

Valves Product  
**Industrial Swing Check Valves**



**Industrial Swing Check Valves**



**Threaded Bonnet on Sizes 3/4", 1" & 1-1/4"**      **Bolted Bonnet on Sizes 1-1/2" & Up**  
 (Valve Shown with Arrow Indicator Option)

Pressure Rating @ 73°F (23°C), Water  
 3/4" - 4" 150 psi  
 6" 100 psi  
 8" 70 psi

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

Temperature/Pressure De-ratings Apply

All Valves Assembled with Silicone-Free Lubricants

**General Installation Information:** Swing check valves are designed for horizontal installations, but may be installed in up-flow only vertical position. Check valves MUST be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec.

**Industrial Swing Check Valves**

| Size       | EPDM                | FKM                 | Std Pk | Mstr Pk | Prod Code |
|------------|---------------------|---------------------|--------|---------|-----------|
| <b>PVC</b> |                     |                     |        |         |           |
| 3/4        | 4423-007<br>542.79  | 4433-007<br>574.15  | 1      | 12      | 108       |
| 1          | 4423-010<br>625.52  | 4433-010<br>681.69  | 1      | 4       | 108       |
| 1-1/4      | 4423-012<br>782.45  | 4433-012<br>827.87  | 1      | 0       | 108       |
| 1-1/2      | 4423-015<br>857.77  | 4433-015<br>958.31  | 1      | 0       | 108       |
| 2          | 4423-020<br>987.52  | 4433-020<br>1097.26 | 1      | 0       | 108       |
| 2-1/2      | 4423-025<br>1652.68 | 4433-025<br>1949.67 | 1      | 0       | 110       |
| 3          | 4423-030<br>1848.28 | 4433-030<br>2422.08 | 1      | 0       | 110       |
| 4          | 4423-040<br>2355.80 | 4433-040<br>2765.92 | 1      | 0       | 110       |
| 6          | 4423-060<br>4477.18 | 4433-060<br>5255.02 | 1      | 0       | 110       |

**Industrial Swing Check Valves (continued)**

| Size        | EPDM                  | FKM                   | Std Pk | Mstr Pk | Prod Code |
|-------------|-----------------------|-----------------------|--------|---------|-----------|
| <b>PVC</b>  |                       |                       |        |         |           |
| 8           | 4423-080<br>8578.55   | 4433-080<br>10027.19  | 1      | 0       | 110       |
| <b>CPVC</b> |                       |                       |        |         |           |
| 3/4         | 4423-007C<br>857.63   | 4433-007C<br>953.05   | 1      | 12      | 109       |
| 1           | 4423-010C<br>988.96   | 4433-010C<br>1099.64  | 1      | 4       | 109       |
| 1-1/4       | 4423-012C<br>1237.09  | 4433-012C<br>1373.92  | 1      | 0       | 109       |
| 1-1/2       | 4423-015C<br>1276.33  | 4433-015C<br>1734.64  | 1      | 0       | 109       |
| 2           | 4423-020C<br>1645.86  | 4433-020C<br>1828.72  | 1      | 0       | 109       |
| 2-1/2       | 4423-025C<br>2727.52  | 4433-025C<br>3236.66  | 1      | 0       | 111       |
| 3           | 4423-030C<br>3407.04  | 4433-030C<br>3665.95  | 1      | 0       | 111       |
| 4           | 4423-040C<br>3909.45  | 4433-040C<br>4610.53  | 1      | 0       | 111       |
| 6           | 4423-060C<br>8000.73  | 4433-060C<br>8762.43  | 1      | 0       | 111       |
| 8           | 4423-080C<br>14276.06 | 4433-080C<br>16694.46 | 1      | 0       | 111       |
| <b>PP</b>   |                       |                       |        |         |           |
| 3/4         | 4423-007P<br>624.15   | 4433-007P<br>693.47   | 1      | 12      | 113       |
| 1           | 4423-010P<br>746.67   | 4433-010P<br>813.78   | 1      | 4       | 113       |
| 1-1/4       | 4423-012P<br>894.91   | 4433-012P<br>994.25   | 1      | 0       | 113       |
| 1-1/2       | 4423-015P<br>1111.11  | 4433-015P<br>1209.04  | 1      | 0       | 113       |
| 2           | 4423-020P<br>1187.98  | 4433-020P<br>1334.80  | 1      | 0       | 113       |
| 2-1/2       | 4423-025P<br>1977.98  | 4433-025P<br>2200.20  | 1      | 0       | 112       |
| 3           | 4423-030P<br>2079.48  | 4433-030P<br>2486.60  | 1      | 0       | 112       |
| 4           | 4423-040P<br>2828.55  | 4433-040P<br>3139.66  | 1      | 0       | 112       |
| 6           | 4423-060P<br>5358.08  | 4433-060P<br>5958.13  | 1      | 0       | 112       |
| 8           | 4423-080P<br>10256.16 | 4433-080P<br>11270.55 | 1      | 0       | 112       |

**Swing Check Valve With Arrow Indicator**

| Size       | EPDM                | FKM                  | Std Pk | Mstr Pk | Prod Code |
|------------|---------------------|----------------------|--------|---------|-----------|
| <b>PVC</b> |                     |                      |        |         |           |
| 3/4        | 4423I-007<br>551.72 | 4433I-007<br>583.09  | 1      | 12      | 108       |
| 1          | 4423I-010<br>634.43 | 4433I-010<br>710.27  | 1      | 4       | 108       |
| 1-1/4      | 4423I-012<br>810.22 | 4433I-012<br>890.35  | 1      | 0       | 108       |
| 1-1/2      | 4423I-015<br>939.63 | 4433I-015<br>1026.59 | 1      | 0       | 108       |



# Industrial Swing Check Valves

## Industrial Swing Check Valves

### Swing Check Valve With Arrow Indicator (continued)

| Size       | EPDM                 | FKM                   | Std Pk | Mstr Pk | Prod Code |
|------------|----------------------|-----------------------|--------|---------|-----------|
| <b>PVC</b> |                      |                       |        |         |           |
| 2          | 4423I-020<br>1017.39 | 4433I-020<br>1110.54  | 1      | 0       | 108       |
| 2-1/2      | 4423I-025<br>1662.11 | 4433I-025<br>1849.05  | 1      | 0       | 110       |
| 3          | 4423I-030<br>1935.67 | 4433I-030<br>1849.05  | 1      | 0       | 110       |
| 4          | 4423I-040<br>2365.36 | 4433I-040<br>2811.04  | 1      | 0       | 110       |
| 6          | 4423I-060<br>4486.53 | 4433I-060<br>5298.31  | 1      | 0       | 110       |
| 8          | 4423I-080<br>8714.91 | 4433I-080<br>10078.43 | 1      | 0       | 110       |

**CPVC**

|       |                        |                        |   |    |     |
|-------|------------------------|------------------------|---|----|-----|
| 3/4   | 4423I-007C<br>867.11   | 4433I-007C<br>961.94   | 1 | 12 | 109 |
| 1     | 4423I-010C<br>997.88   | 4433I-010C<br>1110.35  | 1 | 4  | 109 |
| 1-1/4 | 4423I-012C<br>1231.12  | 4433I-012C<br>1386.41  | 1 | 0  | 109 |
| 1-1/2 | 4423I-015C<br>1416.00  | 4433I-015C<br>1755.92  | 1 | 0  | 109 |
| 2     | 4423I-020C<br>1658.73  | 4433I-020C<br>1876.52  | 1 | 0  | 109 |
| 2-1/2 | 4423I-025C<br>2736.79  | 4433I-025C<br>3282.45  | 1 | 0  | 111 |
| 3     | 4423I-030C<br>2937.14  | 4433I-030C<br>3819.11  | 1 | 0  | 111 |
| 4     | 4423I-040C<br>3935.48  | 4433I-040C<br>4637.77  | 1 | 0  | 111 |
| 6     | 4423I-060C<br>8119.54  | 4433I-060C<br>8771.92  | 1 | 0  | 111 |
| 8     | 4423I-080C<br>14291.40 | 4433I-080C<br>16747.24 | 1 | 0  | 111 |

### Industrial Swing Check Valve With Arrow Indicator

| Size      | EPDM                  | FKM                   | Std Pk | Mstr Pk | Prod Code |
|-----------|-----------------------|-----------------------|--------|---------|-----------|
| <b>PP</b> |                       |                       |        |         |           |
| 3/4       | 4423I-007P<br>633.06  | 4433I-007P<br>702.40  | 1      | 12      | 113       |
| 1         | 4423I-010P<br>759.16  | 4433I-010P<br>876.25  | 1      | 4       | 113       |
| 1-1/4     | 4423I-012P<br>975.22  | 4433I-012P<br>1082.54 | 1      | 0       | 113       |
| 1-1/2     | 4423I-015P<br>1253.65 | 4433I-015P<br>1082.54 | 1      | 0       | 113       |
| 2         | 4423I-020P<br>1220.77 | 4433I-020P<br>1384.33 | 1      | 0       | 113       |
| 2-1/2     | 4423I-025P<br>1989.48 | 4433I-025P<br>2229.56 | 1      | 0       | 112       |
| 3         | 4423I-030P<br>2479.48 | 4433I-030P<br>2587.95 | 1      | 0       | 112       |
| 4         | 4423I-040P<br>2840.05 | 4433I-040P<br>3151.22 | 1      | 0       | 112       |
| 6         | 4423I-060P<br>5473.73 | 4433I-060P<br>6008.35 | 1      | 0       | 112       |

### Industrial Swing Check Valve With Arrow Indicator (continued)

| Size      | EPDM                   | FKM                    | Std Pk | Mstr Pk | Prod Code |
|-----------|------------------------|------------------------|--------|---------|-----------|
| <b>PP</b> |                        |                        |        |         |           |
| 8         | 4423I-080P<br>10332.55 | 4433I-080P<br>11384.46 | 1      | 0       | 112       |

Contact Spears® for MSRP on Additional Specialty Valve Accessories Available:

- Arrow Indicator Kits for Field Installation
- Counter Balance Kits for Field Installation

### Swing Check Valve With Counter Balance

| Size       | EPDM                  | FKM                    | Std Pk | Mstr Pk | Prod Code |
|------------|-----------------------|------------------------|--------|---------|-----------|
| <b>PVC</b> |                       |                        |        |         |           |
| 3/4        | 4423CB-007<br>858.57  | 4433CB-007<br>918.87   | 1      | 8       | 108       |
| 1          | 4423CB-010<br>960.43  | 4433CB-010<br>1028.77  | 1      | 4       | 108       |
| 1-1/4      | 4423CB-012<br>1160.09 | 4433CB-012<br>1205.95  | 1      | 0       | 108       |
| 1-1/2      | 4423CB-015<br>1244.68 | 4433CB-015<br>1453.72  | 1      | 0       | 108       |
| 2          | 4423CB-020<br>1373.27 | 4433CB-020<br>1662.24  | 1      | 0       | 108       |
| 2-1/2      | 4423CB-025<br>2066.46 | 4433CB-025<br>2362.75  | 1      | 0       | 110       |
| 3          | 4423CB-030<br>2327.18 | 4433CB-030<br>2685.08  | 1      | 0       | 110       |
| 4          | 4423CB-040<br>2788.47 | 4433CB-040<br>3198.57  | 1      | 0       | 110       |
| 6          | 4423CB-060<br>4971.82 | 4433CB-060<br>4971.82  | 1      | 0       | 110       |
| 8          | 4423CB-080<br>9968.21 | 4433CB-080<br>10512.37 | 1      | 0       | 110       |

**CPVC**

|       |                         |                         |   |    |     |
|-------|-------------------------|-------------------------|---|----|-----|
| 3/4   | 4423CB-007C<br>1331.12  | 4433CB-007C<br>1451.08  | 1 | 12 | 109 |
| 1     | 4423CB-010C<br>1444.28  | 4433CB-010C<br>1569.74  | 1 | 4  | 109 |
| 1-1/4 | 4423CB-012C<br>1231.12  | 4433CB-012C<br>1691.04  | 1 | 0  | 109 |
| 1-1/2 | 4423CB-015C<br>1691.04  | 4433CB-015C<br>1955.54  | 1 | 0  | 109 |
| 2     | 4423CB-020C<br>2197.95  | 4433CB-020C<br>2380.85  | 1 | 0  | 109 |
| 2-1/2 | 4423CB-025C<br>3317.65  | 4433CB-025C<br>3826.91  | 1 | 0  | 111 |
| 3     | 4423CB-030C<br>3591.60  | 4433CB-030C<br>4758.20  | 1 | 0  | 111 |
| 4     | 4423CB-040C<br>4444.05  | 4433CB-040C<br>5228.61  | 1 | 0  | 111 |
| 6     | 4423CB-060C<br>8707.38  | 4433CB-060C<br>9469.03  | 1 | 0  | 111 |
| 8     | 4423CB-080C<br>14995.01 | 4433CB-080C<br>17413.25 | 1 | 0  | 111 |



**Industrial Swing Check Valves**

**Industrial Swing Check Valve With Counter Balance**

| Size      | EPDM                    | FKM                     | Std Pk | Mstr Pk | Prod Code |
|-----------|-------------------------|-------------------------|--------|---------|-----------|
| <b>PP</b> |                         |                         |        |         |           |
| 3/4       | 4423CB-007P<br>798.91   | 4433CB-007P<br>887.65   | 1      | 12      | 113       |
| 1         | 4423CB-010P<br>955.72   | 4433CB-010P<br>1041.62  | 1      | 4       | 113       |
| 1-1/4     | 4423CB-012P<br>975.22   | 4433CB-012P<br>1500.67  | 1      | 0       | 113       |
| 1-1/2     | 4423CB-015P<br>1378.47  | 4433CB-015P<br>1850.96  | 1      | 0       | 113       |
| 2         | 4423CB-020P<br>1484.98  | 4433CB-020P<br>1668.49  | 1      | 0       | 113       |
| 2-1/2     | 4423CB-025P<br>2292.57  | 4433CB-025P<br>2816.25  | 1      | 0       | 112       |
| 3         | 4423CB-030P<br>2789.39  | 4433CB-030P<br>3489.95  | 1      | 0       | 112       |
| 4         | 4423CB-040P<br>3194.26  | 4433CB-040P<br>3509.14  | 1      | 0       | 112       |
| 6         | 4423CB-060P<br>5943.00  | 4433CB-060P<br>7626.39  | 1      | 0       | 112       |
| 8         | 4423CB-080P<br>10849.49 | 4433CB-080P<br>11863.92 | 1      | 0       | 112       |

**Utility Swing Check Valves**



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

|                            |         |
|----------------------------|---------|
| 1/2" - 4" Full Flow (open) | 150 psi |
| Back Pressure (closed)     | 75 psi  |
| 6" - 8" Full Flow (open)   | 100 psi |
| Back Pressure (closed)     | 50 psi  |

**Maximum Service Temperature**  
140°F (60°C)

**Temperature/Pressure De-ratings Apply**  
EPDM Seat

**General Installation Information:** Swing check valves are designed for horizontal installations, but may be installed in an up-flow only vertical position. Check valves **MUST** be installed with the valve's FLOW arrow pointing in the direction of the flow. Do not install valve upside down. Flow velocity should not exceed 5 ft./sec. Minimum opening pressure less than 0.5 psi.

**Industrial Swing Check Valve Accessory and Repair Kits**

Repair Kits include:

- 1-Bonnet O-ring
- 1-Disc O-ring
- 1-Seat O-ring

- 1-Plug O-ring
- 1-Arm Plug O-ring

**Industrial Swing Check Valve Repair Kits**

| Size          | EPDM                 | FKM                  | Std Pk | Mstr Pk | Prod Code |
|---------------|----------------------|----------------------|--------|---------|-----------|
| 3/4           | SK-ERK-007<br>29.13  | SK-VRK-007<br>35.52  | 1      | 10      | 299       |
| 1             | SK-ERK-010<br>38.05  | SK-VRK-010<br>46.40  | 1      | 10      | 299       |
| 1-1/2 & 1-1/4 | SK-ERK-015<br>90.98  | SK-VRK-015<br>115.06 | 1      | 10      | 299       |
| 2             | SK-ERK-020<br>97.67  | SK-VRK-020<br>119.09 | 1      | 10      | 299       |
| 2-1/2         | SK-ERK-025<br>103.29 | SK-VRK-025<br>132.20 | 1      | 10      | 299       |
| 3             | SK-ERK-030<br>117.11 | SK-VRK-030<br>142.91 | 1      | 10      | 299       |
| 4             | SK-ERK-040<br>127.78 | SK-VRK-040<br>155.81 | 1      | 10      | 299       |
| 6             | SK-ERK-060<br>253.96 | SK-VRK-060<br>299.80 | 1      | 10      | 299       |
| 8             | SK-ERK-080<br>319.55 | SK-VRK-080<br>387.66 | 1      | 10      | 299       |

**PVC White Swing Check**

| Size  | Socket             | Thread              | SR Threaded           | Std Pk | Mstr Pk | Prod Code |
|-------|--------------------|---------------------|-----------------------|--------|---------|-----------|
| 1/2   | S1520-05<br>18.48  | S1520-05F<br>18.48  | S1520-05FSR<br>21.56  | 35     | 0       | 026       |
| 3/4   | S1520-07<br>19.08  | S1520-07F<br>19.08  | S1520-07FSR<br>23.46  | 35     | 0       | 026       |
| 1     | S1520-10<br>19.87  | S1520-10F<br>19.87  | S1520-10FSR<br>25.98  | 20     | 0       | 026       |
| 1-1/4 | S1520-12<br>20.64  | S1520-12F<br>20.64  | S1520-12FSR<br>30.45  | 12     | 0       | 026       |
| 1-1/2 | S1520-15<br>21.88  | S1520-15F<br>21.88  | S1520-15FSR<br>38.62  | 12     | 0       | 026       |
| 2     | S1520-20<br>33.96  | S1520-20F<br>33.96  | S1520-20FSR<br>52.14  | 15     | 0       | 026       |
| 2-1/2 | S1520-25<br>56.49  | S1520-25F<br>56.49  | S1520-25FSR<br>74.67  | 5      | 0       | 026       |
| 3     | S1520-30<br>62.78  | S1520-30F<br>62.78  | S1520-30FSR<br>111.35 | 4      | 0       | 026       |
| 4     | S1520-40<br>88.88  | S1520-40F<br>88.88  | S1520-40FSR<br>139.21 | 2      | 0       | 026       |
| 6     | S1520-60<br>186.77 | S1520-60F<br>186.77 | S1520-60FSR<br>246.35 | 1      | 0       | 026       |
| 8     | S1520-80<br>346.96 | ---                 | ---                   | 1      | 0       | 026       |

**PVC Clear Swing Check**

| Size  | Socket            | Thread             | SR Threaded          | Std Pk | Mstr Pk | Prod Code |
|-------|-------------------|--------------------|----------------------|--------|---------|-----------|
| 1/2   | S1520C05<br>25.13 | S1520C05F<br>25.13 | S1520C05FSR<br>28.20 | 35     | 0       | 026       |
| 3/4   | S1520C07<br>25.63 | S1520C07F<br>25.63 | S1520C07FSR<br>30.05 | 35     | 0       | 026       |
| 1     | S1520C10<br>26.12 | S1520C10F<br>26.12 | S1520C10FSR<br>32.23 | 20     | 0       | 026       |
| 1-1/4 | S1520C12<br>27.42 | S1520C12F<br>27.42 | S1520C12FSR<br>37.20 | 12     | 0       | 026       |
| 1-1/2 | S1520C15<br>29.80 | S1520C15F<br>29.80 | S1520C15FSR<br>46.57 | 12     | 0       | 026       |
| 2     | S1520C20<br>42.91 | S1520C20F<br>42.91 | S1520C20FSR<br>61.07 | 15     | 0       | 026       |