

## Thermoplastic Valves Butterfly Check Valves



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

2" - 8"	150 psi
10" - 16"	100 psi
18" - 24"	50 psi

**Maximum Service Temperature**

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

**Temperature/Pressure De-ratings Apply**

**General Installation Information:** Butterfly Check Valve seating may be affected by normal system turbulence. Flow velocities should be limited to approximately 5 feet per second. Valves should be installed at least 5 pipe diameters away from any fitting, pump or other source of turbulence. If used as a foot valve, do not place near bottom of a tank. Butterfly type check valves should not be used in continuous cycling applications, such as with reciprocating pumps. This can result in premature failure of sealing membrane. In horizontal installations, always orient the Hinge Post Bolts visible on the external body in a vertical (top and bottom) position, perpendicular to flow. In vertical installations downstream from an elbow, flow velocities can be higher on the outer radius of the elbow. To avoid uneven butterfly plate loading, the Hinge Post Bolts should align with crotch and outer radius of elbow and NOT from side to side of the elbow.

**PVC**

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
<b>Wafer</b>					
<b>2</b>	5420-020 <b>385.09</b>	5430-020 <b>424.33</b>	1	18	289
<b>2-1/2</b>	5420-025 <b>530.69</b>	5430-025 <b>584.85</b>	1	0	289
<b>3</b>	5420-030 <b>678.83</b>	5430-030 <b>748.05</b>	1	8	289
<b>4</b>	5420-040 <b>923.19</b>	5430-040 <b>1017.36</b>	1	4	289
<b>6</b>	5420-060 <b>1399.61</b>	5430-060 <b>1542.36</b>	1	0	289
<b>8</b>	5420-080 <b>2374.63</b>	5430-080 <b>2616.83</b>	1	0	289
<b>10</b>	5420-100 <b>4366.31</b>	5430-100 <b>4846.59</b>	1	0	289
<b>12</b>	5420-120 <b>6156.44</b>	5430-120 <b>6833.66</b>	1	0	289
<b>14</b>	5420-140 <b>8793.94</b>	---	1	0	289
<b>16</b>	5420-160 <b>12212.80</b>	---	1	0	289
<b>18</b>	5420-180 <b>15264.85</b>	---	1	0	289
<b>20</b>	5420-200 <b>19081.05</b>	---	1	0	289
<b>24</b>	5420-240 <b>27256.74</b>	---	1	0	289

**Flanged Ends**

<b>2</b>	5423-020 <b>491.20</b>	5433-020 <b>528.24</b>	1	8	289
<b>2-1/2</b>	5423-025 <b>639.32</b>	5433-025 <b>696.11</b>	1	0	289
<b>3</b>	5423-030 <b>918.27</b>	5433-030 <b>1009.59</b>	1	0	289
<b>4</b>	5423-040 <b>1192.26</b>	5433-040 <b>1330.47</b>	1	0	289
<b>6</b>	5423-060 <b>1932.78</b>	5433-060 <b>2211.72</b>	1	0	289
<b>8</b>	5423-080 <b>2769.57</b>	5433-080 <b>3268.20</b>	1	0	289
<b>10</b>	5423-100 <b>5099.79</b>	5433-100 <b>5815.62</b>	1	0	289
<b>12</b>	5423-120 <b>7225.10</b>	5433-120 <b>7685.85</b>	1	0	289
<b>14</b>	5423-140 <b>10187.39</b>	5433-140 <b>10836.99</b>	4	0	289

**PVC (continued)**

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
<b>Flanged Ends</b>					
<b>16</b>	5423-160 <b>14338.77</b>	5433-160 <b>15481.40</b>	1	0	289
<b>18</b>	5423-180 <b>18319.43</b>	5433-180 <b>19595.64</b>	1	0	289
<b>20</b>	5423-200 <b>24077.89</b>	5433-200 <b>25783.73</b>	1	0	289
<b>24</b>	5423-240 <b>31537.47</b>	5433-240 <b>33924.26</b>	1	0	289

**Spigot (Plain End)**

<b>2</b>	5427-020 <b>209.82</b>	5437-020 <b>246.84</b>	1	12	289
<b>2-1/2</b>	5427-025 <b>288.81</b>	5437-025 <b>345.60</b>	1	12	289
<b>3</b>	5427-030 <b>387.54</b>	5437-030 <b>478.87</b>	1	8	289
<b>4</b>	5427-040 <b>508.50</b>	5437-040 <b>646.74</b>	1	4	289
<b>6</b>	5427-060 <b>1081.16</b>	5437-060 <b>1360.10</b>	1	0	289
<b>8</b>	5427-080 <b>1611.90</b>	5437-080 <b>2110.49</b>	1	0	289
<b>10</b>	5427-100 <b>3942.07</b>	5437-100 <b>4657.91</b>	1	0	289
<b>12</b>	5427-120 <b>5339.21</b>	5437-120 <b>6259.09</b>	1	0	289
<b>14</b>	5427-140 <b>7125.66</b>	5437-140 <b>8187.78</b>	1	0	289
<b>16</b>	5427-160 <b>10720.62</b>	5437-160 <b>12569.19</b>	1	0	289
<b>18</b>	5427-180 <b>13400.78</b>	5437-180 <b>15710.07</b>	1	0	289
<b>20</b>	5427-200 <b>16750.52</b>	5437-200 <b>19636.33</b>	1	0	289
<b>24</b>	5427-240 <b>23929.28</b>	5437-240 <b>28050.93</b>	1	0	289

**Threaded Ends**

<b>2</b>	5421A-020 <b>204.89</b>	5431A-020 <b>241.91</b>	1	4	289
<b>2-1/2</b>	5421A-025 <b>278.94</b>	5431A-025 <b>335.69</b>	1	8	289
<b>3</b>	5421A-030 <b>380.15</b>	5431A-030 <b>471.46</b>	1	8	289
<b>4</b>	5421A-040 <b>498.63</b>	5431A-040 <b>636.85</b>	1	4	289

**Schedule 80 PVC Industrial Products & Accessories  
Butterfly Check Valves & Industrial Swing Check Valves**



**Butterfly Check Valves**

**PVC (continued)**

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
<b>Spigot (Plain End)</b>					
<b>18</b>	5427-180 <b>13400.78</b>	5437-180 <b>15710.07</b>	1	0	289
<b>20</b>	5427-200 <b>16750.52</b>	5437-200 <b>19636.33</b>	1	0	289
<b>24</b>	5427-240 <b>23929.28</b>	5437-240 <b>28050.93</b>	1	0	289

**Threaded Ends**

<b>2</b>	5421A-020 <b>204.89</b>	5431A-020 <b>241.91</b>	1	4	289
<b>2-1/2</b>	5421A-025 <b>278.94</b>	5431A-025 <b>335.69</b>	1	8	289
<b>3</b>	5421A-030 <b>380.15</b>	5431A-030 <b>471.46</b>	1	8	289
<b>4</b>	5421A-040 <b>498.63</b>	5431A-040 <b>636.85</b>	1	4	289
<b>6</b>	5421A-060 <b>1061.43</b>	5431A-060 <b>1340.35</b>	1	0	289
<b>8</b>	5421A-080 <b>1594.63</b>	5431A-080 <b>2093.22</b>	1	0	289
<b>10</b>	5421A-100 <b>3934.01</b>	5431A-100 <b>4651.01</b>	1	0	289

**PVC (continued)**

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
<b>Threaded Ends</b>					
<b>12</b>	5421A-120 <b>5332.63</b>	5431A-120 <b>6252.52</b>	1	0	289

**Grooved Ends**

<b>2</b>	542G-020 <b>232.03</b>	543G-020 <b>269.05</b>	1	12	289
<b>2-1/2</b>	542G-025 <b>303.62</b>	543G-025 <b>360.38</b>	1	8	289
<b>3</b>	542G-030 <b>399.88</b>	543G-030 <b>491.20</b>	1	8	289
<b>4</b>	542G-040 <b>538.13</b>	543G-040 <b>676.35</b>	1	4	289
<b>6</b>	542G-060 <b>1125.60</b>	543G-060 <b>1404.55</b>	1	0	289
<b>8</b>	542G-080 <b>1661.24</b>	543G-080 <b>2159.88</b>	1	0	289
<b>10</b>	542G-100 <b>4021.06</b>	543G-100 <b>4736.90</b>	1	0	289
<b>12</b>	542G-120 <b>5445.34</b>	543G-120 <b>6366.09</b>	1	0	289

**Industrial Swing Check Valves**



Threaded Bonnet on Sizes 3/4", 1" & 1-1/4"

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)  
 Temperature/Pressure De-ratings Apply  
 All Valves Assembled with Silicone-Free Lubricants



Bolted Bonnet on Sizes 1-1/2" & Up  
(Valve Shown with Arrow Indicator Option)

**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	Viton®	Std Pk	Mstr Pk	Disc Code
<b>PVC</b>					
<b>3/4</b>	4423-007 <b>465.38</b>	4433-007 <b>492.26</b>	1	12	108
<b>1</b>	4423-010 <b>536.30</b>	4433-010 <b>584.47</b>	1	4	108
<b>1-1/4</b>	4423-012 <b>670.85</b>	4433-012 <b>709.80</b>	1	0	108
<b>1-1/2</b>	4423-015 <b>735.43</b>	4433-015 <b>821.63</b>	1	0	108
<b>2</b>	4423-020 <b>846.67</b>	4433-020 <b>940.77</b>	1	0	108
<b>2-1/2</b>	4423-025 <b>1416.97</b>	4433-025 <b>1671.60</b>	1	0	110
<b>3</b>	4423-030 <b>1584.68</b>	4433-030 <b>2076.63</b>	1	0	110
<b>4</b>	4423-040 <b>2019.80</b>	4433-040 <b>2371.43</b>	1	0	110
<b>6</b>	4423-060 <b>3838.62</b>	4433-060 <b>4505.53</b>	1	0	110
<b>8</b>	4423-080 <b>7355.03</b>	4433-080 <b>8597.06</b>	1	0	110

**Swing Check Valve With Arrow Indicator**

Size	EPDM	Viton®	Std Pk	Mstr Pk	Disc Code
<b>PVC</b>					
<b>3/4</b>	4423I-007 <b>473.02</b>	4433I-007 <b>499.93</b>	1	12	108
<b>1</b>	4423I-010 <b>543.94</b>	4433I-010 <b>608.97</b>	1	4	108
<b>1-1/4</b>	4423I-012 <b>694.66</b>	4433I-012 <b>763.36</b>	1	0	108
<b>1-1/2</b>	4423I-015 <b>805.62</b>	4433I-015 <b>763.36</b>	1	0	108
<b>2</b>	4423I-020 <b>872.28</b>	4433I-020 <b>952.15</b>	1	0	108
<b>2-1/2</b>	4423I-025 <b>1425.05</b>	4433I-025 <b>1585.33</b>	1	0	110
<b>3</b>	4423I-030 <b>1659.60</b>	4433I-030 <b>1585.33</b>	1	0	110
<b>4</b>	4423I-040 <b>2028.00</b>	4433I-040 <b>2410.12</b>	1	0	110
<b>6</b>	4423I-060 <b>3846.64</b>	4433I-060 <b>4542.63</b>	1	0	110
<b>8</b>	4423I-080 <b>7471.94</b>	4433I-080 <b>8640.99</b>	1	0	110