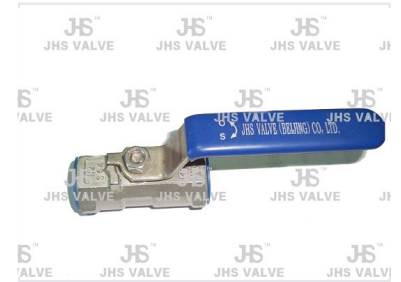


One-Piece Ball Valve

This one-piece ball valve is designed for controlling the flow of fluids or gases in pipelines. It features a flexible sealing structure and a V-shape packing structure for enhanced sealing.



Product Overview

One-Piece Ball Valve

This one-piece ball valve is engineered for reliable flow control in demanding industrial environments. It features a robust design with a full-diameter passage to minimize fluid resistance and facilitate pipeline cleaning. Equipped with advanced safety features like anti-static structures, fire-safe lip seals, and anti-error locking mechanisms, this valve ensures operational safety and longevity across various media applications.

Technical Specifications

Model	BT-1R
Nominal Pressure	1000 PSI WOG (6.4 MPa)
Applicable Temperature	-20 to 232 °C
Applicable Media	Water, Oil, Gas, Corrosive Liquids
Threaded Types	NPT, BSPT, BSP, DIN 259, DIN 2999

Design Features

Key Design Features

- Unique valve stem flexible sealing structure
- V-shape packing for enhanced stem seal strength
- Anti-extrusion inverted stem sealing
- Anti-static structure for hazardous media
- Double inclined plane flexible seat seal
- Anti-scour seat design
- Fire safety lip seal
- Full diameter passage
- Anti-error handle locking mechanism

Pressure Ratings

Pressure and Test Data

Test Type	1.6 MPa	2.5 MPa	4 MPa	6.4 MPa
Housing Test (MPa)	2.4	3.75	6	9.6
Sealing Test (MPa)	1.76	2.75	4.4	7.04