

GATE VALVE

RSV Gate Valve – Bevel Gear Operated

REF **EFC-380** ISSUED 11 Jun 2026

SPECIFICATIONS

Size	DN300–DN600
Pressure	PN10–PN16
End connection	flanged (EN 1092-2) / flanged (EN 1092-2)

STANDARDS

Design	EN 1074-2, BS EN 1074-2, BS 5163, BS 1171, EN 1092-2, EN 558-1
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APPROVALS & CERTIFICATIONS

- WRAS
- FM Approved
- UL Listed
- ISO 9001

COATINGS & LINING

- Fusion-bonded epoxy (250µm)

APPLICATIONS

- Large diameter mains
- Trunk mains
- Water treatment
- Transmission pipelines



MATERIALS

body	Ductile Iron EN GJS 500-7	bonnet	Ductile Iron EN GJS 500-7
stem	AISI 420 / 431 Stainless Steel	wedge	Ductile Iron + EPDM rubber encapsulated

FEATURES

- The gearbox-operated RSV is specified for large diameter valves where operating torque exceeds practical handwheel limits and for valves that must be operable under full differential pressure
- The bevel gearbox significantly reduces the torque required at the operating nut and can be extended for operation from surface level
- Required for all gate valves DN300 and above in most specifications

PRESSURE-TEMPERATURE RATING

CLASS	TEMPERATURE	MAX PRESSURE
PN16	-10°C	16 bar
PN16	80°C	16 bar

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SECTION Technical drawing 1 REF EFC-380



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SECTION Dimensions per size REF EFC-380

SIZE	L	H	OD_PN10	OK_PN10	C	OD_PN16	OK_PN16
DN50	178	335	165	125	18	—	—
DN65	190	375	185	145	18	—	—
DN80	203	415	200	160	18	—	—
DN100	229	450	220	180	18	—	—
DN125	254	485	250	210	18	—	—
DN150	267	525	285	240	18	—	—
DN200	292	600	340	295	18	—	—
DN250	330	665	395	350	19	405	355
DN300	356	745	445	400	21	460	410
DN350	381	975	505	460	26.5	520	470
DN400	406	1055	565	515	28	580	525

All dimensions in millimetres unless stated otherwise. Values are nominal; tolerances confirmed at quote.