



**WELLVALVE**

**RSGV-F4  
RESILIENT SEAT GATE VALVE**

**APPLICATION**

RSGV-F4 Resilient seat gate valve is intended for use in application such as: water supply and treatment, irrigation and sanitation.

**Area of use**

Area of use: water supply, water treatment, pumping, irrigation, industry, HVAC.

**Fluids**

Fluids : water, waste water, sewage water, non-aggressive neutral liquids, etc

**GENERAL CHARACTERISTICS**

Range: from DN40 to DN600.

Resilient seat gate valve for ON/OFF with non-rising stem.

PN10 and PN16 flange mounting (drilling of suitable flanges from DN200).

Body and bonnet assembled by screws protected by a molded sealing gasket.

Wedge in ductile iron covered with a thick layer of elastomer.

Ipsream-downstream tightness made reliable thanks to the enormous qualities of elasticity and rigidity of the wedge.

At the end of closing the latter is pressed onto the flat bottom of the valve and takes perfectly its shape. This results in the absorption of impurities contained in the fluid, such as sand, gravel, etc. From the first moment of opening, impurities or waste are returned to the fluid which evacuates them.

Tightness of the upper part guarantees thanks to a system of O-rings placed next to each other and separated by small metal segments.

Very economical use without the need for maintenance. Low pressure drop.

Full bore at the end of opening. No retention zone.

Good corrosion resistance (epoxy coating inside and outside the body) fasteners protected from external aggressions by wax coat.



**STANDARDS**

<b>Design</b>	Manufacture according to standard en 1171.
<b>Face to face</b>	Face to face dimension according to EN 558 serie 14 and DIN 3202 / F4 short pattern
<b>Connection*</b>	Mounting flange in accordance with EN1092-2 : ISO PN10 and ISO PN16
<b>Tests</b>	Pressure test according to standards EN12266-1 Body: 24 bar                      Seat: 17.6 bar

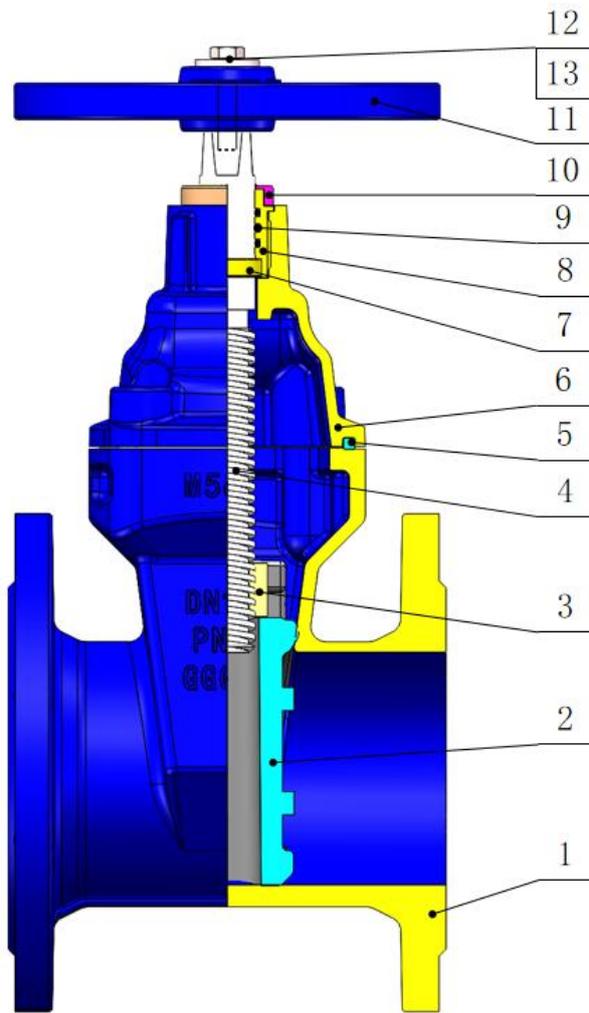
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Component	Coating
Body(1)	Epoxy powder RAL5005 250microns
Bonnet	Epoxy liquid RAL5005 250microns
Handwheel (11)	Epoxy liquid RAL5005 70microns

**CONSTRUCTION**

The valves are coated with epoxy paint on the outside and inside of the body and the bonnet to protect against corrosion.

Pos.	Q-ty	Description	Material	Equivalences			Epoxy coating
				DIN	ASTM	BS	
1	1	Body	Ductile iron EN-GJS-500-7	GGG50	A536 65-45-12	1563 EN-JS1050	RAL5005,250µm
2	1	Wedge	EPDM coated ductile iron	GGG50	A536 65-45-12	1563 EN-JS1050	
3	1	Stem nut	Brass				
4	1	Stem	Stainless steel 420	1.4021	AISI 420	420 S 37	
5	1	Joint	EPDM				
6	1	Bonnet	Ductile iron EN-GJS-500-7	GGG50	A536 65-45-12	1563 EN-JS1050	RAL5005,250µm
7	1	Split collar	Brass				
8	1	Nut	Brass				
9	3	O Ring	EPDM				
10	1	Dustproof cover	EPDM				
11	1	Handwheel	Ductile iron EN-GJS-500-7	GGG50	A536 65-45-12	1563 EN-JS1050	RAL5005,250µm
12	1	Screw	Stainless steel 304				
13	1	Gasket	Stainless steel 304/A2	X5CrNi 18 10	A182 AISI 304	1449-2-304 S15	

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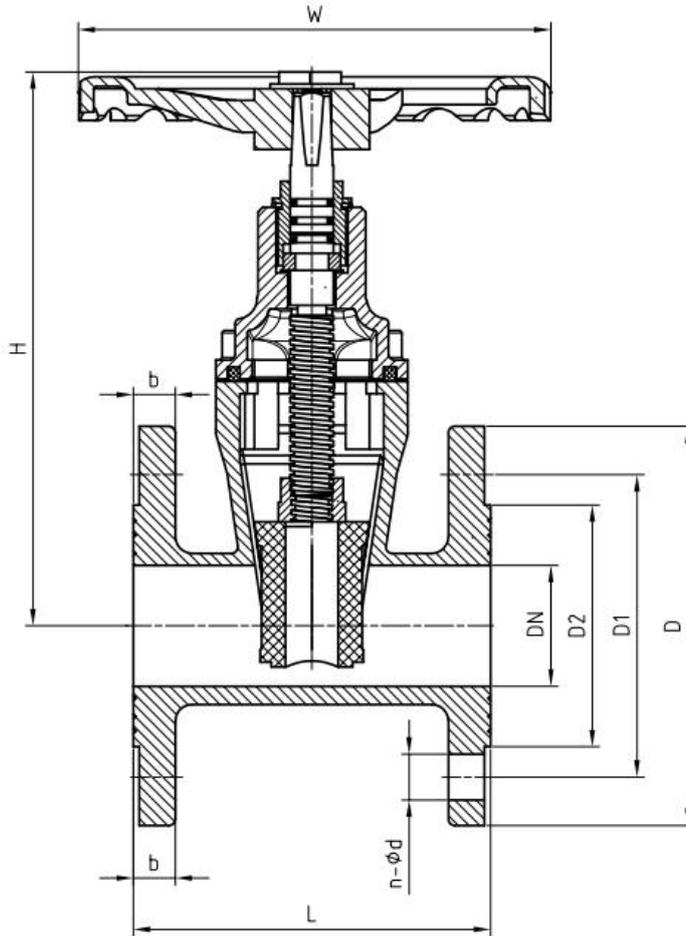
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**DIMENSIONS**



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Structure																
DN	L	D		D1			D2		b		n-Ø			H	W	Weight
mm	mm	PN10 PN16	PN25	PN10	PN16	PN25	PN10 PN16	PN25	PN10 PN16	PN25	PN10	PN16	PN25	mm	mm	(Kg)
40	140	150		110			84		19		4-19			195	200	9
50	150	165		125			99		19		4-19			215	200	9.1
65	170	185		145			118		19		8-19			237	200	11.6
80	180	200		160			132		19		8-19			265	200	12.8
100	190	220	235	180	190	156	19		8-19			8-23	310	250	17.3	
125	200	250	270	210	220	184	19		8-19			8-23	350	250	26	
150	210	285	300	240	250	211	20		8-23			8-23	385	315	29.5	
200	230	340	360	295	310	266	274	22	8-23	12-23	12-28	12-28	495	315	46	
250	250	400	425	350	355	370	319	330	24	12-23	12-28	12-31	600	360	70	
300	270	455	485	400	410	430	370	389	27	12-23	12-28	16-31	690	360	110	
350	290	520	555	460	470	490	429	448	27	16-23	16-28	16-34	790	480	138	
400	310	580	620	515	525	550	480	503	28	16-28	16-31	16-37	880	480	175	
450	330	640		565	585		548		30	20-28	20-31		980	650	258	
500	350	670		620	650		609		31.5	20-28	20-34		1050	650	368	
600	390	780		725	770		720		36	20-31	20-37		1245	650	486	

**WORKING CONDITIONS**

Maximum working pressure: 16 bar

(6 bar for compressed air)

Maximum vacuum pressure: -0.8 bar for 10 minutes

(vacuum tests performed in laboratory, valve tested open at -0.8 bar for 10 minutes)

Maximum working temperature: -20°C / +130°C

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