | 299       | 1572.56    |
| BFSE-060-900  | 6X90  | 1      | 0        | 299       | 1632.68    |
| BFSE-060-960  | 6X96  | 1      | 0        | 299       | 1692.80    |
| BFSE-060-1020 | 6X102 | 1      | 0        | 299       | 1915.71    |
| BFSE-060-1080 | 6X108 | 1      | 0        | 299       | 1813.01    |
| BFSE-060-1140 | 6X114 | 1      | 0        | 299       | 1873.12    |
| BFSE-060-1200 | 6X120 | 1      | 0        | 299       | 1933.22    |
| BFSE-080-240  | 8X24  | 1      | 0        | 299       | 971.45     |
| BFSE-080-300  | 8X30  | 1      | 0        | 299       | 1031.55    |
| BFSE-080-360  | 8X36  | 1      | 0        | 299       | 1091.66    |
| BFSE-080-420  | 8X42  | 1      | 0        | 299       | 1151.78    |
| BFSE-080-480  | 8X48  | 1      | 0        | 299       | 1211.89    |
| BFSE-080-540  | 8X54  | 1      | 0        | 299       | 1272.00    |
| BFSE-080-600  | 8X60  | 1      | 0        | 299       | 1332.12    |
| BFSE-080-660  | 8X66  | 1      | 0        | 299       | 1392.22    |
| BFSE-080-720  | 8X72  | 1      | 0        | 299       | 1452.33    |
| BFSE-080-780  | 8X78  | 1      | 0        | 299       | 1512.46    |
| BFSE-080-840  | 8X84  | 1      | 0        | 299       | 1572.56    |
| BFSE-080-900  | 8X90  | 1      | 0        | 299       | 1632.68    |
| BFSE-080-960  | 8X96  | 1      | 0        | 299       | 1692.80    |

### Stem Extensions (continued)

| Part Number   | Size   | Std Pk | Mstr Ctn | Disc Code | Price Each |
|---------------|--------|--------|----------|-----------|------------|
| BFSE-080-1020 | 8X102  | 1      | 0        | 299       | 1752.90    |
| BFSE-080-1080 | 8X108  | 1      | 0        | 299       | 1813.01    |
| BFSE-080-1140 | 8X114  | 1      | 0        | 299       | 1873.12    |
| BFSE-080-1200 | 8X120  | 1      | 0        | 299       | 1933.22    |
| BFSE-100-240  | 10X24  | 1      | 0        | 299       | 1359.34    |
| BFSE-100-300  | 10X30  | 1      | 0        | 299       | 1448.67    |
| BFSE-100-360  | 10X36  | 1      | 0        | 299       | 1560.50    |
| BFSE-100-420  | 10X42  | 1      | 0        | 299       | 1613.43    |
| BFSE-100-480  | 10X48  | 1      | 0        | 299       | 1779.36    |
| BFSE-100-540  | 10X54  | 1      | 0        | 299       | 1945.27    |
| BFSE-100-600  | 10X60  | 1      | 0        | 299       | 2111.16    |
| BFSE-100-660  | 10X66  | 1      | 0        | 299       | 2277.09    |
| BFSE-100-720  | 10X72  | 1      | 0        | 299       | 2443.01    |
| BFSE-100-780  | 10X78  | 1      | 0        | 299       | 2608.91    |
| BFSE-100-840  | 10X84  | 1      | 0        | 299       | 2774.82    |
| BFSE-100-900  | 10X90  | 1      | 0        | 299       | 2940.77    |
| BFSE-100-960  | 10X96  | 1      | 0        | 299       | 3106.64    |
| BFSE-100-1020 | 10X102 | 1      | 0        | 299       | 3272.56    |
| BFSE-100-1080 | 10X108 | 1      | 0        | 299       | 3438.47    |
| BFSE-100-1140 | 10X114 | 1      | 0        | 299       | 3604.38    |
| BFSE-100-1200 | 10X120 | 1      | 0        | 299       | 3770.29    |
| BFSE-120-240  | 12X24  | 1      | 0        | 299       | 2351.06    |
| BFSE-120-300  | 12X30  | 1      | 0        | 299       | 2411.45    |
| BFSE-120-360  | 12X36  | 1      | 0        | 299       | 2483.16    |
| BFSE-120-420  | 12X42  | 1      | 0        | 299       | 2567.68    |
| BFSE-120-480  | 12X48  | 1      | 0        | 299       | 2709.56    |
| BFSE-120-540  | 12X54  | 1      | 0        | 299       | 2709.47    |
| BFSE-120-600  | 12X60  | 1      | 0        | 299       | 2794.33    |
| BFSE-120-720  | 12X72  | 1      | 0        | 299       | 2964.89    |
| BFSE-120-780  | 12X78  | 1      | 0        | 299       | 3040.99    |
| BFSE-120-840  | 12X84  | 1      | 0        | 299       | 3106.44    |
| BFSE-120-900  | 12X90  | 1      | 0        | 299       | 3106.64    |
| BFSE-120-960  | 12X96  | 1      | 0        | 299       | 3292.84    |
| BFSE-120-1020 | 12X102 | 1      | 0        | 299       | 3272.56    |
| BFSE-120-1080 | 12X108 | 1      | 0        | 299       | 3438.47    |
| BFSE-120-1140 | 12X114 | 1      | 0        | 299       | 3604.38    |
| BFSE-120-1200 | 12X120 | 1      | 0        | 299       | 3770.29    |

**Contact Spears® for pricing and availability  
on Stem Extensions for 14" & Larger  
Butterfly Valves**

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Butterfly Valve Accessories & Repair Kits



## Important Repair & Overhaul Kit Ordering Note

Ongoing Butterfly Valve design improvements have resulted in variations to repair kits. Standard cataloged kits are for current 72 part number series, dry-stem type valve revision. Kits for previous revisions are available and can be determined by valve serial number. When ordering kits, please specify valve size, material (PVC, CPVC, PP), Standard, Lug or True Lug type valve, Buna-N, EPDM or Viton® elastomer material, and valve serial number stamped on the bottom of the valve body to insure proper kit selection. Stainless Steel Stems are normally not replaced, but can be ordered separately on request.

Seat Repair Kits for Standard Valve include:

- 1-Seat
- 1-Seal Carrier

Repair Kits for Wafer Valve include:

- 1-Seat
- 2-Flange Gaskets

Seat Repair Kits for 14" & Larger Valves include:

- 1-Seat

## PVC Seat Repair Kits

| Size  | Buna-N               | EPDM                 | Viton®               | Std Pk | Mstr Pk | Disc Code |
|-------|----------------------|----------------------|----------------------|--------|---------|-----------|
| 1-1/2 | BF-BRK-015<br>18.43  | BF-ERK-015<br>18.47  | BF-VRK-015<br>109.22 | 1      | 10      | 299       |
| 2     | BF-BRK-020<br>19.26  | BF-ERK-020<br>19.79  | BF-VRK-020<br>115.35 | 1      | 10      | 299       |
| 2-1/2 | BF-BRK-025<br>20.34  | BF-ERK-025<br>20.37  | BF-VRK-025<br>124.67 | 1      | 10      | 299       |
| 3     | BF-BRK-030<br>21.17  | BF-ERK-030<br>23.54  | BF-VRK-030<br>134.27 | 1      | 10      | 299       |
| 4     | BF-BRK-040<br>32.84  | BF-ERK-040<br>36.51  | BF-VRK-040<br>162.81 | 1      | 10      | 299       |
| 6     | BF-BRK-060<br>70.01  | BF-ERK-060<br>77.78  | BF-VRK-060<br>417.45 | 1      | 10      | 299       |
| 8     | BF-BRK-080<br>87.53  | BF-ERK-080<br>97.23  | BF-VRK-080<br>478.36 | 1      | 5       | 299       |
| 10    | BF-BRK-100<br>114.91 | BF-ERK-100<br>127.69 | BF-VRK-100<br>573.10 | 1      | 10      | 299       |
| 12    | BF-BRK-120<br>156.64 | BF-ERK-120<br>174.06 | BF-VRK-120<br>673.12 | 1      | 10      | 299       |

## CPVC Seat Repair Kits

| Size  | Buna-N                | EPDM                  | Viton®                | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|-----------------------|-----------------------|--------|---------|-----------|
| 1-1/2 | BF-BRK-015C<br>18.95  | BF-ERK-015C<br>21.30  | BF-VRK-015C<br>119.07 | 1      | 10      | 299       |
| 2     | BF-BRK-020C<br>19.55  | BF-ERK-020C<br>22.29  | BF-VRK-020C<br>126.49 | 1      | 10      | 299       |
| 2-1/2 | BF-BRK-025C<br>21.27  | BF-ERK-025C<br>24.00  | BF-VRK-025C<br>136.46 | 1      | 10      | 299       |
| 3     | BF-BRK-030C<br>23.33  | BF-ERK-030C<br>25.91  | BF-VRK-030C<br>147.68 | 1      | 10      | 299       |
| 4     | BF-BRK-040C<br>36.14  | BF-ERK-040C<br>40.15  | BF-VRK-040C<br>179.09 | 1      | 10      | 299       |
| 6     | BF-BRK-060C<br>76.99  | BF-ERK-060C<br>85.53  | BF-VRK-060C<br>459.16 | 1      | 10      | 299       |
| 8     | BF-BRK-080C<br>95.55  | BF-ERK-080C<br>106.18 | BF-VRK-080C<br>526.18 | 1      | 5       | 299       |
| 10    | BF-BRK-100C<br>126.43 | BF-ERK-100C<br>140.47 | BF-VRK-100C<br>630.36 | 1      | 10      | 299       |
| 12    | BF-BRK-120C<br>172.33 | BF-ERK-120C<br>191.46 | BF-VRK-120C<br>740.40 | 1      | 10      | 299       |

## PP Seat Repair Kits

| Size  | Buna-N                | EPDM                   | Viton®                  | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|------------------------|-------------------------|--------|---------|-----------|
| 1-1/2 | BF-BRK-015P<br>19.47  | BF-ERK-015P<br>22.41   | BF-VRK-015P<br>125.65   | 1      | 10      | 299       |
| 2     | BF-BRK-020P<br>20.61  | BF-ERK-020P<br>23.93   | BF-VRK-020P<br>131.71   | 1      | 10      | 299       |
| 2-1/2 | BF-BRK-025P<br>23.69  | BF-ERK-025P<br>25.83   | BF-VRK-025P<br>139.79   | 1      | 10      | 299       |
| 3     | BF-BRK-030P<br>25.39  | BF-ERK-030P<br>27.52   | BF-VRK-030P<br>156.79   | 1      | 10      | 299       |
| 4     | BF-BRK-040P<br>37.65  | BF-ERK-040P<br>43.07   | BF-VRK-040P<br>186.76   | 1      | 10      | 299       |
| 6     | BF-BRK-060P<br>79.82  | BF-ERK-060P<br>92.73   | BF-VRK-060P<br>469.93   | 1      | 10      | 299       |
| 8     | BF-BRK-080P<br>117.68 | BF-ERK-080P<br>131.06  | BF-VRK-080P<br>553.07   | 1      | 10      | 299       |
| 10    | BF-BRK-100P<br>136.86 | BF-ERK-100P<br>156.49  | BF-VRK-100P<br>640.37   | 1      | 10      | 299       |
| 12    | BF-BRK-120P<br>212.07 | BF-ERK-120P<br>236.00  | BF-VRK-120P<br>764.02   | 1      | 10      | 299       |
| 14    | ---                   | BF-ERK-140P<br>1388.31 | BF-VRK-140P<br>5647.04  | 1      | 15      | 299       |
| 16    | ---                   | BF-ERK-160P<br>2313.85 | BF-VRK-160P<br>6415.62  | 1      | 15      | 299       |
| 18    | ---                   | BF-ERK-180P<br>3126.82 | BF-VRK-180P<br>7546.22  | 1      | 15      | 299       |
| 20    | ---                   | BF-ERK-200P<br>3513.16 | BF-VRK-200P<br>8982.21  | 1      | 15      | 299       |
| 24    | ---                   | BF-ERK-240P<br>5017.59 | BF-VRK-240P<br>11974.67 | 1      | 15      | 299       |

NOT FOR USE WITH COMPRESSED AIR OR GAS



## Butterfly Valve Accessories & Repair Kits

### PVC & CPVC Wafer Butterfly Valve Repair Kits

| Size  | Buna-N               | EPDM                 | Viton®                | Std Pk | Mstr Pk | Disc Code |
|-------|----------------------|----------------------|-----------------------|--------|---------|-----------|
| 2     | BFW-BRK-020<br>19.26 | BFW-ERK-020<br>19.79 | BFW-VRK-020<br>115.35 | 1      | 10      | 299       |
| 2-1/2 | BFW-BRK-025<br>20.34 | BFW-ERK-025<br>20.37 | BFW-VRK-025<br>124.67 | 1      | 10      | 299       |
| 3     | BFW-BRK-030<br>21.17 | BFW-ERK-030<br>23.54 | BFW-VRK-030<br>134.27 | 1      | 10      | 299       |
| 4     | BFW-BRK-040<br>32.84 | BFW-ERK-040<br>36.51 | BFW-VRK-040<br>162.81 | 1      | 10      | 299       |
| 6     | BFW-BRK-060<br>70.01 | BFW-ERK-060<br>77.78 | BFW-VRK-060<br>417.45 | 1      | 10      | 299       |
| 8     | BFW-BRK-080<br>87.53 | BFW-ERK-080<br>97.23 | BFW-VRK-080<br>478.36 | 1      | 10      | 299       |

### PVC Standard Valve Overhaul Kits

| Size  | Buna-N               | EPDM                 | Viton®               | Std Pk | Mstr Pk | Disc Code |
|-------|----------------------|----------------------|----------------------|--------|---------|-----------|
| 1-1/2 | BF-BOK-015<br>31.87  | BF-EOK-015<br>36.12  | BF-VOK-015<br>119.55 | 1      | 10      | 299       |
| 2     | BF-BOK-020<br>41.31  | BF-EOK-020<br>50.21  | BF-VOK-020<br>135.66 | 1      | 10      | 299       |
| 2-1/2 | BF-BOK-025<br>45.95  | BF-EOK-025<br>60.93  | BF-VOK-025<br>145.02 | 1      | 10      | 299       |
| 3     | BF-BOK-030<br>54.06  | BF-EOK-030<br>65.91  | BF-VOK-030<br>158.99 | 1      | 10      | 299       |
| 4     | BF-BOK-040<br>60.94  | BF-EOK-040<br>76.48  | BF-VOK-040<br>184.78 | 1      | 10      | 299       |
| 6     | BF-BOK-060<br>84.67  | BF-EOK-060<br>93.15  | BF-VOK-060<br>452.22 | 1      | 10      | 299       |
| 8     | BF-BOK-080<br>106.69 | BF-EOK-080<br>133.68 | BF-VOK-080<br>515.18 | 1      | 10      | 299       |
| 10    | BF-BOK-100<br>153.24 | BF-EOK-100<br>180.04 | BF-VOK-100<br>593.59 | 1      | 10      | 299       |
| 12    | BF-BOK-120<br>179.60 | BF-EOK-120<br>207.38 | BF-VOK-120<br>776.70 | 1      | 10      | 299       |

### CPVC Standard Valve Overhaul Kits

| Size  | Buna-N                | EPDM                  | Viton®                | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|-----------------------|-----------------------|--------|---------|-----------|
| 1-1/2 | BF-BOK-015C<br>38.60  | BF-EOK-015C<br>42.06  | BF-VOK-015C<br>138.41 | 1      | 10      | 299       |
| 2     | BF-BOK-020C<br>48.53  | BF-EOK-020C<br>61.16  | BF-VOK-020C<br>153.34 | 1      | 10      | 299       |
| 2-1/2 | BF-BOK-025C<br>60.34  | BF-EOK-025C<br>66.21  | BF-VOK-025C<br>163.96 | 1      | 10      | 299       |
| 3     | BF-BOK-030C<br>68.65  | BF-EOK-030C<br>76.77  | BF-VOK-030C<br>177.54 | 1      | 10      | 299       |
| 4     | BF-BOK-040C<br>75.71  | BF-EOK-040C<br>94.54  | BF-VOK-040C<br>209.17 | 1      | 10      | 299       |
| 6     | BF-BOK-060C<br>108.15 | BF-EOK-060C<br>119.96 | BF-VOK-060C<br>540.72 | 1      | 10      | 299       |
| 8     | BF-BOK-080C<br>120.80 | BF-EOK-080C<br>146.94 | BF-VOK-080C<br>600.94 | 1      | 10      | 299       |
| 10    | BF-BOK-100C<br>172.84 | BF-EOK-100C<br>202.62 | BF-VOK-100C<br>674.60 | 1      | 10      | 299       |
| 12    | BF-BOK-120C<br>224.37 | BF-EOK-120C<br>260.61 | BF-VOK-120C<br>859.81 | 1      | 10      | 299       |

### PP Standard Valve Overhaul Kits

| Size  | Buna-N                | EPDM                   | Viton®                  | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|------------------------|-------------------------|--------|---------|-----------|
| 1-1/2 | BF-BOK-015P<br>40.19  | BF-EOK-015P<br>43.95   | BF-VOK-015P<br>143.04   | 1      | 10      | 299       |
| 2     | BF-BOK-020P<br>51.48  | BF-EOK-020P<br>54.63   | BF-VOK-020P<br>157.80   | 1      | 10      | 299       |
| 2-1/2 | BF-BOK-025P<br>64.60  | BF-EOK-025P<br>77.27   | BF-VOK-025P<br>174.44   | 1      | 10      | 299       |
| 3     | BF-BOK-030P<br>85.00  | BF-EOK-030P<br>96.06   | BF-VOK-030P<br>196.31   | 1      | 10      | 299       |
| 4     | BF-BOK-040P<br>91.45  | BF-EOK-040P<br>102.51  | BF-VOK-040P<br>231.68   | 1      | 10      | 299       |
| 6     | BF-BOK-060P<br>113.19 | BF-EOK-060P<br>136.46  | BF-VOK-060P<br>569.33   | 1      | 10      | 299       |
| 8     | BF-BOK-080P<br>136.55 | BF-EOK-080P<br>168.16  | BF-VOK-080P<br>615.01   | 1      | 10      | 299       |
| 10    | BF-BOK-100P<br>184.74 | BF-EOK-100P<br>219.11  | BF-VOK-100P<br>730.37   | 1      | 10      | 299       |
| 12    | BF-BOK-120P<br>253.96 | BF-EOK-120P<br>277.68  | BF-VOK-120P<br>895.50   | 1      | 10      | 299       |
| 14    | ---                   | BF-EOK-140P<br>1633.35 | BF-VOK-140P<br>6136.93  | 1      | 15      | 299       |
| 16    | ---                   | BF-EOK-160P<br>2677.62 | BF-VOK-160P<br>6904.33  | 1      | 15      | 299       |
| 18    | ---                   | BF-EOK-180P<br>3570.09 | BF-VOK-180P<br>9203.97  | 1      | 15      | 299       |
| 20    | ---                   | BF-EOK-200P<br>4010.36 | BF-VOK-200P<br>10957.01 | 1      | 15      | 299       |
| 24    | ---                   | BF-EOK-240P<br>5727.18 | BF-VOK-240P<br>14608.22 | 1      | 15      | 299       |

### Standard Valve Overhaul Kits include:

- |                      |                     |
|----------------------|---------------------|
| 1-Seat               | 1-Seal Carrier      |
| 1-Disc Timing Stop   | 1-Stem Nut          |
| 1-Stem Bushing       | 1-Hex Washer        |
| 1-Lower Stem Bearing | 1-Round Washer      |
| 2-Stem O-rings       | 2-Bushing O-rings   |
| 1-Upper Disc O-ring  | 1-Lower Disc O-ring |

Kits with Disc option include  
additional replacement Disc

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Butterfly Valve Accessories & Repair Kits



## PVC & CPVC Wafer Butterfly Valve Overhaul Kits

| Size  | Buna-N                | EPDM                  | Viton®                | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|-----------------------|-----------------------|--------|---------|-----------|
| 2     | BFW-BOK-020<br>41.31  | BFW-EOK-020<br>50.21  | BFW-VOK-020<br>135.66 | 1      | 10      | 299       |
| 2-1/2 | BFW-BOK-025<br>45.95  | BFW-EOK-025<br>60.93  | BFW-VOK-025<br>145.02 | 1      | 10      | 299       |
| 3     | BFW-BOK-030<br>54.06  | BFW-EOK-030<br>65.91  | BFW-VOK-030<br>158.99 | 1      | 10      | 299       |
| 4     | BFW-BOK-040<br>60.94  | BFW-EOK-040<br>76.48  | BFW-VOK-040<br>184.78 | 1      | 10      | 299       |
| 6     | BFW-BOK-060<br>84.67  | BFW-EOK-060<br>93.15  | BFW-VOK-060<br>452.22 | 1      | 10      | 299       |
| 8     | BFW-BOK-080<br>106.69 | BFW-EOK-080<br>133.68 | BFW-VOK-080<br>515.18 | 1      | 10      | 299       |

## CPVC Standard Valve Overhaul Kits with Disc (continued)

| Size | Buna-N                 | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|------|------------------------|------------------------|------------------------|--------|---------|-----------|
| 6    | BF-BOKD-060C<br>113.66 | BF-EOKD-060C<br>141.46 | BF-VOKD-060C<br>603.19 | 1      | 10      | 299       |
| 8    | BF-BOKD-080C<br>172.59 | BF-EOKD-080C<br>205.12 | BF-VOKD-080C<br>648.24 | 1      | 10      | 299       |
| 10   | BF-BOKD-100C<br>275.37 | BF-EOKD-100C<br>305.20 | BF-VOKD-100C<br>729.86 | 1      | 10      | 299       |
| 12   | BF-BOKD-120C<br>318.29 | BF-EOKD-120C<br>337.95 | BF-VOKD-120C<br>937.95 | 1      | 10      | 299       |

## PVC Standard Valve Overhaul Kits with Disc

| Size  | Buna-N                | EPDM                  | Viton®                | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|-----------------------|-----------------------|--------|---------|-----------|
| 1-1/2 | BF-BOKD-015<br>40.93  | BF-EOKD-015<br>45.17  | BF-VOKD-015<br>127.59 | 1      | 10      | 299       |
| 2     | BF-BOKD-020<br>56.89  | BF-EOKD-020<br>67.10  | BF-VOKD-020<br>157.51 | 1      | 10      | 299       |
| 2-1/2 | BF-BOKD-025<br>59.85  | BF-EOKD-025<br>73.38  | BF-VOKD-025<br>170.01 | 1      | 10      | 299       |
| 3     | BF-BOKD-030<br>64.88  | BF-EOKD-030<br>93.01  | BF-VOKD-030<br>192.41 | 1      | 10      | 299       |
| 4     | BF-BOKD-040<br>71.23  | BF-EOKD-040<br>102.61 | BF-VOKD-040<br>230.66 | 1      | 10      | 299       |
| 6     | BF-BOKD-060<br>108.23 | BF-EOKD-060<br>121.67 | BF-VOKD-060<br>508.55 | 1      | 10      | 299       |
| 8     | BF-BOKD-080<br>143.16 | BF-EOKD-080<br>195.59 | BF-VOKD-080<br>570.46 | 1      | 10      | 299       |
| 10    | BF-BOKD-100<br>244.70 | BF-EOKD-100<br>277.31 | BF-VOKD-100<br>630.81 | 1      | 10      | 299       |
| 12    | BF-BOKD-120<br>300.11 | BF-EOKD-120<br>319.50 | BF-VOKD-120<br>829.79 | 1      | 10      | 299       |

Wafer Valve Overhaul Kits include:

- 1-Seat
- 2-Flange Gaskets
- 2-Stem Bushing O-rings
- 2-Stem Bushing Washers
- 2-Stem Bushings

Kits with Disc option include additional replacement Disc

## CPVC Standard Valve Overhaul Kits with Disc

| Size  | Buna-N                | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|------------------------|------------------------|--------|---------|-----------|
| 1-1/2 | BF-BOKD-015C<br>44.21 | BF-EOKD-015C<br>47.22  | BF-VOKD-015C<br>144.04 | 1      | 10      | 299       |
| 2     | BF-BOKD-020C<br>67.60 | BF-EOKD-020C<br>77.07  | BF-VOKD-020C<br>162.89 | 1      | 10      | 299       |
| 2-1/2 | BF-BOKD-025C<br>74.12 | BF-EOKD-025C<br>103.71 | BF-VOKD-025C<br>187.19 | 1      | 10      | 299       |
| 3     | BF-BOKD-030C<br>81.95 | BF-EOKD-030C<br>107.40 | BF-VOKD-030C<br>222.02 | 1      | 10      | 299       |
| 4     | BF-BOKD-040C<br>87.27 | BF-EOKD-040C<br>112.12 | BF-VOKD-040C<br>285.29 | 1      | 10      | 299       |



# Butterfly Valve Accessories & Repair Kits

## PP Standard Valve Overhaul Kits with Disc

| Size  | Buna-N                 | EPDM                    | Viton®                   | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|-------------------------|--------------------------|--------|---------|-----------|
| 1-1/2 | BF-BOKD-015P<br>44.52  | BF-EOKD-015P<br>51.77   | BF-VOKD-015P<br>163.46   | 1      | 10      | 299       |
| 2     | BF-BOKD-020P<br>71.79  | BF-EOKD-020P<br>80.37   | BF-VOKD-020P<br>184.70   | 1      | 10      | 299       |
| 2-1/2 | BF-BOKD-025P<br>77.44  | BF-EOKD-025P<br>117.40  | BF-VOKD-025P<br>210.57   | 1      | 10      | 299       |
| 3     | BF-BOKD-030P<br>83.83  | BF-EOKD-030P<br>122.16  | BF-VOKD-030P<br>246.38   | 1      | 10      | 299       |
| 4     | BF-BOKD-040P<br>90.39  | BF-EOKD-040P<br>127.69  | BF-VOKD-040P<br>303.03   | 1      | 10      | 299       |
| 6     | BF-BOKD-060P<br>118.38 | BF-EOKD-060P<br>154.64  | BF-VOKD-060P<br>644.76   | 1      | 10      | 299       |
| 8     | BF-BOKD-080P<br>192.01 | BF-EOKD-080P<br>224.51  | BF-VOKD-080P<br>693.30   | 1      | 10      | 299       |
| 10    | BF-BOKD-100P<br>293.67 | BF-EOKD-100P<br>327.43  | BF-VOKD-100P<br>787.83   | 1      | 10      | 299       |
| 12    | BF-BOKD-120P<br>329.67 | BF-EOKD-120P<br>346.69  | BF-VOKD-120P<br>1010.04  | 1      | 10      | 299       |
| 14    | ---                    | BF-EOKD-140P<br>2039.41 | BF-VOKD-140P<br>6409.43  | 1      | 0       | 299       |
| 16    | ---                    | BF-EOKD-160P<br>3341.73 | BF-VOKD-160P<br>7236.04  | 1      | 0       | 299       |
| 18    | ---                    | BF-EOKD-180P<br>4455.54 | BF-VOKD-180P<br>9646.79  | 1      | 0       | 299       |
| 20    | ---                    | BF-EOKD-200P<br>5005.56 | BF-VOKD-200P<br>11484.26 | 1      | 0       | 299       |
| 24    | ---                    | BF-EOKD-240P<br>7150.36 | BF-VOKD-240P<br>15312.29 | 1      | 0       | 299       |

## CPVC Wafer Butterfly Valve Overhaul Kits with Disc (continued)

| Size | EPDM                    | Viton®                  | Std Pk | Mstr Pk | Disc Code |
|------|-------------------------|-------------------------|--------|---------|-----------|
| 4    | BFW-EOKD-040C<br>112.12 | BFW-VOKD-040C<br>285.29 | 1      | 10      | 299       |
| 6    | BFW-EOKD-060C<br>141.46 | BFW-VOKD-060C<br>603.19 | 1      | 10      | 299       |
| 8    | BFW-EOKD-080C<br>205.12 | BFW-VOKD-080C<br>648.24 | 1      | 10      | 299       |

## PVC Wafer Butterfly Valve Overhaul Kits with Disc

| Size  | Buna-N                 | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|------------------------|------------------------|--------|---------|-----------|
| 2     | BFW-BOKD-020<br>56.89  | BFW-EOKD-020<br>67.10  | BFW-VOKD-020<br>157.51 | 1      | 10      | 299       |
| 2-1/2 | BFW-BOKD-025<br>59.85  | BFW-EOKD-025<br>73.38  | BFW-VOKD-025<br>170.01 | 1      | 10      | 299       |
| 3     | BFW-BOKD-030<br>64.88  | BFW-EOKD-030<br>93.01  | BFW-VOKD-030<br>192.41 | 1      | 10      | 299       |
| 4     | BFW-BOKD-040<br>71.23  | BFW-EOKD-040<br>102.61 | BFW-VOKD-040<br>230.66 | 1      | 10      | 299       |
| 6     | BFW-BOKD-060<br>108.23 | BFW-EOKD-060<br>121.67 | BFW-VOKD-060<br>508.55 | 1      | 10      | 299       |
| 8     | BFW-BOKD-080<br>143.16 | BFW-EOKD-080<br>165.22 | BFW-VOKD-080<br>570.46 | 1      | 10      | 299       |

## CPVC Wafer Butterfly Valve Overhaul Kits with Disc

| Size  | EPDM                    | Viton®                  | Std Pk | Mstr Pk | Disc Code |
|-------|-------------------------|-------------------------|--------|---------|-----------|
| 2     | BFW-EOKD-020C<br>77.07  | BFW-VOKD-020C<br>162.89 | 1      | 10      | 299       |
| 2-1/2 | BFW-EOKD-025C<br>103.71 | BFW-VOKD-025C<br>187.19 | 1      | 10      | 299       |
| 3     | BFW-EOKD-030C<br>107.40 | BFW-VOKD-030C<br>222.02 | 1      | 10      | 299       |

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Butterfly Valve Accessories & Repair Kits



## PVC True Lug Valve Overhaul Kits

| Size  | Buna-N                | EPDM                  | Viton®                | Std Pk | Mstr Pk | Disc Code |
|-------|-----------------------|-----------------------|-----------------------|--------|---------|-----------|
| 1-1/2 | BFT-BOK-015<br>32.83  | BFT-EOK-015<br>37.23  | BFT-VOK-015<br>123.27 | 1      | 10      | 299       |
| 2     | BFT-BOK-020<br>42.53  | BFT-EOK-020<br>51.72  | BFT-VOK-020<br>139.86 | 1      | 10      | 299       |
| 2-1/2 | BFT-BOK-025<br>47.45  | BFT-EOK-025<br>62.82  | BFT-VOK-025<br>149.52 | 1      | 10      | 299       |
| 3     | BFT-BOK-030<br>55.74  | BFT-EOK-030<br>67.94  | BFT-VOK-030<br>163.89 | 1      | 10      | 299       |
| 4     | BFT-BOK-040<br>62.83  | BFT-EOK-040<br>78.86  | BFT-VOK-040<br>190.48 | 1      | 10      | 299       |
| 6     | BFT-BOK-060<br>87.28  | BFT-EOK-060<br>95.72  | BFT-VOK-060<br>466.20 | 1      | 10      | 299       |
| 8     | BFT-BOK-080<br>109.98 | BFT-EOK-080<br>137.82 | BFT-VOK-080<br>531.14 | 1      | 10      | 299       |
| 10    | BFT-BOK-100<br>158.00 | BFT-EOK-100<br>185.61 | BFT-VOK-100<br>626.63 | 1      | 10      | 299       |
| 12    | BFT-BOK-120<br>185.04 | BFT-EOK-120<br>213.80 | BFT-VOK-120<br>800.71 | 1      | 15      | 299       |

## CPVC True Lug Valve Overhaul Kits

| Size  | Buna-N                 | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|------------------------|------------------------|--------|---------|-----------|
| 1-1/2 | BFT-BOK-015C<br>39.76  | BFT-EOK-015C<br>43.36  | BFT-VOK-015C<br>142.69 | 1      | 10      | 299       |
| 2     | BFT-BOK-020C<br>50.02  | BFT-EOK-020C<br>63.06  | BFT-VOK-020C<br>158.09 | 1      | 10      | 299       |
| 2-1/2 | BFT-BOK-025C<br>62.21  | BFT-EOK-025C<br>68.29  | BFT-VOK-025C<br>169.01 | 1      | 10      | 299       |
| 3     | BFT-BOK-030C<br>70.77  | BFT-EOK-030C<br>79.15  | BFT-VOK-030C<br>183.03 | 1      | 10      | 299       |
| 4     | BFT-BOK-040C<br>78.06  | BFT-EOK-040C<br>97.48  | BFT-VOK-040C<br>215.62 | 1      | 10      | 299       |
| 6     | BFT-BOK-060C<br>111.45 | BFT-EOK-060C<br>123.68 | BFT-VOK-060C<br>557.41 | 1      | 10      | 299       |
| 8     | BFT-BOK-080C<br>124.53 | BFT-EOK-080C<br>151.47 | BFT-VOK-080C<br>619.52 | 1      | 10      | 299       |
| 10    | BFT-BOK-100C<br>178.21 | BFT-EOK-100C<br>207.24 | BFT-VOK-100C<br>695.45 | 1      | 10      | 299       |
| 12    | BFT-BOK-120C<br>231.34 | BFT-EOK-120C<br>283.01 | BFT-VOK-120C<br>886.40 | 1      | 15      | 299       |

## PVC True Lug Valve Overhaul Kits with Disc

| Size  | Buna-N                 | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|------------------------|------------------------|--------|---------|-----------|
| 1-1/2 | BFT-BOKD-015<br>42.19  | BFT-EOKD-015<br>46.56  | BFT-VOKD-015<br>131.48 | 1      | 10      | 299       |
| 2     | BFT-BOKD-020<br>58.64  | BFT-EOKD-020<br>69.17  | BFT-VOKD-020<br>162.39 | 1      | 10      | 299       |
| 2-1/2 | BFT-BOKD-025<br>61.68  | BFT-EOKD-025<br>75.68  | BFT-VOKD-025<br>175.29 | 1      | 10      | 299       |
| 3     | BFT-BOKD-030<br>66.88  | BFT-EOKD-030<br>95.84  | BFT-VOKD-030<br>198.37 | 1      | 10      | 299       |
| 4     | BFT-BOKD-040<br>73.43  | BFT-EOKD-040<br>105.79 | BFT-VOKD-040<br>237.78 | 1      | 10      | 299       |
| 6     | BFT-BOKD-060<br>111.60 | BFT-EOKD-060<br>125.30 | BFT-VOKD-060<br>524.30 | 1      | 10      | 299       |

## PVC True Lug Valve Overhaul Kits with Disc (continued)

| Size | Buna-N                 | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|------|------------------------|------------------------|------------------------|--------|---------|-----------|
| 8    | BFT-BOKD-080<br>147.59 | BFT-EOKD-080<br>170.35 | BFT-VOKD-080<br>588.10 | 1      | 10      | 299       |
| 10   | BFT-BOKD-100<br>252.28 | BFT-EOKD-100<br>285.88 | BFT-VOKD-100<br>650.32 | 1      | 10      | 299       |
| 12   | BFT-BOKD-120<br>309.39 | BFT-EOKD-120<br>329.38 | BFT-VOKD-120<br>855.48 | 1      | 10      | 299       |

## CPVC True Lug Valve Overhaul Kits with Disc

| Size  | Buna-N                  | EPDM                    | Viton®                  | Std Pk | Mstr Pk | Disc Code |
|-------|-------------------------|-------------------------|-------------------------|--------|---------|-----------|
| 1-1/2 | BFT-BOKD-015C<br>45.54  | BFT-EOKD-015C<br>48.71  | BFT-VOKD-015C<br>148.46 | 1      | 10      | 299       |
| 2     | BFT-BOKD-020C<br>69.67  | BFT-EOKD-020C<br>79.46  | BFT-VOKD-020C<br>167.95 | 1      | 10      | 299       |
| 2-1/2 | BFT-BOKD-025C<br>76.40  | BFT-EOKD-025C<br>106.93 | BFT-VOKD-025C<br>193.73 | 1      | 10      | 299       |
| 3     | BFT-BOKD-030C<br>84.47  | BFT-EOKD-030C<br>110.78 | BFT-VOKD-030C<br>228.87 | 1      | 10      | 299       |
| 4     | BFT-BOKD-040C<br>89.99  | BFT-EOKD-040C<br>115.57 | BFT-VOKD-040C<br>294.12 | 1      | 10      | 299       |
| 6     | BFT-BOKD-060C<br>117.17 | BFT-EOKD-060C<br>145.88 | BFT-VOKD-060C<br>621.86 | 1      | 10      | 299       |
| 8     | BFT-BOKD-080C<br>177.95 | BFT-EOKD-080C<br>211.45 | BFT-VOKD-080C<br>668.30 | 1      | 10      | 299       |
| 10    | BFT-BOKD-100C<br>283.90 | BFT-EOKD-100C<br>314.62 | BFT-VOKD-100C<br>753.06 | 1      | 10      | 299       |
| 12    | BFT-BOKD-120C<br>328.13 | BFT-EOKD-120C<br>348.39 | BFT-VOKD-120C<br>966.96 | 1      | 10      | 299       |

True Lug Valve Overhaul Kits include:

- |                              |                     |
|------------------------------|---------------------|
| 1-Seat                       | 1-Seal Carrier      |
| 1-Disc Timing Stop           | 1-Stem Nut          |
| 1-Stem Bushing               | 1-Hex Washer        |
| 1-Lower Stem Bearing         | 1-Round Washer      |
| 2-Stem O-rings               | 2-Bushing O-rings   |
| 1-Upper Disc O-ring          | 1-Lower Disc O-ring |
| 1-Seal Carrier Flange O-ring |                     |

Kits with Disc option include additional replacement Disc

Contact Spears® for pricing on the following additional accessories:

- PTFE Seat Sleeves
- Teflon® Coated Valve Stems

NOT FOR USE WITH COMPRESSED AIR OR GAS



# Needle Valves



Pressure Rating @ 73°F (23°C), Water

PVC or CPVC     235 psi  
 PP                    150 psi

Maximum Service Temperature

PVC     =   140°F (60°C)  
 CPVC   =   200°F (93°C)  
 PP      =   180°F (82°C)

Solid PTFE Stem Seals  
 No Elastomer or Lubricants used

Valves include Panel Mounting Nut

## PVC Needle Valve

| Size | Threaded | Socket | SR Threaded | Std Pk | Mstr Pk | Disc Code |
|------|----------|--------|-------------|--------|---------|-----------|
|------|----------|--------|-------------|--------|---------|-----------|

### Globe Pattern

|     |                   |                   |                     |   |    |     |
|-----|-------------------|-------------------|---------------------|---|----|-----|
| 1/4 | 5591-002<br>67.71 | 5592-002<br>67.71 | ---                 | 1 | 18 | 218 |
| 3/8 | 5591-003<br>67.71 | 5592-003<br>67.71 | ---                 | 1 | 18 | 218 |
| 1/2 | 5591-005<br>75.15 | 5592-005<br>75.15 | 5591-005SR<br>77.17 | 1 | 18 | 218 |

### Angle Pattern

|     |                   |                   |                     |   |    |     |
|-----|-------------------|-------------------|---------------------|---|----|-----|
| 1/4 | 5691-002<br>67.71 | 5692-002<br>67.71 | ---                 | 1 | 18 | 218 |
| 3/8 | 5691-003<br>67.71 | 5692-003<br>67.71 | ---                 | 1 | 18 | 218 |
| 1/2 | 5691-005<br>75.15 | 5692-005<br>75.15 | 5691-005SR<br>77.17 | 1 | 18 | 218 |

## CPVC Needle Valve

| Size | Threaded | Socket | SR Threaded | Std Pk | Mstr Pk | Disc Code |
|------|----------|--------|-------------|--------|---------|-----------|
|------|----------|--------|-------------|--------|---------|-----------|

### Globe Pattern

|     |                    |                    |                      |   |    |     |
|-----|--------------------|--------------------|----------------------|---|----|-----|
| 1/4 | 5591-002C<br>79.74 | 5592-002C<br>79.74 | ---                  | 1 | 18 | 219 |
| 3/8 | 5591-003C<br>79.74 | 5592-003C<br>79.74 | ---                  | 1 | 18 | 219 |
| 1/2 | 5591-005C<br>84.33 | 5592-005C<br>84.33 | 5591-005CSR<br>86.49 | 1 | 18 | 219 |

### Angle Pattern

|     |                    |                    |                      |   |    |     |
|-----|--------------------|--------------------|----------------------|---|----|-----|
| 1/4 | 5691-002C<br>79.74 | 5692-002C<br>79.74 | ---                  | 1 | 18 | 219 |
| 3/8 | 5691-003C<br>79.74 | 5692-003C<br>79.74 | ---                  | 1 | 18 | 219 |
| 1/2 | 5691-005C<br>84.33 | 5692-005C<br>84.33 | 5691-005CSR<br>86.49 | 1 | 18 | 219 |

## PP Needle Valve

| Size | Threaded | Socket | SR Threaded | Std Pk | Mstr Pk | Disc Code |
|------|----------|--------|-------------|--------|---------|-----------|
|------|----------|--------|-------------|--------|---------|-----------|

### Globe Pattern

|     |                    |     |                      |   |    |     |
|-----|--------------------|-----|----------------------|---|----|-----|
| 1/4 | 5591-002P<br>74.61 | --- | ---                  | 1 | 18 | 219 |
| 3/8 | 5591-003P<br>74.61 | --- | ---                  | 1 | 18 | 219 |
| 1/2 | ---                | --- | 5591-005PSR<br>82.51 | 1 | 18 | 219 |

### Angle Pattern

|     |                    |     |                      |   |    |     |
|-----|--------------------|-----|----------------------|---|----|-----|
| 1/4 | 5691-002P<br>74.61 | --- | ---                  | 1 | 18 | 219 |
| 3/8 | 5691-003P<br>74.61 | --- | ---                  | 1 | 18 | 219 |
| 1/2 | ---                | --- | 5691-005PSR<br>82.51 | 1 | 18 | 219 |

NOT FOR USE WITH COMPRESSED AIR OR GAS

Spears® Manufacturing Company

Progressive Products from Spears® Innovation and Technology

# Diaphragm Valves



Socket/Threaded Style



Spigot Style



Flanged Style



PP Thread Style

**Pressure Rating @ 73°F (23°C), Water**

|  |         |
|--|---------|
| 1/2" - 2"  | 235 psi |
| 1/2" - 4" Flanged<br>& Valves w/PTFE<br>Diaphragms | 150 psi |
| 6"   | 100 psi |
| 8"   | 75 psi  |

**Maximum Service Temperature**

|                     |
|---------------------|
| PVC = 140°F (60°C)  |
| CPVC = 200°F (93°C) |
| PP = 180°F (82°C)   |

Temperature/Pressure De-ratings Apply  
 No Lubricants in Media Contact Area  
 See Diaphragm Valve Repair Kits Section  
 for Additional Options and Features

**Contact Spears® for Pricing on  
 Additional Specialty Diaphragms**

- Hypalon®
- Hypalon® backed PTFE
- PTFE Encapsulated O-rings  
 (for True Union Style Valves)



## Diaphragm Valves

### PVC - Threaded & Socket Ends (True Union Style Uses End Connector O-ring Seals)

| Size  | EPDM Seals & Diaphragm | Viton® Seals & Diaphragm | EPDM Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|--------------------------|---|---|---|--------|---------|-----------|
| 1/2   | 2729-005<br>131.26     | 2739-005<br>145.84       | 2729T-005<br>209.22                     | 2739T-005<br>232.14                       | 2739VT-005<br>286.34                        | 1      | 12      | 270       |
| 3/4   | 2729-007<br>148.98     | 2739-007<br>165.55       | 2729T-007<br>223.43                     | 2739T-007<br>250.72                       | 2739VT-007<br>309.55                        | 1      | 8       | 270       |
| 1     | 2729-010<br>183.61     | 2739-010<br>201.76       | 2729T-010<br>322.33                     | 2739T-010<br>334.12                       | 2739VT-010<br>394.32                        | 1      | 8       | 270       |
| 1-1/4 | 2729-012<br>274.85     | 2739-012<br>326.80       | 2729T-012<br>443.12                     | 2739T-012<br>469.70                       | 2739VT-012<br>531.44                        | 1      | 4       | 270       |
| 1-1/2 | 2729-015<br>288.90     | 2739-015<br>334.33       | 2729T-015<br>473.06                     | 2739T-015<br>496.73                       | 2739VT-015<br>550.78                        | 1      | 4       | 270       |
| 2     | 2729-020<br>341.79     | 2739-020<br>405.04       | 2729T-020<br>539.43                     | 2739T-020<br>566.53                       | 2739VT-020<br>690.85                        | 1      | 0       | 270       |

### PVC - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

| Size  | EPDM Seals & Diaphragm | Viton® Seals & Diaphragm | EPDM Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|--------------------------|---|---|---|--------|---------|-----------|
| 1/2   | 2721-005SR<br>131.26   | 2731-005SR<br>145.84     | 2721T-005SR<br>209.22                   | 2731T-005SR<br>232.14                     | 2731VT-005SR<br>286.34                      | 1      | 12      | 270       |
| 3/4   | 2721-007SR<br>148.98   | 2731-007SR<br>165.55     | 2721T-007SR<br>223.43                   | 2731T-007SR<br>250.72                     | 2731VT-007SR<br>309.55                      | 1      | 8       | 270       |
| 1     | 2721-010SR<br>183.61   | 2731-010SR<br>201.76     | 2721T-010SR<br>322.33                   | 2731T-010SR<br>334.12                     | 2731VT-010SR<br>394.32                      | 1      | 8       | 270       |
| 1-1/4 | 2721-012SR<br>274.85   | 2731-012SR<br>326.80     | 2721T-012SR<br>443.12                   | 2731T-012SR<br>469.70                     | 2731VT-012SR<br>531.44                      | 1      | 4       | 270       |
| 1-1/2 | 2721-015SR<br>288.90   | 2731-015SR<br>334.33     | 2721T-015SR<br>473.06                   | 2731T-015SR<br>496.73                     | 2731VT-015SR<br>550.78                      | 1      | 4       | 270       |
| 2     | 2721-020SR<br>341.79   | 2731-020SR<br>405.04     | 2721T-020SR<br>539.43                   | 2731T-020SR<br>566.53                     | 2731VT-020SR<br>690.85                      | 1      | 0       | 270       |

### PVC - Spigot Ends

| Size  | EPDM Diaphragm     | Viton® Diaphragm   | EPDM Backed PTFE Diaphragm | Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|--------------------|--------------------|----------------------------|------------------------------|--------|---------|-----------|
| 1/2   | 2727-005<br>127.96 | 2737-005<br>142.16 | 2797T-005<br>202.02        | 2797VT-005<br>233.82         | 1      | 12      | 270       |
| 3/4   | 2727-007<br>144.17 | 2737-007<br>159.55 | 2797T-007<br>215.56        | 2797VT-007<br>256.72         | 1      | 8       | 270       |
| 1     | 2727-010<br>178.94 | 2737-010<br>194.87 | 2797T-010<br>314.69        | 2797VT-010<br>366.35         | 1      | 8       | 270       |
| 1-1/4 | 2727-012<br>266.05 | 2737-012<br>320.47 | 2797T-012<br>432.82        | 2797VT-012<br>480.89         | 1      | 4       | 270       |
| 1-1/2 | 2727-015<br>281.69 | 2737-015<br>325.97 | 2797T-015<br>461.30        | 2797VT-015<br>526.90         | 1      | 4       | 270       |
| 2     | 2727-020<br>331.18 | 2737-020<br>391.06 | 2797T-020<br>523.24        | 2797VT-020<br>644.09         | 1      | 0       | 270       |

NOT FOR USE WITH COMPRESSED AIR OR GAS

# Diaphragm Valves



## PVC - Flanged Ends

| Size  | EPDM Diaphragm      | Viton® Diaphragm    | EPDM Backed PTFE Diaphragm | Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|---------------------|---------------------|----------------------------|------------------------------|--------|---------|-----------|
| 1/2   | 2723-005<br>209.59  | 2733-005<br>226.89  | 2793T-005<br>286.34        | 2793VT-005<br>314.31         | 4      | 0       | 270       |
| 3/4   | 2723-007<br>235.51  | 2733-007<br>241.47  | 2793T-007<br>309.55        | 2793VT-007<br>349.21         | 4      | 0       | 270       |
| 1     | 2723-010<br>264.96  | 2733-010<br>296.32  | 2793T-010<br>394.32        | 2793VT-010<br>442.23         | 4      | 0       | 270       |
| 1-1/4 | 2723-012<br>359.91  | 2733-012<br>398.44  | 2793T-012<br>531.44        | 2793VT-012<br>586.63         | 1      | 4       | 270       |
| 1-1/2 | 2723-015<br>364.22  | 2733-015<br>406.63  | 2793T-015<br>550.78        | 2793VT-015<br>612.03         | 1      | 4       | 270       |
| 2     | 2723-020<br>432.93  | 2733-020<br>463.14  | 2793T-020<br>617.71        | 2793VT-020<br>706.19         | 1      | 0       | 270       |
| 2-1/2 | 2723-025<br>604.73  | 2733-025<br>691.23  | 2793T-025<br>955.18        | 2793VT-025<br>1094.04        | 1      | 0       | 271       |
| 3     | 2723-030<br>808.54  | 2733-030<br>898.44  | 2793T-030<br>1252.55       | 2793VT-030<br>1385.94        | 1      | 0       | 271       |
| 4     | 2723-040<br>1120.00 | 2733-040<br>1221.34 | 2793T-040<br>1735.76       | 2793VT-040<br>1928.56        | 1      | 0       | 271       |
| 6     | 2723-060<br>2705.80 | 2733-060<br>3167.98 | 2793T-060<br>4494.84       | 2793VT-060<br>4939.44        | 1      | 0       | 271       |
| 8     | 2723-080<br>5410.06 | 2733-080<br>5700.85 | 2793T-080<br>6670.97       | 2793VT-080<br>7494.49        | 1      | 0       | 271       |

## CPVC - Threaded & Socket Ends (True Union Style Uses End Connector O-ring Seals)

| Size  | EPDM Seals & Diaphragm | Viton® Seals & Diaphragm | EPDM Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|--------------------------|---|---|---|--------|---------|-----------|
| 1/2   | 2729-005C<br>232.39    | 2739-005C<br>297.83      | 2729T-005C<br>334.05                    | 2739T-005C<br>359.62                      | 2739VT-005C<br>397.76                       | 1      | 12      | 272       |
| 3/4   | 2729-007C<br>258.64    | 2739-007C<br>317.54      | 2729T-007C<br>368.93                    | 2739T-007C<br>385.63                      | 2739VT-007C<br>426.53                       | 1      | 8       | 272       |
| 1     | 2729-010C<br>298.51    | 2739-010C<br>386.12      | 2729T-010C<br>448.55                    | 2739T-010C<br>467.90                      | 2739VT-010C<br>513.88                       | 1      | 8       | 272       |
| 1-1/4 | 2729-012C<br>448.36    | 2739-012C<br>533.47      | 2729T-012C<br>619.02                    | 2739T-012C<br>640.91                      | 2739VT-012C<br>697.17                       | 1      | 4       | 272       |
| 1-1/2 | 2729-015C<br>461.63    | 2739-015C<br>540.04      | 2729T-015C<br>628.63                    | 2739T-015C<br>664.96                      | 2739VT-015C<br>718.56                       | 1      | 4       | 272       |
| 2     | 2729-020C<br>491.70    | 2739-020C<br>616.34      | 2729T-020C<br>691.28                    | 2739T-020C<br>766.02                      | 2739VT-020C<br>847.27                       | 1      | 0       | 272       |

## CPVC - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

| Size  | EPDM Seals & Diaphragm | Viton® Seals & Diaphragm | EPDM Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|--------------------------|---|---|---|--------|---------|-----------|
| 1/2   | 2721-005CSR<br>232.39  | 2731-005CSR<br>297.83    | 2721T-005CSR<br>334.05                  | 2731T-005CSR<br>359.62                    | 2731VT-005CSR<br>397.76                     | 1      | 12      | 272       |
| 3/4   | 2721-007CSR<br>258.64  | 2731-007CSR<br>317.54    | 2721T-007CSR<br>368.93                  | 2731T-007CSR<br>385.63                    | 2731VT-007CSR<br>426.53                     | 1      | 8       | 272       |
| 1     | 2721-010CSR<br>298.51  | 2731-010CSR<br>386.12    | 2721T-010CSR<br>448.55                  | 2731T-010CSR<br>467.90                    | 2731VT-010CSR<br>513.88                     | 1      | 8       | 272       |
| 1-1/4 | 2721-012CSR<br>448.36  | 2731-012CSR<br>533.47    | 2721T-012CSR<br>619.02                  | 2731T-012CSR<br>640.91                    | 2731VT-012CSR<br>697.17                     | 1      | 4       | 272       |
| 1-1/2 | 2721-015CSR<br>461.63  | 2731-015CSR<br>540.04    | 2721T-015CSR<br>628.63                  | 2731T-015CSR<br>664.96                    | 2731VT-015CSR<br>718.56                     | 1      | 4       | 272       |
| 2     | 2721-020CSR<br>491.70  | 2731-020CSR<br>616.34    | 2721T-020CSR<br>691.28                  | 2731T-020CSR<br>766.02                    | 2731VT-020CSR<br>847.27                     | 1      | 0       | 272       |

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# Diaphragm Valves

## CPVC - Spigot Ends

| Size  | EPDM Diaphragm      | Viton® Diaphragm    | EPDM Backed PTFE Diaphragm | Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|---------------------|---------------------|----------------------------|------------------------------|--------|---------|-----------|
| 1/2   | 2727-005C<br>226.54 | 2737-005C<br>288.47 | 2797T-005C<br>324.63       | 2797VT-005C<br>362.63        | 1      | 12      | 272       |
| 3/4   | 2727-007C<br>251.47 | 2737-007C<br>307.69 | 2797T-007C<br>357.78       | 2797VT-007C<br>395.79        | 1      | 8       | 272       |
| 1     | 2727-010C<br>292.12 | 2737-010C<br>375.32 | 2797T-010C<br>437.19       | 2797VT-010C<br>481.81        | 1      | 8       | 272       |
| 1-1/4 | 2727-012C<br>437.04 | 2737-012C<br>518.85 | 2797T-012C<br>602.41       | 2797VT-012C<br>667.43        | 1      | 4       | 272       |
| 1-1/2 | 2727-015C<br>446.77 | 2737-015C<br>524.27 | 2797T-015C<br>612.82       | 2797VT-015C<br>678.18        | 1      | 4       | 272       |
| 2     | 2727-020C<br>479.30 | 2737-020C<br>600.52 | 2797T-020C<br>673.69       | 2797VT-020C<br>744.67        | 1      | 0       | 272       |

## CPVC - Flanged Ends

| Size  | EPDM Diaphragm       | Viton® Diaphragm     | EPDM Backed PTFE Diaphragm | Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|----------------------|----------------------|----------------------------|------------------------------|--------|---------|-----------|
| 1/2   | 2723-005C<br>280.98  | 2733-005C<br>310.30  | 2793T-005C<br>405.03       | 2793VT-005C<br>449.23        | 4      | 0       | 272       |
| 3/4   | 2723-007C<br>314.17  | 2733-007C<br>347.01  | 2793T-007C<br>433.04       | 2793VT-007C<br>479.03        | 4      | 0       | 272       |
| 1     | 2723-010C<br>386.86  | 2733-010C<br>432.62  | 2793T-010C<br>532.13       | 2793VT-010C<br>590.23        | 4      | 0       | 272       |
| 1-1/4 | 2723-012C<br>494.27  | 2733-012C<br>566.24  | 2793T-012C<br>671.71       | 2793VT-012C<br>742.51        | 1      | 4       | 272       |
| 1-1/2 | 2723-015C<br>500.83  | 2733-015C<br>580.17  | 2793T-015C<br>802.37       | 2793VT-015C<br>883.81        | 1      | 4       | 272       |
| 2     | 2723-020C<br>560.91  | 2733-020C<br>629.06  | 2793T-020C<br>891.54       | 2793VT-020C<br>990.14        | 1      | 0       | 272       |
| 2-1/2 | 2723-025C<br>1018.93 | 2733-025C<br>1137.95 | 2793T-025C<br>1759.59      | 2793VT-025C<br>2081.02       | 1      | 0       | 273       |
| 3     | 2723-030C<br>1537.84 | 2733-030C<br>1708.70 | 2793T-030C<br>2314.74      | 2793VT-030C<br>2559.87       | 1      | 0       | 273       |
| 4     | 2723-040C<br>2111.91 | 2733-040C<br>2346.07 | 2793T-040C<br>3076.83      | 2793VT-040C<br>3282.69       | 1      | 0       | 273       |
| 6     | 2723-060C<br>3865.85 | 2733-060C<br>5543.20 | 2793T-060C<br>6765.99      | 2793VT-060C<br>8816.48       | 1      | 0       | 273       |
| 8     | 2723-080C<br>7727.12 | 2733-080C<br>9978.37 | 2793T-080C<br>10090.10     | 2793VT-080C<br>11210.35      | 1      | 0       | 273       |

## PP - SR Threaded Ends (True Union Style Uses End Connector O-ring Seals)

| Size  | EPDM Seals & Diaphragm | Viton® Seals & Diaphragm | EPDM Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & EPDM Backed PTFE Diaphragm | Viton® Seals & Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|------------------------|--------------------------|---|---|---|--------|---------|-----------|
| 1/2   | 2721-005PSR<br>134.82  | 2731-005PSR<br>149.99    | 2721T-005PSR<br>215.53                  | 2731T-005PSR<br>226.88                    | 2731VT-005PSR<br>256.59                     | 1      | 12      | 280       |
| 3/4   | 2721-007PSR<br>153.55  | 2731-007PSR<br>170.35    | 2721T-007PSR<br>225.65                  | 2731T-007PSR<br>239.43                    | 2731VT-007PSR<br>281.09                     | 1      | 8       | 280       |
| 1     | 2721-010PSR<br>189.94  | 2731-010PSR<br>209.28    | 2721T-010PSR<br>328.95                  | 2731T-010PSR<br>346.06                    | 2731VT-010PSR<br>365.13                     | 1      | 8       | 280       |
| 1-1/4 | 2721-012PSR<br>288.47  | 2731-012PSR<br>321.22    | 2721T-012PSR<br>450.38                  | 2731T-012PSR<br>472.19                    | 2731VT-012PSR<br>524.01                     | 1      | 4       | 280       |
| 1-1/2 | 2721-015PSR<br>301.74  | 2731-015PSR<br>334.96    | 2721T-015PSR<br>480.29                  | 2731T-015PSR<br>503.60                    | 2731VT-015PSR<br>542.39                     | 1      | 4       | 280       |
| 2     | 2721-020PSR<br>350.94  | 2731-020PSR<br>390.00    | 2721T-020PSR<br>547.97                  | 2731T-020PSR<br>574.95                    | 2731VT-020PSR<br>624.86                     | 1      | 0       | 280       |

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# Diaphragm Valves



## PP - Flanged Ends

| Size  | EPDM Diaphragm       | Viton® Diaphragm     | EPDM Backed PTFE Diaphragm | Viton® Backed PTFE Diaphragm | Std Pk | Mstr Pk | Disc Code |
|-------|----------------------|----------------------|----------------------------|------------------------------|--------|---------|-----------|
| 2-1/2 | 2723-025P<br>646.52  | 2733-025P<br>714.46  | 2793T-025P<br>1017.22      | 2793VT-025P<br>1136.01       | 1      | 0       | 281       |
| 3     | 2723-030P<br>924.44  | 2733-030P<br>1021.38 | 2793T-030P<br>1406.76      | 2793VT-030P<br>1568.65       | 1      | 0       | 281       |
| 4     | 2723-040P<br>1330.17 | 2733-040P<br>1464.46 | 2793T-040P<br>1875.24      | 2793VT-040P<br>2079.93       | 1      | 0       | 281       |
| 6     | 2723-060P<br>3291.95 | 2733-060P<br>3657.72 | 2793T-060P<br>4699.95      | 2793VT-060P<br>5312.49       | 1      | 0       | 281       |
| 8     | 2723-080P<br>8195.43 | 2733-080P<br>7378.19 | 2793T-080P<br>8531.82      | 2793VT-080P<br>14376.83      | 1      | 0       | 281       |

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# Tee-Style "Zero Dead-Leg" Diaphragm Valves



Valves are produced to order in Diaphragm Valve sizes 1/2" - 2" and virtually any user specified Mainline Socket Tee size available.

Tee-Style Valve material options include PVC, CPVC, or LXT (Low Extractable) PVC.

Valve End Connection options include Spigot, Socket or patented Special Reinforced (SR) Female Plastic Thread.

Diaphragm Options include EPDM, Viton®, PTFE with bonded EPDM backing, or PTFE with bonded Viton® backing.

**Pressure Rating @ 73°F (23°C), Water**  
**Valve Sizes 1/2" - 2" (20mm - 63mm)**  
**235 psi with Elastomer Diaphragms**  
**150 psi with PTFE Diaphragms**

**Maximum Service Temperature**  
**PVC = 140°F (60°C)**  
**CPVC = 200°F (93°C)**  
**Temperature/Pressure De-ratings Apply**

## CONTACT SPEARS® FOR SELECTION ASSISTANCE & PRICING

### Quick View Selection Chart

The following Base Part Numbers must be completed according to desired configuration size. Contact Spears® for the appropriate Tee size x Valve size code designations to replace the "xxx" in each.

| Diaphragm Material  | PVC Base Part Number |              |                | Pressure Rating @ 73°F (23°C) |
|---------------------|----------------------|--------------|----------------|-------------------------------|
|                     | Spigot               | Socket       | SR Threaded    |                               |
| EPDM                | 2727ZD-xxx           | 2729ZD-xxx   | 2721ZD-xxxSR   | 1/2" - 2" 235 psi             |
| Viton®              | 2737ZD-xxx           | 2739ZD-xxx   | 2731ZD-xxxSR   |                               |
| PTFE, EPDM Backing  | 2797TZD-xxx          | 2729TZD-xxx  | 2721TZD-xxxSR  | 1/2" - 2" 150 psi             |
| PTFE Viton® Backing | 2797VTZD-xxx         | 2739VTZD-xxx | 2731VTZD-xxxSR |                               |

| Diaphragm Material  | CPVC Base Part Number |               |                 | Pressure Rating @ 73°F (23°C) |
|---------------------|-----------------------|---------------|-----------------|-------------------------------|
|                     | Spigot                | Socket        | SR Threaded     |                               |
| EPDM                | 2727ZD-xxxC           | 2729ZD-xxxC   | 2721ZD-xxxCSR   | 1/2" - 2" 235 psi             |
| Viton®              | 2737ZD-xxxC           | 2739ZD-xxxC   | 2731ZD-xxxCSR   |                               |
| PTFE, EPDM Backing  | 2797TZD-xxxC          | 2729TZD-xxxC  | 2721TZD-xxxCSR  | 1/2" - 2" 150 psi             |
| PTFE Viton® Backing | 2797VTZD-xxxC         | 2739VTZD-xxxC | 2731VTZD-xxxCSR |                               |

| Diaphragm Material  | Low Extractable LXT PVC Base Part Number |                |                  | Pressure Rating @ 73°F (23°C) |
|---------------------|--|----------------|------------------|-------------------------------|
|                     | Spigot                                   | Socket         | SR Threaded      |                               |
| EPDM                | 2727ZD-xxxBL                             | 2729ZD-xxxBL   | 2721ZD-xxxSRBL   | 1/2" - 2" 235 psi             |
| Viton®              | 2737ZD-xxxBL                             | 2739ZD-xxxBL   | 2731ZD-xxxSRBL   |                               |
| PTFE, EPDM Backing  | 2797TZD-xxxBL                            | 2729TZD-xxxBL  | 2721TZD-xxxSRBL  | 1/2" - 2" 150 psi             |
| PTFE Viton® Backing | 2797VTZD-xxxBL                           | 2739VTZD-xxxBL | 2731VTZD-xxxSRBL |                               |

**Note:** LXT PVC Valves are typically used with elastomer backed PTFE Diaphragms to maintain purity in most applications. Tee-Style Zero Dead-Leg Diaphragm Valves are a non-stock configuration. All orders are non-cancelable, non-returnable.

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# Diaphragm Valve Repair Kits



## True Union Style Diaphragm Valve Repair Kits

| Size | EPDM | Viton® | Std Pk | Mstr Pk | Disc Code |
|------|------|--------|--------|---------|-----------|
|------|------|--------|--------|---------|-----------|

### O-rings & Elastomer Diaphragm

| Size           | EPDM                 | Viton®               | Std Pk | Mstr Pk | Disc Code |
|----------------|----------------------|----------------------|--------|---------|-----------|
| 1/2            | DV-ERK-005<br>45.79  | DV-VRK-005<br>100.13 | 1      | 10      | 299       |
| 3/4            | DV-ERK-007<br>51.99  | DV-VRK-007<br>108.53 | 1      | 10      | 299       |
| 1              | DV-ERK-010<br>65.04  | DV-VRK-010<br>120.50 | 1      | 10      | 299       |
| 1-1/4 OR 1-1/2 | DV-ERK-015<br>89.73  | DV-VRK-015<br>203.71 | 1      | 10      | 299       |
| 2              | DV-ERK-020<br>106.79 | DV-VRK-020<br>242.39 | 1      | 10      | 299       |

### O-rings & EPDM Backed PTFE Diaphragm

| Size           | EPDM                  | Viton®                | Std Pk | Mstr Pk | Disc Code |
|----------------|-----------------------|-----------------------|--------|---------|-----------|
| 1/2            | DV-TERK-005<br>121.88 | DV-TVrk-005<br>127.07 | 1      | 10      | 299       |
| 3/4            | DV-TERK-007<br>136.03 | DV-TVrk-007<br>141.17 | 1      | 10      | 299       |
| 1              | DV-TERK-010<br>164.13 | DV-TVrk-010<br>166.11 | 1      | 10      | 299       |
| 1-1/4 OR 1-1/2 | DV-TERK-015<br>224.85 | DV-TVrk-015<br>227.55 | 1      | 10      | 299       |
| 2              | DV-TERK-020<br>262.23 | DV-TVrk-020<br>269.66 | 1      | 10      | 299       |

### O-rings & Viton® Backed PTFE Diaphragm

| Size           | EPDM                   | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|----------------|------------------------|------------------------|--------|---------|-----------|
| 1/2            | DV-VTERK-005<br>140.33 | DV-VTVrk-005<br>156.74 | 1      | 10      | 299       |
| 3/4            | DV-VTERK-007<br>147.10 | DV-VTVrk-007<br>166.13 | 1      | 10      | 299       |
| 1              | DV-VTERK-010<br>180.88 | DV-VTVrk-010<br>201.11 | 1      | 10      | 299       |
| 1-1/4 OR 1-1/2 | DV-VTERK-015<br>315.78 | DV-VTVrk-015<br>327.09 | 1      | 5       | 299       |
| 2              | DV-VTERK-020<br>321.07 | DV-VTVrk-020<br>463.90 | 1      | 5       | 299       |

## Diaphragm Only - Elastomer

| Size           | EPDM                  | Viton®                 | Std Pk | Mstr Pk | Disc Code |
|----------------|-----------------------|------------------------|--------|---------|-----------|
| 1/2            | 27-39-00541A<br>36.55 | 27-39-00542A<br>78.48  | 1      | 0       | 901       |
| 3/4            | 27-39-00741A<br>59.57 | 27-39-00742A<br>97.00  | 1      | 0       | 901       |
| 1              | 27-39-01041A<br>52.73 | 27-39-01042A<br>122.74 | 1      | 0       | 901       |
| 1-1/4 OR 1-1/2 | 27-39-01541<br>59.29  | 27-39-01542<br>159.85  | 1      | 0       | 901       |
| 2              | 27-39-02041<br>85.57  | 27-39-02042<br>196.71  | 1      | 0       | 901       |
| 3              | 27-39-03041<br>176.16 | 27-39-03042<br>501.70  | 1      | 0       | 901       |
| 4              | 27-39-04041<br>201.32 | 27-39-04042<br>855.19  | 1      | 0       | 901       |
| 6              | 27-39-06041<br>434.39 | 27-39-06042<br>2700.62 | 1      | 0       | 901       |
| 8              | 27-39-08041<br>707.45 | 27-39-08042<br>4884.09 | 1      | 0       | 901       |

## Diaphragm Only - PTFE with Elastomer Backing

| Size           | PTFE/EPDM              | PTFE/Viton®            | Std Pk | Mstr Pk | Disc Code |
|----------------|------------------------|------------------------|--------|---------|-----------|
| 1/2            | 27-39-00565A<br>105.85 | 27-39-00566A<br>122.00 | 1      | 0       | 299       |
| 3/4            | 27-39-00765A<br>118.41 | 27-39-00766A<br>127.14 | 1      | 0       | 299       |
| 1              | 27-39-01065A<br>132.07 | 27-39-01066A<br>157.01 | 1      | 0       | 299       |
| 1-1/4 OR 1-1/2 | 27-39-01565<br>196.40  | 27-39-01566<br>319.81  | 100    | 0       | 299       |
| 2              | 27-39-02065<br>228.74  | 27-39-02066<br>360.32  | 100    | 0       | 299       |
| 3              | 27-39-03065<br>627.60  | 27-39-03066<br>778.38  | 1      | 0       | 299       |
| 4              | 27-39-04065<br>1218.99 | 27-39-04066<br>1338.61 | 10     | 0       | 299       |
| 6              | 27-39-06065<br>2693.80 | 27-39-06066<br>2995.24 | 1      | 0       | 299       |
| 8              | 27-39-08065<br>4883.70 | 27-39-08066<br>5379.49 | 1      | 0       | 299       |

True Union Diaphragm Repair Kits include:

- 1-Diaphragm
- 2-End Connector O-rings

Contact Spears® for Pricing on Additional Specialty Diaphragms

- Hypalon®
- Hypalon® backed PTFE
- PTFE Encapsulated O-rings (for True Union Style Valves)

# Watch for New Product Announcements from Spears® Innovation and Technology



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