



B5104 Series Butterfly Valve



Application

Get control with the Bradford™ B5104 sanitary butterfly valve. The slim design, superior craftsmanship, 316L materials, top quality strength and surface finish make the B5104 the preference of many wineries, breweries and a multitude of other industries with sanitary requirements. Various elastomers, end types and accessories make this a highly versatile valve.

Working Principle

The B5104 is actuated manually with a handle, or controlled remotely by an actuator. The actuator is available in pneumatic or electric designs.

Manual actuation of the valve is achieved with a 4-position push handle. The quarter turn handle is equipped with 4 stop devices at the open, closed and intermediate positions of 30° and 60°. The push handle is available as standard counter clockwise (CCW) to open or with a clockwise (CW) hub to open.

Pneumatic actuators are available in three styles:

- air to open - spring to close (ATO/STC)
- air to close - spring to open (ATC/STO)
- double acting (ATO/ATC)

The vertical cylindrical design of the actuator translates axial travel of the piston into a 90° rotary movement of the shaft. Rack and pinion design is also available.

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Features and Benefits

- Low resistance to flow
- Bi-directional flow
- Gentle to media
- Suitable for low and medium viscosity fluids
- Space-saving, lightweight favored by wineries
- Field serviceable (no special tools required)
- Self-draining
- Various manual or automatic operations available
- 100% tested / 100% inspected
- Various end configurations (see page 5 for options)
- 316L construction
- All wetted surfaces are sanitary finished to $\leq 32R_a$
- Seat materials available (silicone, EPDM, FKM)
- Sizes from 1" - 4"