

BALL VALVE

High Temperature Ball Valve

REF EFC-451 ISSUED 06 Jul 2026

SPECIFICATIONS

Size	DN15 to DN600
Pressure	PN16 to PN420
Temperature	-60°C to 538°C
Media	High-temperature and high-pressure fluids, Petroleum/hydrocarbon streams, Natural gas, Steam

ACTUATION

- Manual
- Pneumatic
- Electric

APPLICATIONS

- Petroleum catalytic cracking units
- Natural gas long-distance pipelines
- Boiler steam systems
- Petroleum industry
- Chemical industry
- Natural gas industry
- Power industry
- Metallurgy industry



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

MATERIALS

Body	Carbon steel, Stainless steel, Alloy steel	Seat	Metal-seated (hardened/wear-resistant)
Ball	Hardened/wear-resistant surface	Stem	High-temperature resistant material with self-lubricating structure

FEATURES

- Operating temperature range: -60 °C to 538 °C
- Pressure rating range: PN16 to PN420 / Class 150 to Class 2500
- Metal-seated design providing sealing performance under high temperature and pressure
- Key component surfaces (ball and seat) hardened or manufactured from wear-resistant materials to resist erosion and wear
- Stem transmission uses high-temperature resistant materials and self-lubricating structure for ease of operation
- Fire-safe and anti-static design available on some configurations

OPTIONS & NOTES

- Fire and static electricity prevention functions available on some high-temperature and high-pressure ball valve configurations
- Operator options listed as 'Manual, Pneumatic, Electric, etc.' — additional operator types may be available on request
- Technical specification available for download (detail not reproduced on page)