

Ball Valve

Overview

Sterling Valves and Controls manufactures a versatile range of Processes Ball Valves in single, two, and three-piece constructions. The valves are available in full-bore and regular-bore designs, in a variety of end connections and materials to suit customer requirements.

The valves are of floating-ball design where the ball moves towards the downstream seat, under pressure, to effect a tight seal. Ball Valves are designed to offer reliable control, on-off, and emergency shutdown performance in a wide range of end-use applications and customer industries.

PRODUCTS

Specifications

SIZES RANGE

- Floating type: ¼" to 8" (8 mm to 200 mm)
- Trunnion mounted (TMBV) type: 2" to 56" (50 mm to 1400 mm)

PRESSURE RATING

- Floating type: Class 150 to Class 2500.
- Trunnion mounted (TMBV) type: Class 150 to Class 1500.

DESIGN STANDARDS

- BS EN ISO 17292, API 608, API 6D

TESTING STANDARD

- API 598, API 6D.

END CONNECTION

- BS EN ISO 17292, API 608, API 6D

Operations

MANUAL

- Bare-shaft, lever & Gearbox.

AUTOMATION

- Electric, Pneumatic, and Hydraulic Actuators.



End Connection

SCOPE

STANDARD

Socket-Weld Ends

ASME B16.11

Screwed-End BSPT

ISO 7-1

Screwed-End NPT

ASME B1.20.1

End Flange

ASME B16.5 RF/ FF/ RTJ

Tri Clover End

Special Features

- **Tight shut-off obtained against any differential pressures.**
- **High rangeability, characterization, and precise modulation.**
- **Allows to use fast actuating to perform emergency operation**
- **High capacity unrestricted flow passage in fully open position.**
- **Special design for sensitive control assures that scraping action.**
- **Compact design that assures great resistance against piping forces**
- **Special design for sensitive control assured for the valve service life**
- **Low emission to meet Fugitive Emission & "TA-Luft" requirements**

Versatile Range:

- **Single, two and three piece constructions**
- **Full-bore and regular-bore designs**
- **Soft and metal-seated**
- **Offered in carbon steel, stainless steel and duplex stainless steels**
- **Screwed, socket-weld and flanged ends**
- **ASME classes up to 2500**
- **Variety of actuated options**