I Application

Ball valves, whether manually or automatically operated, are used mainly with viscous fluids containing solid particles, and, generally, in applications requiring an unobstructed flow. Suitable for the food-processing, beverage, wine-making, oil-making, cosmetic and chemical industries.

I Operating principle

The ball valve can be operated automatically with an actuator or manually with a handle. The handle blocks the valve in the "open" or "closed" position. The actuator transforms the axial movement of the piston into a 90° rotary movement which it transmits to the ball.

I Design and features

- Compact and robust design.
- Available in sizes DN 25/1" to DN 100/4".
- Two-position handle.
- Easily interchangeable manual handles and pneumatic or electrical actuators.
- Low pressure losses.
- Half-bodies exchangeable with any connection type.
- Clamp/OD connections.
- Marking of seals allows traceability.

I Materials

- Ball: AISI 316L / 316
- Flanges: AISI 316L / 316 (forged)
- Gasket: EPDM according to FDA 177.2600
- Handle: AISI 304 / PP
- Surface finish: Hygienic polish

I Options

- Valve in AISI 304.
- Seals in NBR, VMQ or FPM. All of them according to FDA 177.2600.
- Connections: welding, DIN, Clamp, SMS, RJT, FIL-IDF, etc.
- Handle, lever, safety handle with lock, etc.
- Single- or double-acting pneumatic actuator or electrical actuator.
- Position sensors (micro-switches or inductive switches).
- C-TOP control head.
- Cleaning and drainage connections.
- Third hole.
I Technical specifications

Max. pressure
- 145 PSI (DN 25 - 65 / DN 1" - 2 ½")
- 116 PSI (DN 80 - 100 / DN 3" - 4")

Working temperature
- 14 ºF to +248 ºF (EPDM)

Operating torque (Lb.ft.)

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