

GATE VALVE

Rising Stem Solid Wedge Gate Valve

REF **EFC-303** ISSUED 05 Jun 2026

SPECIFICATIONS

Size	DN50–DN1200
Pressure	PN10–PN16
Temperature	-10°C to 120°C
Media	chemicals, air, water, steam, oil, acids, salts

ACTUATION

- manual handwheel
- actuator

STANDARDS

Design	EN 1074, BS 5163
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APPROVALS & CERTIFICATIONS

- Lloyd's Register (LR)
- ECM (Ente Certificazione Macchine)
- ISO
- EAC
- CE
- Bureau Veritas
- ACS (Attestation de Conformité Sanitaire)
- WRAS Approved Product
- PN10
- PN16
- JIS 10K
- ANSI 150
- BS5163

COATINGS & LINING

- epoxy

APPLICATIONS

- fire protection systems
- municipal water supply
- irrigation networks
- above ground installation
- accessible underground chambers

MATERIALS

body	Cast Iron	seat	Elastomer
shaft	Stainless Steel	disc	Cast Iron
wedge nut	Copper Alloy	bonnet gasket	Elastomer
bonnet	Cast Iron	packing	Graphite
sealing ring	Elastomer	socket head screw	Stainless Steel
yoke	Cast Iron	hand wheel	Cast Iron
stem	Stainless Steel		

FEATURES

- Rising stem provides visual indication of open/closed position
- Solid wedge gate with bidirectional seal under fluctuating pressure
- Ductile iron body with epoxy coating for corrosion resistance
- Fully encapsulated EPDM rubber wedge
- Visible stem movement provides operational feedback
- Rising stem (outside screw and yoke) gate valve
- Flanged end connections
- Handwheel operated
- Rubber-encapsulated wedge gate
- Bolted bonnet construction
- Part labels visible in sectional diagram: 1-body, 2-flange, 3-flange face, 4-gate/wedge, 5-seat, 6-gland packing area, 7-bonnet, 8-gland, 9-gland bolts/nuts, 10-stem nut, 11-yoke, 12-handwheel

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SECTION Technical drawing REF EFC-303

