RESILIENT SEATED GATE VALVES

RESILIENT SEATED GATE VALVES: DN50-300, PN16

- Fully compliant to **BS EN 1074-2**
- Lightweight design constructed in ductile iron
- Robust and durable
- Suitable for use in potable water systems and buried service



Main Features:

- Ductile iron construction provides high strength to weight ratio.
- Excellent corrosion resistance. Blue fusion bonded epoxy coating in accordance with **BS EN 14901**.
- Efficient operation after long periods of no-use in either open or closed positions.
- Full clear bore for optimum flow.
- Integral case feet offer ease of storage and installation.
- High tensile stainless steel stem ensures strength and corrosion resistance.
- Supplied with cap top as standard.

Options Available:

- Handwheel kits, which are available in both clockwise and anti-clockwise to close versions, please specify.
- Valves can be fitted with bevel gearbox.



Handwheel technical data and the number of turns required to open/close the valves

DN	50	80	100	150	200	250	300
AXA mm	17.3 x 17.3	17.3 x 17.3	17.3 x 17.3	19.3 x 19.3	24.3 x 24.3	27.3 x 27.3	27.3 x 27.3
B-ductile iron handwheel mm	220	220	220	300	300	350	350
Open Turns	6	8.5	10.5	15.5	17	21	25

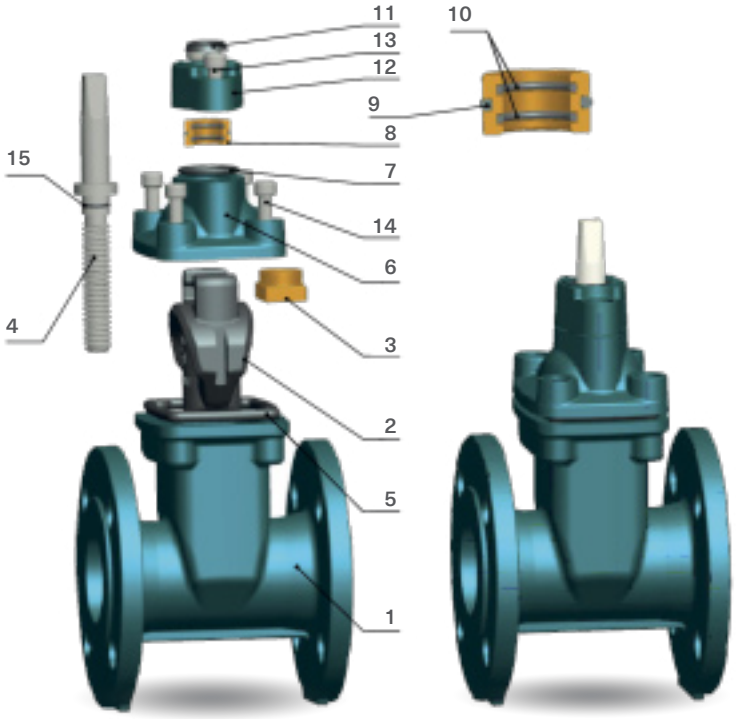
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RESILIENT SEATED GATE VALVES

Technical Features:

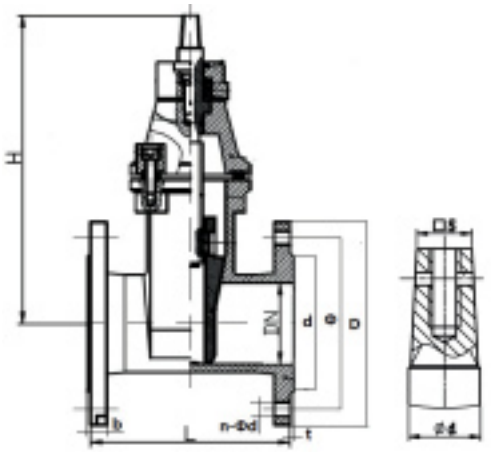
- Fully compliant to **BS EN 1074-2** and **BS 5163-1**
- Maximum operating temperature 50°C

DN 50-300 parts list			
No.	Name	QTY	Material
1	Body	1	GGG50
2	Wedge	1	GGG50/EPDM
3	Stem Nut	1	CuA11OFe3
4	Stem	1	431
5	Sealing Gasket	1	EPDM
6	Cover	1	GGG50
7	O Ring III	1	EPDM
8	Sealing Sleeve	1	HPb59-1
9	O Ring I	1	EPDM
10	O Ring II	2	EPDM
11	Dust Proof Sealing Ring	1	EPDM
12	Gland	1	GGG50
13	Hexagon Bolt	2	Carbon Steel
14	Hexagon Bolt	M	Carbon Steel
15	O Ring IV	1	EPDM



BS 5163 Valve key dimensions and weight											
DN	L	PN	n-Φd	d	Φ	D	t	b	H1	Weight (kg)	Pallet (qty)
50	178	10 16	4-Φ19	99	125	165	3	19	218	9.9	20
80	203	10 16	8-Φ19	132	160	200	3	19	255	13.7	14
100	229	10 16	8-Φ19	156	180	220	3	19	300	18.2	12
150	267	10 16	8-Φ23	211	240	285	3	19	392	33.8	8
200	292	16	8-Φ23 12-Φ23	266	295	340	3	20	485	57.5	6
250	330	16	12-Φ23 12-Φ23	319	350 355	400	3	22	585	82.5	4
300	356	16	12-Φ23 12-Φ28	370	400 410	460	4	24.5	655	116.5	3

Dimensions in mm. Weight in kg.
Flanges in accordance with BS EN 1092-2.



Marking on valve body	
Side A	Side B
EN10742	Saint Gobain
BS 5163-1	M-D-Y (date)
DNXXX	GJS
PN16	66

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RESILIENT SEATED GATE VALVES



We are able to offer any size of bespoke Valves suitable for Water or Waste Water applications.
Please contact us to discuss your requirements.

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RESILIENT SEATED GATE VALVES

RESILIENT SEATED GATE VALVES: DN350-1200, PN16

- Fully compliant to **BS EN 1074-2**
- Robust and durable
- Suitable for use in potable water, sewage systems and buried service





Main Features:

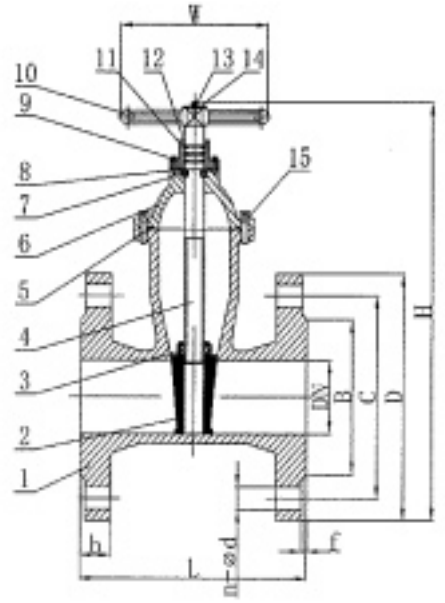
- Application: potable water and sewage
- Special characteristics:
  a. Rolled shaft which ensures the mating screw between the shaft and shaft nut operates smoothly
  b. Nylon guide inside the wedge ensures the wedge moves smoothly inside the body
  c. Coating: WRAS approved epoxy coated to a minimum thickness of 250micron
  d. Standard flange drilling to **EN1092-2 PN10-16**
  e. Seat: 1.1 x PN. Body: 1.5 x PN
  f. Full bore design
  g. Certified lifting eyes for ease of handling

Options Available:

- Spare caps
- Handwheels
- T Keys
- Extensions Spindles
- Gearboxes
- Actuators
- Floor Pillars.

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RESILIENT SEATED GATE VALVES

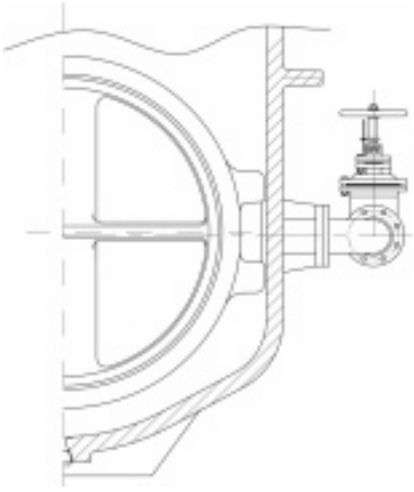


DN 350-600 Resilient Valve parts list		
No.	Name	Material
1	Body	GGG50
2	Wedge	GGG50+EPDM
3	Stem Nut	Brass
4	Stem	SS42.0
5	Gasket	NBR
6	Bonnet	GGG50
7	Locating Ring	GG50
8	O-Ring	NBR
9	Bolts	Zinced Carbon Steel
10	Hand Wheel	Painted DI
11	Gland	GGG50
12	O-Ring	NBR
13	Nuts	Zinced Carbon Steel
14	Washer	Zinced Carbon Steel
15	Bolts	Zinced Carbon Steel

Valve key dimensions and weight												
DN	L	D		C		B		n-d		b	f	w	h
	BS	1.0 Mpa	1.6 Mpa	1.0 Mpa	1.6 Mpa	1.0 Mpa	1.6 Mpa	1.0 Mpa	1.6 Mpa				
350	381	520		460	470	429		16-23	16-28	26.5	4	480	1100
400	406	580		515	525	480		16-28	16-31	28	4	480	1200
450	432	615	640	565	585	548		20-28	20-31	30	4	480	1300
500	457	670	715	620	650	582		20-28	20-34	31.5	4	550	1450
600	508	780	840	725	770	682		20-31	20-37	36	4	550	1650
Dimensions in mm. Weight in kg. Flanges in accordance with BS EN 1092-2.													

OPTIONAL ACCESSORY

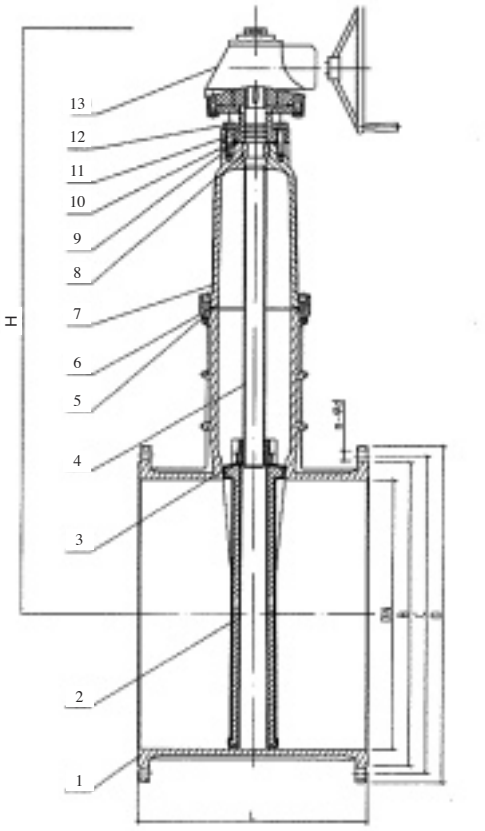
By-pass: DN350-1200



BY-PASS: DN350-1200	
DN	DN (By-Pass)
350	50
400	50
450	50
500	50
600	50
700	80
800	80
900	80
1000	100
1200	100

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RESILIENT SEATED GATE VALVES



DN 700-1200 Resilient Valve parts list		
No.	Name	Material
1	Body	GGG50
2	Wedge	GGG50+EPDM
3	Stem Nut	Brass
4	Stem	SS42.0
5	Bolts	Zinced Carbon Steel
6	Gasket	EPDM
7	Bonnet	GGG50
8	Locating Ring	Brass
9	O-Ring	NBR
10	Gland	GGG
11	O-Ring	NBR
12	Bolts	Zinced Carbon Steel
13	Turbine Head	DI

Valve key dimensions and weight

DN	L	D		C		B		n-d		H
	BS	1.0 Mpa	1.6 Mpa	1.0 Mpa	1.6 Mpa	1.0 Mpa	1.6 Mpa	1.0 Mpa	1.6 Mpa	
700	610	895	910	840	840	794		24-31	24-37	1320
800	660	1015	1025	950	950	901		24-34	24-40	1490
900	711	1115	1125	1050	1050	1001		28-34	28-40	1700
1,000	811	1230	1255	1160	1170	1112		28-37	28-43	1875
1,200	1015	1455	1485	1380	1390	1328		32-40	32-49	2200

Dimensions in mm. Weight in kg.
Flanges in accordance with BS EN 1092-2.

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