

FIVC Gate Valve

Ductile Iron – PN 16 – Rising Stem – WRAS – EN 1092-2



FGA series

Technical data

Main features and materials

- Body: Ductile Iron
 - Bonnet: Ductile Iron
 - Wedge: Ductile Iron+EPDM
 - Stem: Stainless Steel
 - Testing: BS EN 12266-1
- Shell pressure: 2.4 MPa
Sealing pressure: 1.76 MPa
- Dimensions: Face-to-Face acc. to BS 5163
 - Flange connection size: BS EN 1092-2 PN 16
 - USP: Drinking water approval
Position visibility
Excellent tightness
Minimum pressure loss
Long lifetime

Field of applications

- Temperature range: -10 to 85°C
- Max. working pressure: 16 bar
- Drinking water
- Other various industries

Description

FIVC Gate Valve is designed to be installed in pipelines only for flow isolating purposes.

The gate valve is approved for drinking water and offers excellent closing characteristics as well as minimal pressure loss. Furthermore, the functionality of the valve prevents the water hammer phenomenon due to its slow opening and closing, requires less space, and is an economical valve.

The rising stem valve is an ultimate choice for above- and underground installations, since the degree of its opening and closing is apparent.

This structure is advantageous for both the lubrication of the stem and the easiness of insulation.

The valve can be used for potable Water, Oil, and Air.

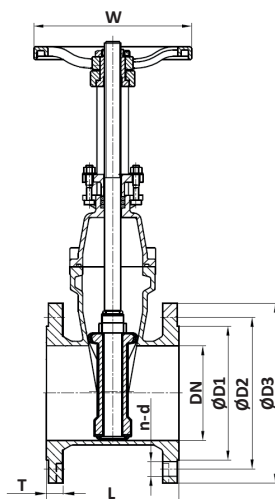
Declaration

The product is WRAS approved and has been inspected and tested in accordance with the European PED Directive N° 2014/68/EU, dated 15/05/2014.



Dimensions

DN 50-300



Product code	Size	L	ØD1	ØD2	ØD3	W	T	n-Ød	Kg
FGA050N16RB231	50	178	99	125	165	160	19	4-Ø19	21.55
FGA065N16RB231	65	190	118	145	185	160	19	4-Ø19	22.56
FGA080N16RB231	80	203	132	160	200	200	19	8-Ø19	30.9
FGA100N16RB231	100	229	156	180	220	200	19	8-Ø19	39.9
FGA125N16RB231	125	254	184	210	250	250	19	8-Ø19	54.26
FGA150N16RB231	150	267	211	240	285	250	20	8-Ø23	62.26
FGA200N16RB231	200	292	266	295	340	280	21	12-Ø23	103.7
FGA250N16RB231	250	330	319	355	405	370	22	12-Ø28	144.3
FGA300N16RB231	300	356	370	410	460	370	26.5	12-Ø28	196

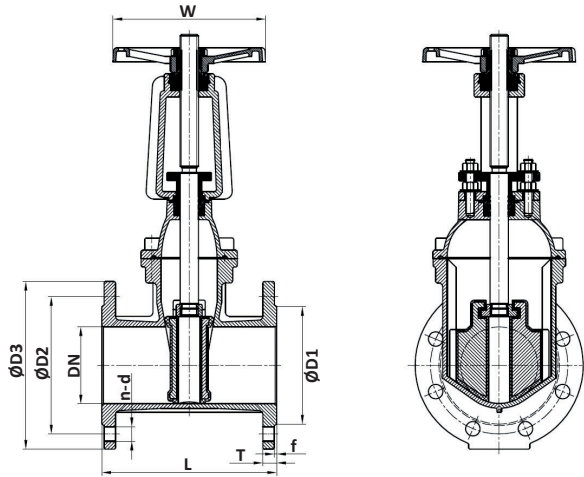
Dimensions are in millimeters

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Dimensions

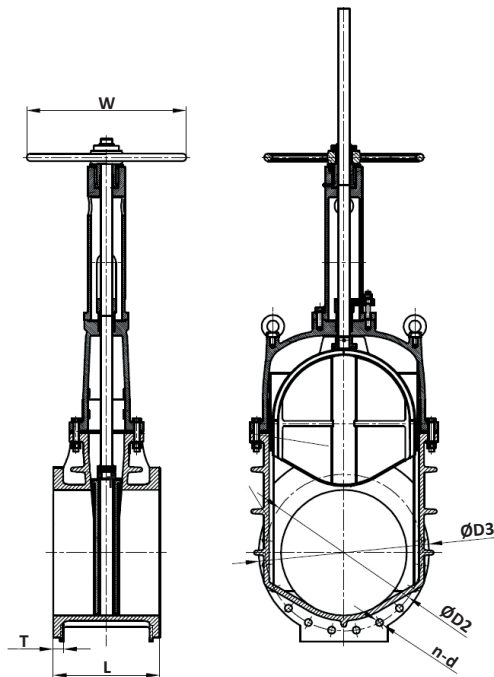
DN 350-400



Product code	Size	L	ØD1	ØD2	ØD3	W	T	f	n-Ød	Kg
FGA350N16RB231	350	381	429	470	520	450	26.5	4	16-Ø28	201
FGA400N16RB231	400	406	480	525	580	450	28	4	16-Ø31	272

Dimensions are in millimeters

DN 450-600



Product code	Size	L	ØD2	ØD3	W	T	n-Ød	Kg
FGA450N16RB231	450	432	585	640	610	42.9	20-Ø31	454
FGA500N16RB231	500	457	650	715	610	42.9	20-Ø34	624
FGA600N16RB231	600	508	770	840	762	49.6	20-Ø37	856

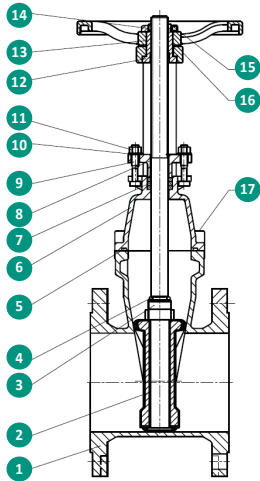
Dimensions are in millimeters

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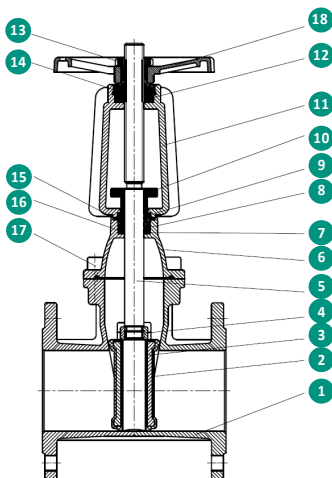
Product Specification

DN 50-300



N°	Name	Material
1	Body	Ductile Iron BS-Gr 450-10
2	Wedge	Ductile Iron BS-Gr 450-10 + WRAS EPDM
3	Stem	Stainless Steel BS 970 420S45
4	O-Ring	WRAS EPDM
5	Sealing ring	Graphite + Stainless Steel BS 970 304S31
6	Bonnet	Ductile Iron BS-Gr 450-10
7	Packing	Graphite + Stainless Steel 304
8	Gland	Ductile Iron BS-Gr 450-10
9	Square head bolt	Stainless Steel BS 970 304S31
10	Plain washer	Stainless Steel BS 970 304S31
11	Hut	Stainless Steel BS 970 304S31
12	Stem nut	HMn58-2
13	Handwheel	Ductile Iron BS-Gr 450-10
14	Lock nut	HMn58-2
15	Screw	Stainless Steel BS 970 304S31
16	Washer	LG2
17	Screw	Gr 8.8

DN 350-400



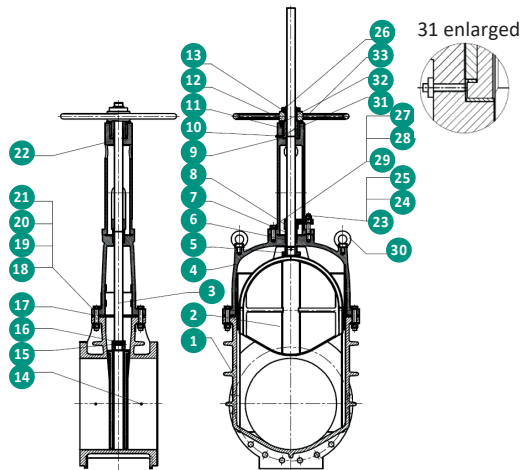
N°	Name	Material
1	Body	Ductile Iron BS-Gr 450-10
2	Wedge coating	WRAS EPDM
3	Wedge	Ductile Iron BS-Gr 450-10
4	Stem nut (lower)	Brass BS 2874 CZ136
5	Stem	2Cr13
6	Bonnet	Ductile Iron BS-Gr 450-10
7	Sealing gland	Brass BS 2874 CZ136
8	O-Ring	WRAS EPDM
9	O-Ring	WRAS EPDM
10	Gland	Ductile Iron BS-Gr 450-10
11	Attachment bracket	Ductile Iron BS-Gr 450-10
12	Stem nut (upper)	Brass BS 2874 CZ136
13	Handwheel nut	Brass BS 2874 CZ136
14	Gland	Brass BS 2874 CZ136
15	O-Ring	WRAS EPDM
16	O-Ring	WRAS EPDM
17	Bolt	Carbon Steel
18	Handwheel	Ductile Iron BS-Gr 450-10

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Product Specification

DN 450-600



N°	Name	Material
1	Body	Ductile Iron BS-Gr 450-10
2	Seat rubber coating	WRAS EPDM
3	Stem	Stainless Steel BS 970 304S31
4	Bonnet	Ductile Iron BS-Gr 450-10
5	Disc nut	GX5CrNiMo19-11-2
6	Packing	PTFE
7	Packing gland bushing	BS CZ124
8	Packing gland	Ductile Iron BS-Gr 450-10
9	Stem nut	BS LG2
10	Stem nut washer	BS CZ124
11	Stem lock nut	BS CZ124
12	Handwheel	Ductile Iron BS-Gr 450-10
13	Handwheel lock nut	Steel
14	Square pipe plug	Stainless Steel BS 970 304S31
15	Pin	Stainless Steel BS 970 316S16
16	O-Ring	WRAS EPDM
17	Gasket	WRAS EPDM
18	Bolt	Stainless Steel BS 970 304S31
19	Spring washer	Stainless Steel BS 970 304S31
20	Nut	Stainless Steel BS 970 304S31
21	Washer	Stainless Steel BS 970 304S31
22	Stents	Ductile Iron BS-Gr 450-10
23	Studs	Stainless Steel BS 970 304S31
24	Spring washer	Stainless Steel BS 970 304S31
25	Nut	Stainless Steel BS 970 304S31
26	Screw	Stainless Steel BS 970 304S31
27	Bolt	Stainless Steel BS 970 304S31
28	Spring washer	Stainless Steel BS 970 304S31
29	Washer	Stainless Steel BS 970 304S31
30	Lifting bolt	Stainless Steel BS 970 304S31
31	Grease injection fitting	Copper
32	Slot countersunk head screw	Steel
33	Support gasket	BS CZ124