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 90º 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.
Butterfly Valve

I Technical specifications

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

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

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

Max. working pressure
10 bar (DN 10 - DN 100) (1)
145 PSI (DN ½" - DN 4") (1)
8 bar (DN 125 - DN 150) (2)
116 PSI (DN 5" - DN 6") (2)
5 bar (DN 200) (2)
72,5 PSI (DN 8") (2)

Note (1): Classified according to Directive 97/23/CE as Category I valves for use with fluids of Group 1
Note (2): Classified according to Directive 97/23/CE as Category I valves for use with fluids of Group 2

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Test pressure 10 kg/cm²

* With two-position handle only