

Simple and Effective, The Ball Valve

5308/5309 Series Ball Valves

2.8

Concept

Ball valves are ideal for applications requiring a full flow body design to minimize line turbulence and pressure drop. An encapsulated seat option is available for critical process applications requiring maximum reduction of potential for product entrapment.

Standard Design

The Ball valve consists of a stainless steel body that houses a rotating ball. The rotating ball is sealed in the body with a PTFE seat that either partially or fully encapsulates the ball. The valve is activated by a stainless steel handle that opens and closes the valve through a quarter turn. The valve can also be operated by an optional ¼ turn pneumatic or electric actuator. External thrust springs maintain constant pressure on the stem packing. The stem and packing design eliminate the possibility of the stem becoming dislodged or blown out.



TECHNICAL DATA

Temperature

Temperature range: -20°C to 150°C (EPDM)

Pressure

Max. product pressure: 400 kPa (40 bar)

Min. product pressure: Full vacuum

PHYSICAL DATA

Materials

Valve body	CF3M9 (316L)
Ball & Stem	1.4401 (316L)
Handle	1.4301 (304)
External surface finish	Semi-bright (blasted)
Internal surface finish	Bright (polished), Ra ≤ 0.5 µm
Product wetted seals	PTFE
Actuator surface	Epoxy coated