TOP-FLO® Butterfly Valve

Stainless Steel Flow Control Equipment for the Food, Beverage, Dairy, Cosmetics, Biotechnology, Pharmaceutical and Electronics Processing Industries

www.toplineonline.com
TOP-FLO® Butterfly Valves

TOP-FLO® Butterfly Valves stand above others in sanitary and fine chemical fields. The units incorporate advanced design characteristics with the finest craftsmanship and construction. The value they afford is unsurpassed. TOP-FLO® Butterfly Valves underwent extensive testing and field evaluation prior to introduction. Experience and contributions from numerous technical and practical sources have enabled Top Line to assume a deserved leadership position.

**MECHANICAL SPECIFICATIONS**

- Sizes - 1", 1-1/2", 2", 2-1/2", 3", 4" and 6", 8"
- Materials – either type AISA 304 or Type AISA 316L stainless steel
- Seals available – Platinum Cured Silicone (standard), EPDM and FKM
- Connections – clamp, butt-weld and bevel seat (optional). Other connections available upon request
- Four Position Spring Loaded Flat Handle – open, closed and two intermediate settings.
- Pressure – 1" thru 4" to 145 PSI @ 68° F (20° C) 6" to 90 PSI @ 68°F (20 C)
- Temperature range - +15° to 200° F (-10° to 95° C)

**IMPORTANT FEATURES**

- 360° Installation - valve may be installed in any position
- Design minimizes turbulence and maximizes fluid flow through
- Plastic bushings assure extra smooth disc action
- Easy Field Service - few parts - no special tools
- Self Draining
- Wetted Surfaces have sanitary finish
- Air and Electric Actuators available
- Variety of Controls available
- USDA approved

**Replacement Seals**

- Standard: Platinum Cured Silicone
- Optional: FKM or EPDM

**Dimensions**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>&quot;A&quot;</th>
<th>&quot;B&quot;</th>
<th>&quot;C&quot;</th>
<th>&quot;D&quot;</th>
<th>&quot;E&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCH</td>
<td>CM</td>
<td>INCH</td>
<td>CM</td>
<td>INCH</td>
<td>CM</td>
</tr>
<tr>
<td>1</td>
<td>2.540</td>
<td>7.26</td>
<td>1.78</td>
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<td>16.15</td>
<td>12.08</td>
<td>9.91</td>
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<td>19.35</td>
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<td>15.240</td>
<td>38.70</td>
<td>38.10</td>
<td>15.88</td>
<td>38.70</td>
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</table>

"A" - Valve Size  ·  "B" - Face to Face  ·  "C" - Handle - Center to End  ·  "D" - Center to Top of Handle  ·  "E" - Body Diameter

Contact your Top Line Representative for Assistance
Office: P.O. Box 264 · Bradford, PA 16701
Plant: 21 Valley Hunt Drive · Lewis Run, PA 16738
Phone: 800-458-6095
814-362-4626
Fax: 814-362-4453

www.toplineonline.com
TOP-FLO® Value Butterfly Valve

TOP-FLO® value style manual butterfly valves provide unsurpassed quality in a less expensive and easy to use configuration. Ideally suited for both the beer and wine industries, the value style can also be used for other process lines within the food, dairy, and beverage industries.

Features:
- Lightweight thermoplastic handle SS trigger
- 316L Construction for added corrosion resistance
- FDA EPDM seal to withstand elevated temperatures and chemical attack
- Plastic stem bushings provide smooth operation
- ID surface finish meets or exceeds 3A requirements

Mechanical Specifications:
- Sizes: 1”, 1-1/2”, 2”, 2-1/2”, 3”, 4”
- Connections: Clamp end only
- Handle: 12-position trigger type
- Material: 316L (Body & Disc)
- Seal: FDA conforming EPDM
- Pressure Rating: 145PSI @ 68°F (10bar @ 20°C)
- Temperature: 15°F - 215°F (-10° C - 102°C)

<table>
<thead>
<tr>
<th>SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>SEAL MATERIAL</th>
<th>316L STOCK NO.</th>
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<tbody>
<tr>
<td>1</td>
<td>2.60</td>
<td>5.75</td>
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<td>EPDM</td>
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### Manual Butterfly Valve - Part Number Matrix

<table>
<thead>
<tr>
<th>Body/Disc Material &amp; End Connections</th>
<th>Valve Size</th>
<th>Seal Material</th>
<th>Manual Handle Type</th>
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<tbody>
<tr>
<td>38301 316L MATERIAL - CLAMP ENDS</td>
<td>10</td>
<td>EP</td>
<td>M12 12-POSITION SS TRIGGER HANDLE W/ BLUE PLASTIC HANDLE</td>
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<tr>
<td></td>
<td>15</td>
<td>1 1/2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>25</td>
<td>2 1/2”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>3”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>4”</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:**  
AUTOMATION IS NOT AVAILABLE FOR VALUE SERIES BFV

### Manual Butterfly Valve - Part Number Matrix

<table>
<thead>
<tr>
<th>Body/Disc Material &amp; End Connections</th>
<th>Valve Size</th>
<th>Seal Material</th>
<th>Manual Handle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>32201 304 MATERIAL - CLAMP ENDS</td>
<td>05</td>
<td>S Silicone</td>
<td>M9 9-POSITION LOCKABLE TRIGGER HANDLE (304SS)</td>
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<tr>
<td>35128 304 MATERIAL - WELD ENDS</td>
<td>07</td>
<td>EP EPDM</td>
<td>PH4 4-POSITION PULL HANDLE W/ BLACK KNOB</td>
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<tr>
<td>38201 316L MATERIAL - CLAMP ENDS</td>
<td>10</td>
<td>V FKM</td>
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<tr>
<td>39128 316L MATERIAL - WELD ENDS</td>
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<td></td>
<td>20</td>
<td>2”</td>
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<tr>
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<td>3”</td>
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<td>4”</td>
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</tr>
<tr>
<td></td>
<td>60</td>
<td>6”</td>
<td></td>
</tr>
<tr>
<td></td>
<td>80</td>
<td>8”</td>
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</tbody>
</table>

**NOTES:**  
M9 9-POSITION HANDLES ARE FOR SIZES 1” - 4” ONLY  
8” VALVE ONLY AVAILABLE IN CLAMP ENDS / EPDM SEAL / PH4 HANDLE  
PH4 HANDLE NOT AVAILABLE FOR 6” VALVE

### Automated Butterfly Valve - Part Number Matrix

<table>
<thead>
<tr>
<th>Body/Disc Material &amp; End Connections</th>
<th>Series</th>
<th>Valve Size</th>
<th>Seal Material</th>
<th>Automation Type</th>
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<tbody>
<tr>
<td>32 304 MATERIAL - CLAMP ENDS</td>
<td>S</td>
<td>05</td>
<td>S Silicone</td>
<td>A1 TA SERIES DOUBLE ACTING - 80 PSI AIR SUPPLY</td>
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<tr>
<td>35 304 MATERIAL - WELD ENDS</td>
<td>07</td>
<td>3/4”</td>
<td>E EPDM</td>
<td>A2 TA SERIES DOUBLE ACTING - 60 PSI AIR SUPPLY</td>
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<tr>
<td>38 316L MATERIAL - CLAMP ENDS</td>
<td>10</td>
<td>1”</td>
<td>V FKM</td>
<td>A3 SS (R&amp;P) DOUBLE ACTING - 80 PSI AIR SUPPLY</td>
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<tr>
<td>39 316L MATERIAL - WELD ENDS</td>
<td>15</td>
<td>1 1/2”</td>
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<td>A4 SS (R&amp;P) DOUBLE ACTING - 60 PSI AIR SUPPLY</td>
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<tr>
<td></td>
<td>20</td>
<td>2”</td>
<td></td>
<td>A4 TA SERIES SPRING RETURN - 80 PSI AIR SUPPLY</td>
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<tr>
<td></td>
<td>25</td>
<td>2 1/2”</td>
<td></td>
<td>A4 TA SERIES SPRING RETURN - 60 PSI AIR SUPPLY</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>3”</td>
<td></td>
<td>A4 SS (R&amp;P) SPRING RETURN - 80 PSI AIR SUPPLY</td>
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<tr>
<td></td>
<td>40</td>
<td>4”</td>
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<td>A4 SS (R&amp;P) SPRING RETURN - 60 PSI AIR SUPPLY</td>
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<td></td>
<td>60</td>
<td>6”</td>
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<td>A4 WE SERIES - 115VAC - NEMA 4.4X.6 - OPEN/CLOSE</td>
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<tr>
<td></td>
<td>80</td>
<td>8”</td>
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<td>A4 WE SERIES - 24VDC - NEMA 4.4X.6 - OPEN/CLOSE</td>
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<td>E1 WE SERIES - 115VAC - NEMA 4.4X.6 - OPEN/CLOSE</td>
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<td>E2 WE SERIES - 24VDC - NEMA 4.4X.6 - OPEN/CLOSE</td>
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<td>E3 WE SERIES - 220VAC - NEMA 4.4X.6 - OPEN/CLOSE</td>
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<td>C1 SS CANISTER - SPRING RETURN - 80 PSI AIR SUPPLY</td>
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<td>EM3 WEM SERIES - 220VAC - NEMA 4.4X.6 - 4-20mA MODULATING</td>
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</tbody>
</table>

**NOTES:**  
ACTUATOR OPTION CODES C1 & C2 ARE FOR VALVE SIZES 1” - 4” ONLY  
(SS CANISTER TYPE ACTUATOR)