

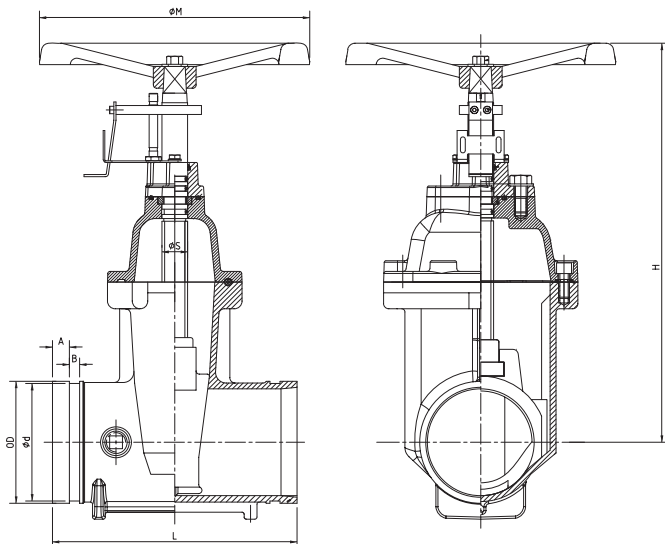


Control Valves & Devices | Gate Valves & Indicator Posts | Non Rising Stem Valves | BS5163 | Grooved | NRG5



SPECIFICATIONS

Sizes available (nominal)	DN50/2", DN65/2-1/2", DN80/3", DN100/4", DN125/5", DN150/6", DN200/8", DN250/10" and DN300/12"
Working pressure	16 bar (232 psi) Tested to BS5163 Type A
Seat type	Resilient wedge, EPDM encapsulated
Finish	Fusion bonded epoxy coated internal & external
Material (body)	Ductile iron
Connections	Groove to AWWA C606 standard
Specifications	Design in accordance with BS 5163; Face to face dimension in accordance with EN 558-1, basic series 3
Supervision	Integral bracket allows monitoring of valve in open position using supervisory switch, P/N 828482. For monitoring closed position part number NRF-SB is required



Physical data | NRG5

Reference	Nominal Pipe Size		Dimensions (mm)						Weight (kg)
	Metric	inch	L	H	OD	d	A	B	
NRG5-0200	DN50	2	178	282	60,3	57.2	15.8	7.9	5.9
NRG5-0250-073	DN65	2-1/2	190	290	73,0	69.1	15.8	7.9	7.3
NRG5-0250-076					76,1	72.3			7.4
NRG5-0300	DN80	3	203	331	88,9	84.9	15.8	7.9	10.8
NRG5-0400	DN100	4	229	366	114,3	110.1	15.8	9.5	14.4
NRG5-0500-139	DN125	5	254	453	139,7	135.5	15.8	9.5	29.2
NRG5-0500-141					141.3	137.0			29.4
NRG5-0600-165	DN150	6	267	490	165,1	160.9	15.8	9.5	32.0
NRG5-0600-168					168,3	164.0			
NRG5-0800	DN200	8	292	560	219,1	214.4	19.1	11.1	48.8
NRG5-1000	DN250	10	330	706	273,0	268.3	19.1	12.7	97.3
NRG5-1200	DN300	12	356	802	323,9	318.3	19.1	12.7	136.5

Note: This document contains basic product information only. Information, photos and drawings are not contractually binding. In all cases, the manufacturer's full technical documentation remains the reference document. Note that certificates, test reports and approvals may be published in the OEM name.

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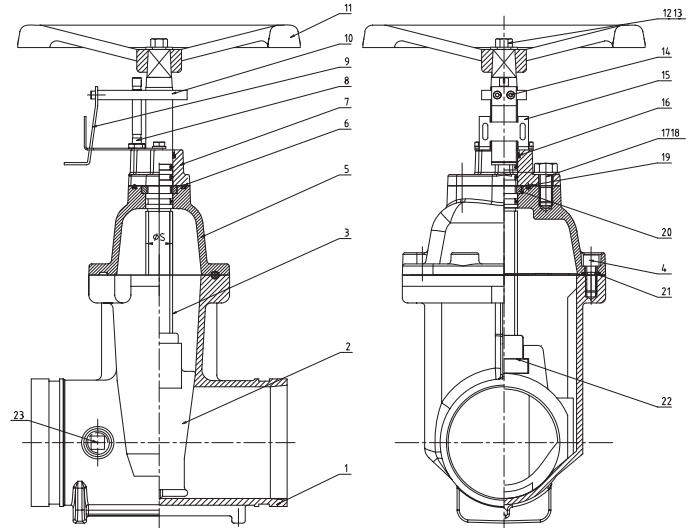




Control Valves & Devices | Gate Valves & Indicator Posts | Non Rising Stem Valves | BS5163 | Grooved | NRG5

Materials | NRG5

Item	Description	Material	Specification
1	Valve Body	Ductile Iron	EN-GJS-450-10
2	Resilient wedge disc	Ductile Iron	EN-GJS-450-10 & EPDM
3	Stem	Stainless Steel	SS420
4	Bolt	Carbon Steel	Zinc Plated
5	Bonnet	Ductile Iron	EN-GJS-450-10
6	O-Ring	NBR	Commercial
7	Gland	Ductile Iron	EN-GJS-450-10
8	Position Fixing Spindle	Stainless Steel	SS316
9	Limit Plate	Stainless Steel	SS316
10	Position Fixing Plate	Stainless Steel	SS316
11	Handwheel	Ductile Iron	EN-GJS-450-10
12	Bolt	Carbon Steel	Zinc Plated
13	Flat Washer	Carbon Steel	Zinc Plated
14	Bolt	Carbon Steel	Zinc Plated
15	Fixed Plate	Stainless Steel	Zinc Plated
16	Ring Wiper	EPDM	SS316
17	Bolt	Carbon Steel	Commercial
18	Flat Washer	Carbon Steel	Zinc Plated
19	O-Ring	EPDM	Zinc Plated
20	Thrust Washer	Brass	Commercial
21	Bonnet Gasket	EPDM	HPb59-1
22	Wedge Nut	Brass	Commercial
23	1/2" Plug	Bronze	ASTM B584 C83600
24	Switch bracket for NRF5 Valve - Part Number: NRF-SB		



Installation | NRG5

1. Piping systems and valves should be thoroughly cleaned and free from ingress of foreign materials.
2. Visually inspect the valve seating and ports for cleanliness immediately prior to installation.
3. All valves should be independently supported against movement and stress from the connected piping system.
4. Ensure that the valve pressure rating is compatible with service conditions.
5. Operate the valve at least once from the open to closed position.
6. Gate valves are not suitable for throttling applications.
7. Gate valves should be installed in the vertical position on horizontal pipework and in the horizontal position on vertical pipework.

Operation | NRG5

Gate valves are manually operated multi-turn valves and are opened by a handwheel or other operating device, generally in a counter clockwise direction and then closed clockwise.

Inspection & Maintenance | NRG5

Valves should be inspected periodically and should be cycled to prevent buildup of foreign materials in the piping system and valve body.

Closing torque for handwheel | NRG5

Size		Closing Torque Nm
2"	DN50	27
2-1/2"	DN65	38
3"	DN80	65
4"	DN100	80
5"	DN125	100
6"	DN150	125
8"	DN200	160
10	DN250	240
12"	DN300	300

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