

BALL VALVE

# C-Type Wear-resistant Ball Valve

REF **EFC-458** ISSUED 06 Jul 2026

## SPECIFICATIONS

Size	<b>DN50 to DN900</b>
Pressure	<b>Class 150 to Class 1500</b>
Temperature	<b>-196°C to 200°C</b>
Media	<b>petroleum, chemical industry fluids, metallurgical process media, light industry fluids, water, oil, gas, natural gas, LNG, cryogenic media</b>

## ACTUATION

- Manual
- Pneumatic
- Electric

## APPLICATIONS

- Coal chemical
- Petrochemical
- Offshore platforms
- LNG
- Metallurgy
- Light industry
- Power stations
- Urban construction water supply
- Long-distance oil, gas, and natural gas pipelines



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

## MATERIALS

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Body	<b>Carbon Steel, Stainless Steel</b>	Ball sealing surface	<b>Hard Alloy</b>
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## FEATURES

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- Eccentric ball setting with 'C'-shaped channel produces wedging effect against valve seat during rotation, enhancing sealing
- Frictionless switching: ball lifts away from seat before rotation, preventing seat contact during travel
- Single seat design prevents downstream leakage and internal pressure build-up
- Self-cleaning: media flows 360° around the seal as ball moves away from seat, clearing debris
- Low operating torque due to absence of friction on sealing surfaces
- Hard alloy reinforcement on ball sealing surface for durability in harsh conditions
- Full bore design provides unobstructed flow path with no dead zones
- Bidirectional shutoff capability
- Suitable for high and low temperature extremes and frequent operation cycles
- Upper and lower support axis positioning structure ensures sphere stability and prevents tilting

## OPTIONS & NOTES

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- Technical Specification fields (Design Standard, Pressure Temperature Rate, Face to Face, Flange Standard, Welding, Fire Safe, Pressure Test) are listed but not populated on the page — details available on request.
- NPS range also stated as NPS 2"–36"; PN range also stated as PN 10–250.
- Actuation options include 'etc.' implying additional actuator types available on request.