

Resilient Seated Gate Valve

Flange type, DN40 – 600



Application

Drinking and neutral water 0 - 70°C

Specification

Size Range: DN40-600

Pressure Class: PN10/16

Medium: Drinking and neutral water up to 70°C

Design: EN1074 / EN1171

Face to face: EN558-1 (Serie 14&15) / ISO3202 (F4&F5)

Flange connections: EN1092-2

Pressure test: EN12266-1

Operation: Handwheel / Headcap

Features

Fully vulcanized wedge in EPDM according to EN681

Maintenance free

Full bore

100% watertight

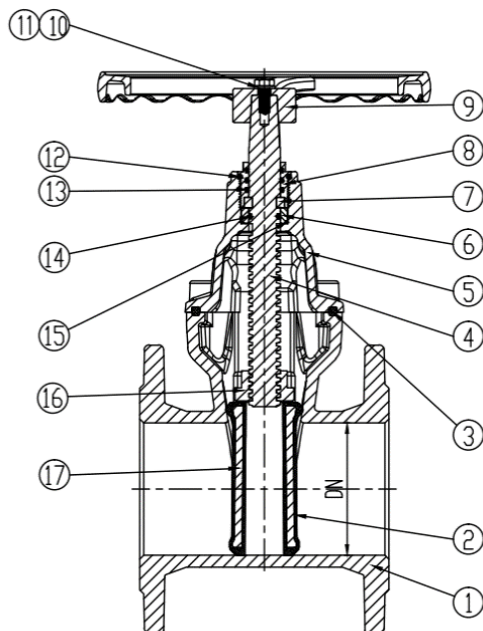
Coated with FB epoxy minimum 250 µm thickness

Blue color RAL5015



Description

Gate valve is mainly used to connect and cut off the medium in the pipeline by rotating the stem. Resilient-seated gate valve with bolted cover connection; made of ductile iron and with epoxy coating, designed as both clockwise and anti-clockwise directions. The ductile iron core is fully vulcanized internally and externally with drinking water approved EPDM rubber. No iron parts are exposed to the medium and the excellent rubber vulcanization prevents creeping corrosion underneath the rubber. Guides in the wedge and on the valve body ensure a uniform closure regardless of high pressure. Safe operation is ensured, as the guides prevent overloading of the stem. The wedge has a large through bore and as there are no hollows in the core, stagnant water or impurities cannot collect and cause contamination.



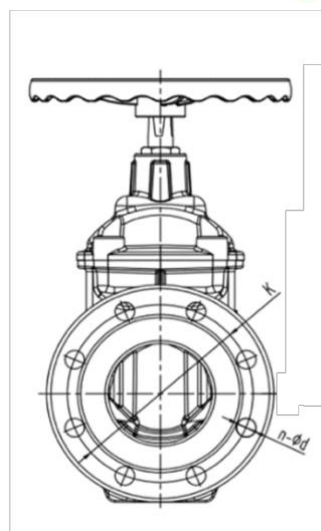
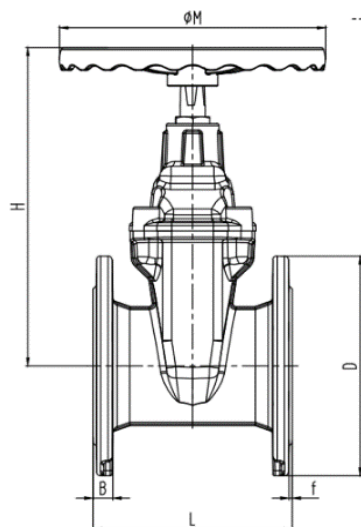
Item	Part Name	Material
1	Body	EN-GJS-500-7
2	Disc	DI + EPDM
3	Bonnet Gasket	NBR
4	Stem	AISI420
5	Bonnet	EN-GJS-500-7
6	Thrust Washer	Brass
7	Thrust	Brass
8	Thrust Nut	Brass
9	Hand wheel	EN-GJS-500-7
10	Bolts	AISI304
11	Washers	AISI304
12	O-Ring	NBR
13	O-Ring	NBR
14	O-Ring	NBR
15	O-Ring	NBR
16	Stem Nut	Brass
17	Core	EN-GJS-500-7

* All dimensions are in mm and weights in kg. The designation, technical data and others are non-binding and subject to change.



Resilient Seated Gate Valve F4

Flange type, DN40 – 600



Resilient Seated Gate Valves DN40-600 PN10/16 according to EN558-1 (series 14) and DIN3202 (F4)

DN	PN	Face to face (L)	H	M	End Flange according to EN1092-2					Switch Turn	Closing Torque (N.m)	Weight	ALVACO Ref. No.
					D	K	n-d	B	f				
40	10/16	140	215	Ø180	150	110	4-Ø19	19	3	9,0	30	8	RSGV404016
50	10/16	150	215	Ø180	165	125	4-Ø19	19	3	9,0	40	9	RSGV405016
65	10/16	170	250	Ø200	185	145	4-Ø19	19	3	10,0	50	11	RSGV406516
80	10/16	180	270	Ø200	200	160	8-Ø19	19	3	12,0	60	13	RSGV408016
100	10/16	190	320	Ø220	220	180	8-Ø19	19	3	12,0	80	19	RSGV410016
125	10/16	200	365	Ø254	250	210	8-Ø19	19	3	14,5	100	24	RSGV412516
150	10/16	210	400	Ø280	285	240	8-Ø23	19	3	17,0	120	30	RSGV415016
200	10	230	490	Ø315	340	295	8-Ø23	20	3	18,5	150	49	RSGV420010
	16					295	12- Ø23						RSGV420016
250	10	250	590	Ø406	405	350	12-Ø23	22	3	23,0	200	75	RSGV425010
	16					355	12- Ø28						RSGV425016
300	10	270	665	Ø406	460	400	12-Ø23	24,5	4	27,0	250	100	RSGV430010
	16					410	12- Ø28						RSGV430016
350	10	290	760	Ø500	520	460	16-Ø23	26,5	4	30,5	300	151	RSGV435010
	16					470	16- Ø28						RSGV435016
400	10	310	850	Ø500	580	515	16-Ø28	28,0	4	34,5	350	208	RSGV440010
	16					525	16- Ø31						RSGV440016
450	10	330	980	Ø650	640	565	20-Ø28	30,0	4	34,0	400	250	RSGV445010
	16					585	20- Ø31						RSGV445016
500	10	350	1050	Ø650	670	620	20-Ø28	26,5	4	32,5	450	325	RSGV450010
	16					715	20- Ø34						RSGV450016
600	10	390	1245	Ø650	780	725	20-Ø31	30,0	5	35,0	550	580	RSGV460010
	16					840	20- Ø37						RSGV460016

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