

RESILIENT SEATED GATE VALVE

◆ Normal Features:

- ~ Ductile Iron Body & Bonnet with high strength and impact resistance.
 - ~ Rubber Encapsulated DI wedge to ensure drop tight sealing.
 - ~ Rubber bonnet gasket for longevity and protection of bonnet bolts.
 - ~ Stainless Steel Stem with high strength and corrosion resistance.
 - ~ Back sealing facility to allow for replacement of seals under full operating pressure.
 - ~ Straight through full bore to avoid debris traps.
 - ~ Isolated fasteners for corrosion protection.
 - ~ Wiper ring to prevent impurities from entering the stem sealing system.
 - ~ Anti friction thrust washer for low operating torques. Integral cast in foot for safe and easy storage.
 - ~ Full diameter waterway
- Hand wheel, square cap operation.

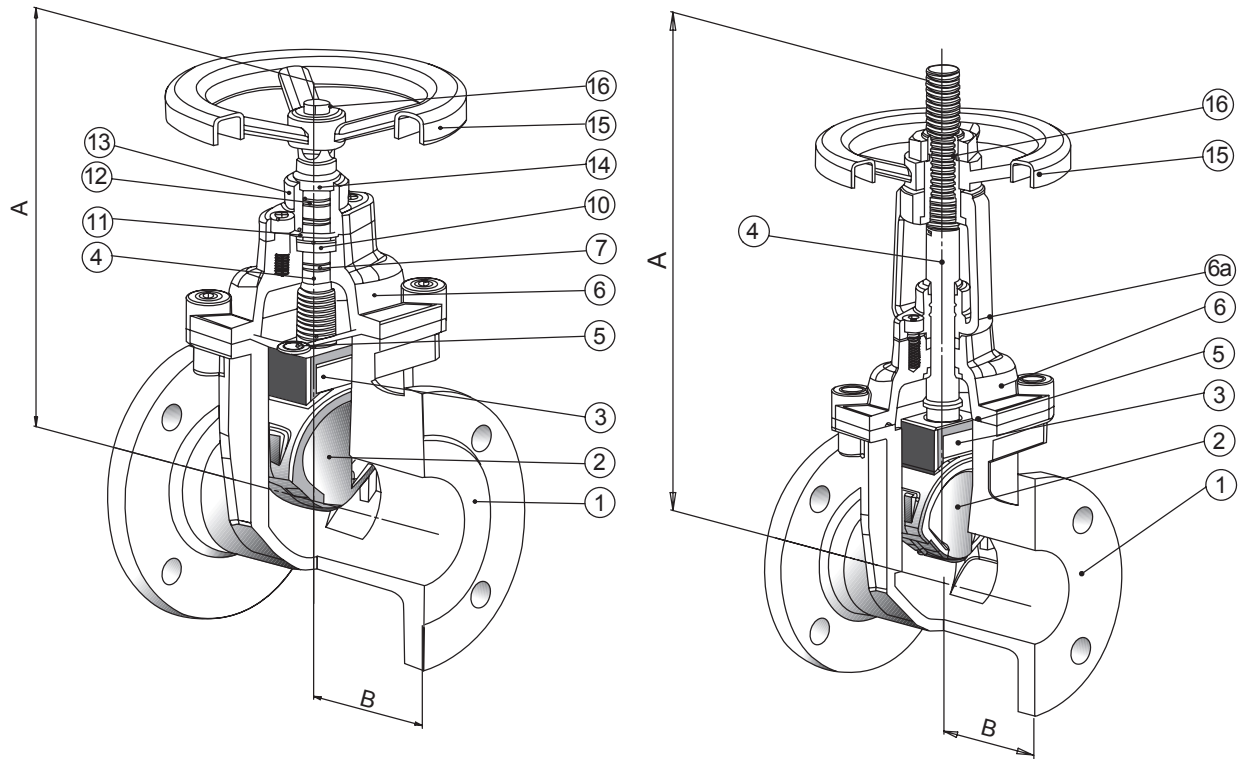


◆ Application :

Resilient Seated Gate Valves are suitable for use in drinking water and waste water, which can be installed under or above ground. Rising stem gate valves are normally used in fire service application and socket end resilient gate valves are normally used in PVC pipelines.

◆ Service conditions:

Normal : Temperature from - 10°É to 120°É for EPDM seat.
Temperature from - 12°É to 82°É for NBR seat.



Item No	Description	Material		Specification
1	Body	Ductile Iron	GGG50	ASTM A536
2	Wedge	Ductile Iron +NBR	GGG50 +NBR	ASTM A536 +NBR
		Ductile Iron +EPDM	GGG50 +EPDM	ASTM A536 +EPDM
3	Wedge Nut	Brass	Brass	ASTM B16
4	Stem	Stainless Steel	20Cr13	SS416
		Brass	Brass	ASTM B16
5	Bonnet Gasket	EPDM /NBR	EPDM /NBR	EPDM /NBR
6	Bonnet	Ductile Iron	GGG50	ASTM A536
6a	Yoke	Ductile Iron	GGG50	ASTM A536
7	O Ring	EPDM /NBR	EPDM /NBR	EPDM /NBR
8	Guide Bushing	Nylon	Nylon	Nylon
9	Circlip	Stainless Steel		
10	Stem Collar	Brass	Brass	ASTM B16
11	O Ring	EPDM /NBR	EPDM /NBR	EPDM /NBR
12	O Ring	EPDM /NBR	EPDM /NBR	EPDM /NBR
13	Gland Flange	Ductile Iron	GGG50	ASTM A536
14	Dustproof Ring	EPDM /NBR	EPDM /NBR	EPDM /NBR
15	HandWheel	Ductile Iron	GGG50	ASTM A536
16	Stem Nut	Mn-Brass	Brass	ASTM B16

Fig. Z4714



controls flow freely

DIN3352 F4 Non-Rising Stem Resilient Seated Gate Valve

RESILIENT SEATED GATE VALVE



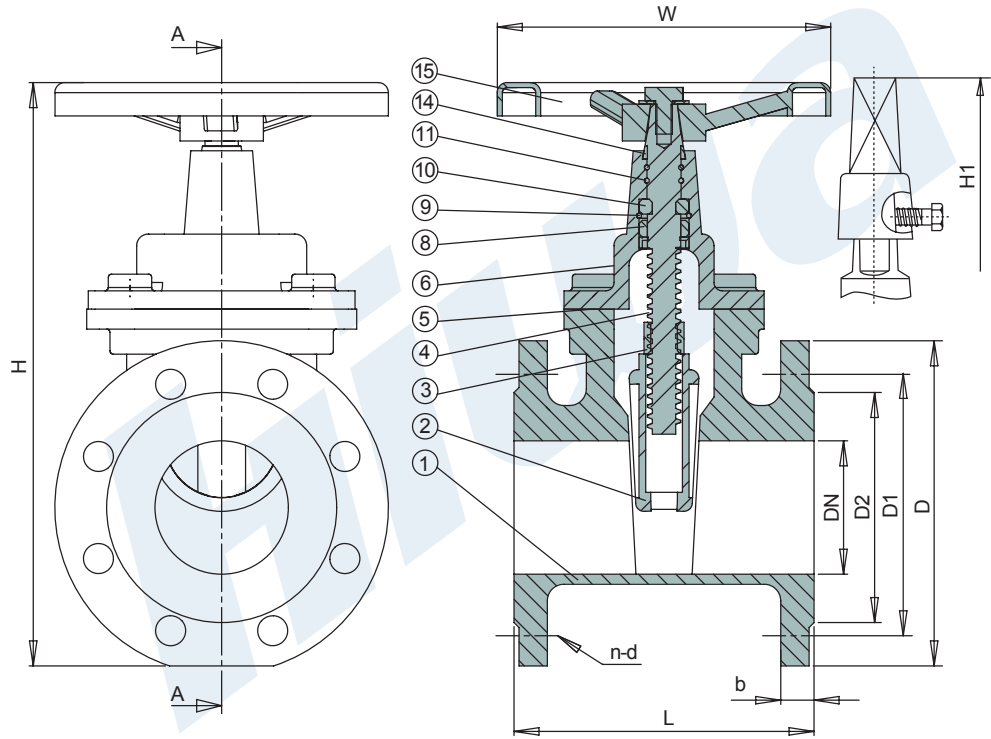
Features:

- ° Inside Screw
- ° Bolt Bonnet
- ° Non-Rising Stem
- ° Rubber Encapsulated Wedge
- ° Low-torque Operation
- ° Flanged Ends

BASIC DESIGN STANDARDS	
Basic Design	DIN 3352
Face to Face	DIN 3202-F4
Flanges	DIN 2533 PN 16
Testing	DIN 3230

PRESSURE TEST TO DIN 3230			
DN	Pressure Rating (PN)	Hydro-Test Pressure(Mpa)	
		Body	Seat
40-600	10	1.5	1.1
40-400	16	2.4	1.76

° Specific Characteristic according to Customer's request



° FREEZING WEATHER PRECAUTION:

Subsequent to testing a piping system, valves should be left in opened position for completing drainage.

° DIMENTIONS(mm)

Size	L	D	D1	D2	b	n-d	H	H1	W	W.T(kg)
DN40	140	150	110	88	17	4-18	285	335	140	9
DN50	150	165	125	102	18	4-18	295	350	140	10.5
DN65	170	185	145	122	18	4-18	328	368	140	12
DN80	180	200	160	138	18	8-18	350	400	200	16
DN100	190	220	180	158	19	8-18	400	440	200	21
DN125	200	250	210	188	19	8-18	428	488	240	25.5
DN150	210	285	240	212	19	8-22	485	545	240	33
DN200	230	340	295	268	22	12-22	560	630	295	52
DN250	250	405	355	320	22	12-26	635	735	360	86
DN300	270	460	410	378	26	12-26	700	830	360	118
DN350	290	520	470	438	28	16-26	970	955	460	165
DN400	310	580	525	490	30	16-30	1020	1070	460	225
DN450	330	640	585	548	30	20-30	1120	1200	560	490
DN500	350	715	650	610	32	20-33	1220	1300	650	620
DN600	390	840	770	725	36	20-36	1370	1470	650	760

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