

GATE VALVE

RSV Gate Valve – By-Pass

REF **EFC-381** ISSUED 11 Jun 2026

SPECIFICATIONS

Size	DN200–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

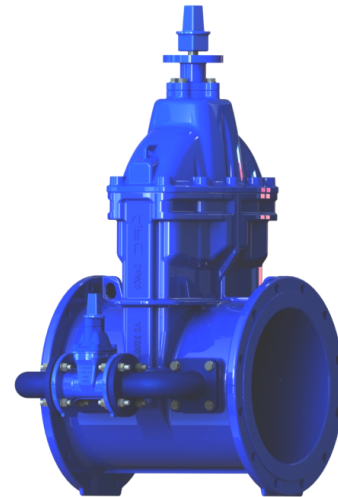
- WRAS
- ISO 9001

COATINGS & LINING

- Fusion-bonded epoxy (250µm)

APPLICATIONS

- High-pressure mains
- Trunk main isolation
- Pressure zone boundaries
- Water treatment works



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 bypass RSV incorporates a small integral bypass valve that allows the operator to equalise pressure across the main valve before opening, dramatically reducing operating torque
- Essential for large diameter gate valves installed in high-pressure systems where differential pressure across the closed valve could otherwise require excessive operating force or risk wedge damage on opening

PRESSURE-TEMPERATURE RATING

CLASS	TEMPERATURE	MAX PRESSURE
PN10	-10°C	10 bar
PN10	80°C	10 bar
PN16	-10°C	16 bar
PN16	80°C	16 bar

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SECTION Technical drawing 1 REF EFC-381



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SECTION Dimensions per size REF EFC-381

SIZE	L	L1	H	H1	ØB	ØD	ØK	C	F	D2	ØD1	B
DN450	432	569	1032	1110	548	640	585	4	50	—	—	—
DN500	457	600	1150	1230	609	715	650	4	50	—	—	—
DN600	508	860	1290	1370	720	840	700	5	50	—	—	—
DN700	610	569	1032	—	548	910	—	—	50	794	840	5
DN800	660	600	1150	—	609	1025	—	—	80	901	950	5
DN900	711	860	1290	—	720	1125	—	—	80	1001	1050	5
DN1000	811	569	1032	—	548	1255	—	—	80	1112	1170	5
DN1200	960	600	1150	—	609	1485	—	—	80	1328	1390	5

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