

BALL VALVE

# PDS Ball Valve

REF EFC-456 ISSUED 06 Jul 2026

## SPECIFICATIONS

Size	NPS 2" to NPS 10"
Pressure	Class 150 to Class 2500
End connection	flanged
Temperature	-46°C to 538°C
Media	petroleum, chemical media, metallurgical process fluids, light industrial fluids, power station fluids, water (urban supply), oil (pipeline), gas (pipeline), natural gas (pipeline), abrasive media

## ACTUATION

- manual
- pneumatic
- electric

## COATINGS & LINING

- Hypersonic spraying (HVOF-type) surface treatment on ball and seat; bond strength 210,000 psi

## APPLICATIONS

- Petrochemical industry
- Power generation
- Mining
- Oil and gas pipelines
- Metallurgy
- Light industry
- Urban water supply
- Long-distance oil, gas and natural gas transmission pipelines
- Low-temperature service



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, Alloy Steel</b>	Ball	<b>Alloy Steel (hardened)</b>
Seat	<b>Metal-to-metal (hardened)</b>		

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## FEATURES

- Side-entry body design for in-line maintenance and installation in compact spaces
- Bolted body construction for structural stability under high pressure
- Anti-blowout stem design prevents stem dislocation under extreme pressure
- Double block and bleed (DBB) system with dual isolation and bleed capability
- Automatic cavity relief to prevent accidental overpressure
- Metal-to-metal (hard) seating for seal integrity at high temperatures and in corrosive environments
- Hypersonic spraying surface technology for improved wear and corrosion resistance
- Coating bond strength of 210,000 psi
- Anti-coking and self-cleaning design to reduce maintenance frequency and extend service life

## OPTIONS & NOTES

- Operator options listed as 'Manual, Pneumatic, Electric, etc...' — additional actuation types available on request
- Technical specification document available for download (content not extracted)