

BUTTERFLY VALVES



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Application

Butterfly valves are universal and economical on/off routing valves used for isolation and control in food processing pipelines.

Features

They are sanitary valves that offer low flow resistance and reversible flow direction providing gentle treatment of product.

Valve maintenance is easy and valves have long service life.

All flanges with the same diameter are interchangeable thus allowing any combination of outlets as well as combinations between different standards.

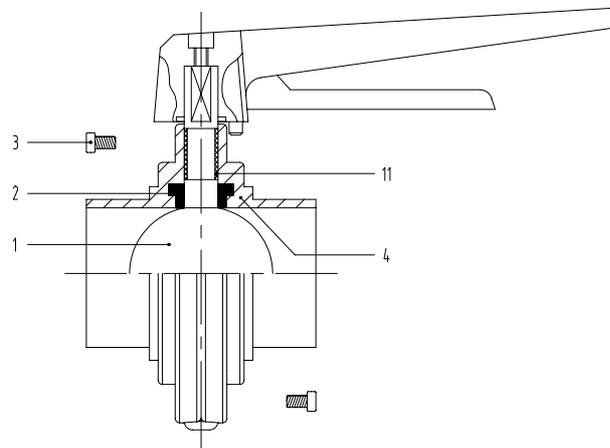
Valves can be operated manually or pneumatically.

Manual valves are available with a wide choice of handles that lock in intermediate positions, so that the flowrate can be regulated.

Pneumatic valves are available with a full range of accessories, including horizontal and vertical single-, double-acting and flow control actuators, control tops and electrical components.

All handles and actuators are fitted onto the valve with the same connection. This allows for great flexibility and increased savings during extensions or modifications of processing lines.

Components



| PARTS LIST | | |
|------------|-----------|---|
| 1 | Butterfly | Aisi 316L |
| 2 | Seal | Silicone, EPDM, FTM, PTFE-coated FTM, PTFE + silicone |
| 3 | Screw | Aisi 304L |
| 4 | Flange | Aisi 304L/Aisi 316L |
| 11 | Bush | PTFE |

Technical Data

Max. product pressure: 700 kPa (7 bar); for valves with PTFE seals max 200 kPa (2 bar).

Recommended working pressure: 600 kPa (6 bar).

General temperature range: -10°C +95°C (+15°F +205°F).

Seals temperature range:

- silicone: -50°C +200°C (-60°F +390°F);
- EPDM: -30°C +140°C (-20°F +280°F);
- FTM: -15°C +220°C (+5°F +430°F);
- PTFE-coated FTM: -10°C +150°C (+15°F +300°F);
- PTFE + silicone: -10°C +150°C (+15°F +300°F).

Finish: 120 grit (max R_a 1.01-1.14 μm , 40-45 $\mu\text{''}$).

Production range:

- manual butterfly valves from DN 10 to DN 250 and ½" to 10";
- pneumatic butterfly valves from DN 25 to DN 100 and 1" to 4".

Connections: welding end, expanding end, threaded end, liner + nut, bend, flange, ferrule end.

Standards: DIN, SMS, RJT BS, IDF ISS, BSP, Eno, Macon, Clamp.

Steel grades: Aisi 304L, Aisi 316L.

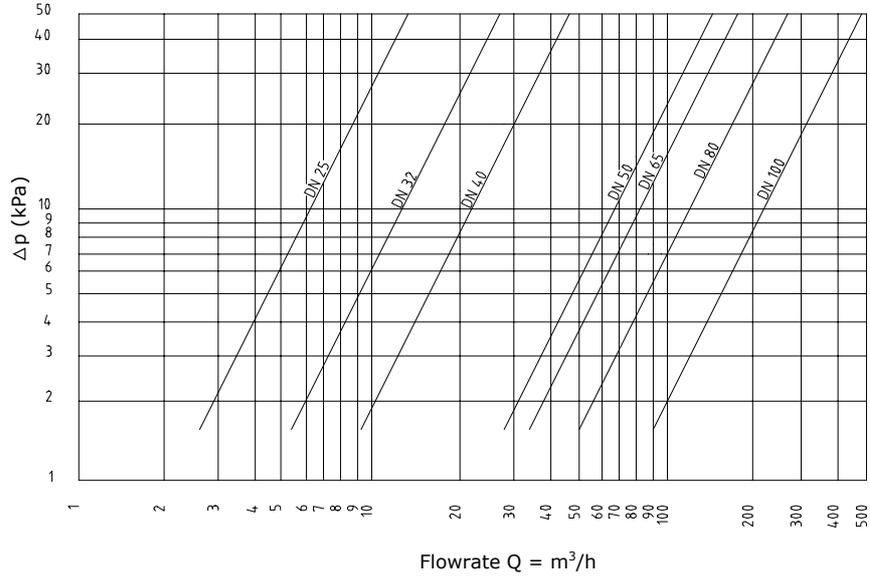
Torque Ratings

Butterfly valves with silicone seal:

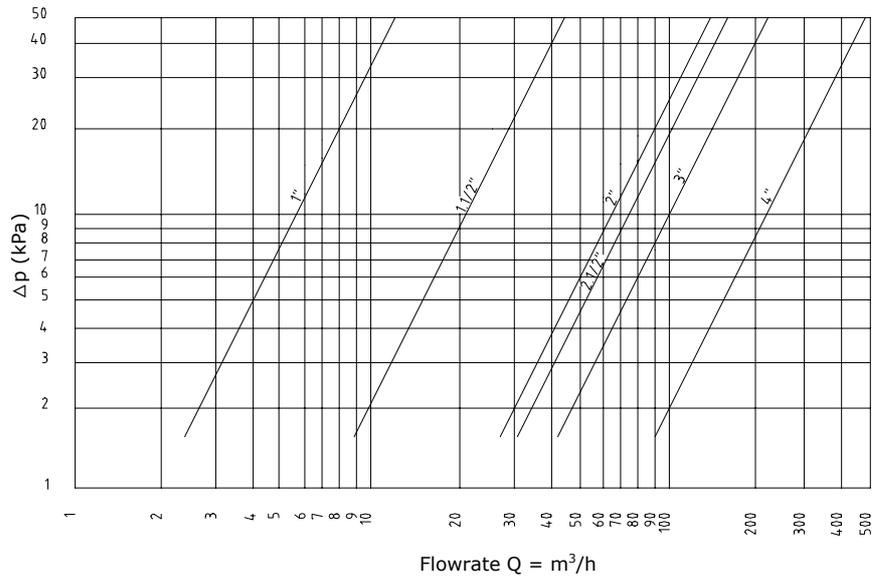
| DIAMETER | OPEN [90°] | CLOSE [0°] |
|----------|---------------|---------------|
| 1" | 1 NW | 5 NW |
| 1 ½" | 1 NW | 5 NW |
| 2" | 2 NW | 17 NW |
| 2 ½" | 5 NW | 28 NW |
| 3" | 6 NW | 32 NW |

Pressure Drop

Butterfly valves DIN:



Butterfly valves SMS, RJT BS, IDF ISS, Clamp:



For further technical information, section and dimensional drawings and range of models available please refer to our series of product brochures, technical catalogues and valve manuals.