

GATE VALVE

Power Plant Gate Valve

REF **EFC-513** ISSUED 06 Jul 2026

SPECIFICATIONS

Size	DN50 to DN600
Pressure	Class 600 to Class 2500
End connection	butt weld (GB/T12224, NB/T47044) / flanged (GB/T9113, ASME B16.5)
Face-to-face	GB/T12221, NB/T47044
Temperature	-29°C to 650°C

ACTUATION

- manual
- pneumatic
- electric

STANDARDS

Design	GB/T12224, ASME B16.34, NB/T47044
Test	GB/T26480

APPLICATIONS

- Thermal power station pipeline systems
- High-temperature and high-pressure power generation applications
- Oil refining
- Power industry



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

MATERIALS

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

FEATURES

- Low fluid resistance-internal medium channel is straight-through without change in flow direction
- Pressure self-sealing; both ends are welded connections
- Low opening and closing torque
- Simple body structure
- Guide mechanism in valve body prevents gate rotation during opening and closing, ensuring accurate seating
- Wedge gate does not contact valve seat before final closure, reducing sealing surface wear
- Bidirectional flow-medium can flow from either direction
- Generally installed horizontally in pipeline
- Reduced susceptibility to water hammer

OPTIONS & NOTES

- Etc. noted for materials — additional material options may be available on request
- Operator options listed as 'Manual, Pneumatic, Electric, etc.' — further options may be available