

GATE VALVE

Resilient Seated Gate Valve with Bypass

REF **EFC-301** ISSUED 05 Jun 2026

SPECIFICATIONS

Size	DN50–DN600
Pressure	PN10–PN16
Temperature	-10°C to 150°C
Media	Fresh water, Sewage, Sea water, Air, Vapour, Food, Medicine, Oils, Acids, Alkalis, Chemicals, Steam, Salts

ACTUATION

- manual handwheel
- worm gear
- pneumatic
- electric

STANDARDS

Design	EN1074, ISO
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APPROVALS & CERTIFICATIONS

- EAC
- CE
- ISO
- LR (Lloyd's Register)
- Bureau Veritas
- ACS (Attestation de Conformité Sanitaire)
- WRAS Approved Product
- ECM (Ente Certificazione Macchine)



COATINGS & LINING

- Epoxy (corrosion-resistant)

APPLICATIONS

- Municipal water mains
- Pump stations
- Water supply systems
- Gas distribution systems
- Industrial applications

MATERIALS

body	Cast Iron, Ductile Iron	body seat ring	Copper Alloy
wedge	Ductile Iron	wedge seat ring	Copper Alloy
stem nut	Copper Alloy	stem	Stainless Steel
bonnet bolt	Carbon Steel	gasket	Elastomer
bonnet	Cast Iron, Ductile Iron	o ring	Elastomer
locating ring	Copper Alloy	bonnet nut	Copper Alloy
mini pad	Fluoropolymer	dust ring	Elastomer
wheel	Ductile Iron	disc	Ductile Iron
seat	Bronze		

FEATURES

- Bypass pipe and valves to equalise pressure before main valve opens
- Reduces water hammer during opening sequence
- Non-rising stem design
- Fully encapsulated resilient seated wedge
- Tight shut-off maintained after repeated cycles
- Epoxy coating on ductile iron body for corrosion resistance
- Flanged end connections
- Yellow epoxy coated body — indicative of gas service
- Handwheel operated
- Rising stem with stem protection tubes and bypass needle valves on both sides
- Soft-seated resilient gate (parallel slide / soft-seat gate valve configuration)
- Small-bore bypass/equalising valves with lever handles fitted to stem guard tubes

OPTIONS & NOTES

- Nominal diameter for PN16 limited to 50–600 mm; PN10 covers 50–1200 mm