

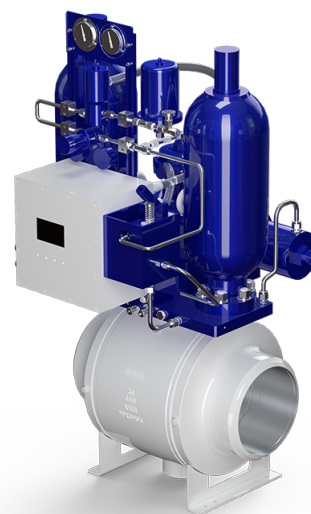
BALL VALVE

Fully Welded Ball Valve

REF **EFC-445** ISSUED 06 Jul 2026

SPECIFICATIONS

Size	DN50 to DN1500
Pressure	Class 150 / PN10 to Class 2500 / PN420
End connection	flanged (ASME B16.5 / ASME B16.47 / GB/T 9113 / JB/T 79 / HG/T 20592 / EN 1092 / GOST 33259) / butt-weld (ASME B16.25 / GB/T 12224)
Face-to-face	ASME B16.10, GB/T 12221, EN 558
Temperature	-60°C to 250°C
Media	petroleum / crude oil, natural gas, gas, chemical fluids, water (urban supply), metallurgical process fluids, light-industry fluids, power-station fluids, cryogenic media (low-temperature service)



ACTUATION

- manual lever/handwheel
- gear operator
- electric actuator
- pneumatic actuator
- hydraulic actuator

STANDARDS

Design	API 6D, ASME B16.34, ISO 14313, ISO 17292, GB/T 30818, GB/T 37827
Test	API 598, API 6D, GB/T 13927, JB/T 9092, GOST 9544

APPLICATIONS

- Petroleum and oil pipelines
- Natural gas and gas transmission pipelines
- Long-distance buried pipelines
- Chemical industry

Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

- Metallurgy
- Light industry
- Power stations
- Urban water supply construction
- LNG and low-temperature service

MATERIALS

Body **Carbon Steel, Stainless Steel, Alloy Steel**

FEATURES

- Fully welded connections at critical points to minimise leak paths
- Available in cylindrical and spherical fully welded body designs
- Side-entry (side-mounted) ball configuration
- Fixed and floating ball variants available
- Seat options: Double Block and Bleed (DBB), Double Isolation and Bleed Function 1 (DIB-1), Double Isolation and Bleed Function 2 (DIB-2)
- Seal options: soft seal and triangular ring seal
- Anti-blow-out stem design
- Fire-safe device per API 6FA / API 607
- Anti-static device
- Emergency sealant injection ports
- Drain and vent valves for maintenance without full disassembly
- Valve ends customisable to match pipeline material for welded installation
- Extended stem option for buried/underground installation with above-ground access
- CTOD testing of weld joints for post-heat-treatment safety assessment
- Welding processes certified by TUV

OPTIONS & NOTES

- Extended stems for underground valves customisable per client specifications
- Nominal sizes and pressure classes customisable on request