Butterfly Valve

**I Application**
Butterfly valves, whether manually or automatically operated, can be used in most liquid product applications in the food-processing, pharmaceutical and chemical industries.

**I Operating principle**
The butterfly valve can be operated automatically through an actuator or manually with a handle.
The handle blocks the valve in the "open" or "closed" position, although there are also other models with intermediate positions.
The actuator transforms the axial movement of the piston into a 90° rotary movement which it transmits to the disc.

**I Design and features**
Compact and robust design.
Multi-position handle as standard feature for valves up to DN-100/4".
Two-position handle as standard feature for valves starting from DN-100/4".
Several models of easily interchangeable manual handles and pneumatic or electric actuators.
Low pressure losses.
Body halves interchangeable with any connection type.
Connections: DIN 11850.
Traceability of components.

**I Materials**
Disc and body halves: AISI 316L (forged)
Handle: AISI 304 / PP
Other st.st. parts: AISI 304
Gasket: EPDM according to FDA 177.2600
Internal surface finish: $Ra \leq 0.8 \mu m$
External surface finish: Machined

**I Options**
Valve in AISI 304.
Gaskets: NBR, VMQ or FPM.
Connections: Clamp, SMS, RJT, FIL-IDF, etc.
Two sizes for multi-position handle.
Handles: two-position, lever, micrometric, with safety lock, etc.
Electric actuator or single- or double-acting actuator, the size is determined by the operating torque of the valve.
Electro-pneumatic positioner.
Inductive position sensors.
C-TOP control unit (inductive position sensors or microswitches).
ATEX version available.
I Technical specifications

Available sizes
DN 10 - DN 200
DN ½” - DN 8"

Max. working temperature
-10 ºC to +120 ºC (EPDM)
+140 ºC (SIP, max. 30 min)
14 ºF to 248 ºF
284 ºF

Min. working pressure
0,2 bar (abs.P)
3 PSI (abs.P)

Max. working pressure
10 bar (DN 10 - DN 100)
8 bar (DN 125 - DN 150)
5 bar (DN 200)
145 PSI (DN ½” - DN 4’’)
116 PSI (DN 5” - DN 6’’)
72,5 PSI (DN 8”)

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<thead>
<tr>
<th>DN</th>
<th>10 1/5”</th>
<th>15 3/4”</th>
<th>20 2”</th>
<th>25 2 1/2”</th>
<th>32 1”</th>
<th>40 1 1/2”</th>
<th>50 2”</th>
<th>65 2 1/2”</th>
<th>80 3”</th>
<th>100 4”</th>
<th>125 5”</th>
<th>150 6”</th>
<th>200 8”</th>
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</thead>
<tbody>
<tr>
<td>OPERATING TORQUE (N·m)</td>
<td>6 6 6 8 9 10 14 15 18 18 20 25 55 70 90</td>
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Test pressure 10 kg/cm²

* With two-position handle only

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