



India's Most Admired Brand



SINCE
1972

Controlling Fluids is our Expertise

K511 - Available Options

Cap Operated | Hand Wheel Operated Gearbox Operated
Actuator Operated

Approved with

UP Jal Nigam, MP Jal Nigam, WRD, GWSSB, MJP. KWA.
KUWSDB

An ISO 9001: 2015 Certified Company. Since 1972, we have been manufacturing world-class valves & fittings and have a satisfied customer base spread all over the world.

K-511 Resilient Seated Gate Valve (Flanged)



Features

As per BS:5163 / DIN:3202 / EN: 1171 / IS:14846

Ductile Iron Body, IS:1865 SG400

Fusion Bonded Epoxy Coating (RAL 5005)

Fully Rubber Lined Wedge with EPDM /Nitrile

VacuumTight, 100% Leak Proof

Flange to Flange distance as per IS:14846

Drilling as per IS:1538 / IS:9523

Pocket-less Flat Bottom Design

Size Range: 40mm to 1000mm

Available in PN10 / PN16 / PN20

Suitable for Water

Tested & Certified by



Resilient Seated Gate Valve

(Flanged)

Advantages

- > Maintenance-free design with electrostatic epoxy coating (both inside & outside) of min. 250 µm thickness.
- > The valve can be installed under the ground directly.
- > The valve is designed with back seat seat & stem seal. These two seals prevent any top leakage during valve operation. If required, the customer can easily replace the top seal "O" rings, even under pressure.
- > The valve adopts pocket-less body design at bottom which ensures there is no space for any solid in the fluid to settle inside the valve & hinder valve closure. This reduced flow resistance also reduces pressure drop.
- > The wedge adopts bi-directional groove design which ensures the best reliable seal.
- > The pressurized surface of stem has high strength self-lubricating seals, thereby ensuring easy opening & closing of the valve.
- > The bonnet & body castings have equal thickness to avoid any failure due to stress function.



Specification

Nominal Size	40-1000mm
Standard Pressure	PN10 / PN16 / PN20
Body Test Pressure	15 Bar / 24 Bar / 30 Bar
Sealing Test Pressure	11 Bar / 16 Bar / 20 Bar
Application Temperature	≤ 80°C
Medium Key Material	Ductile Iron with fusion bonded epoxy coating



K-511G
Gearbox Operated



K-511A
Actuator Operated



K-511ES
Extension Stem

Resilient Seated Gate Valve

(Flanged)

K-511

Materials of Construction

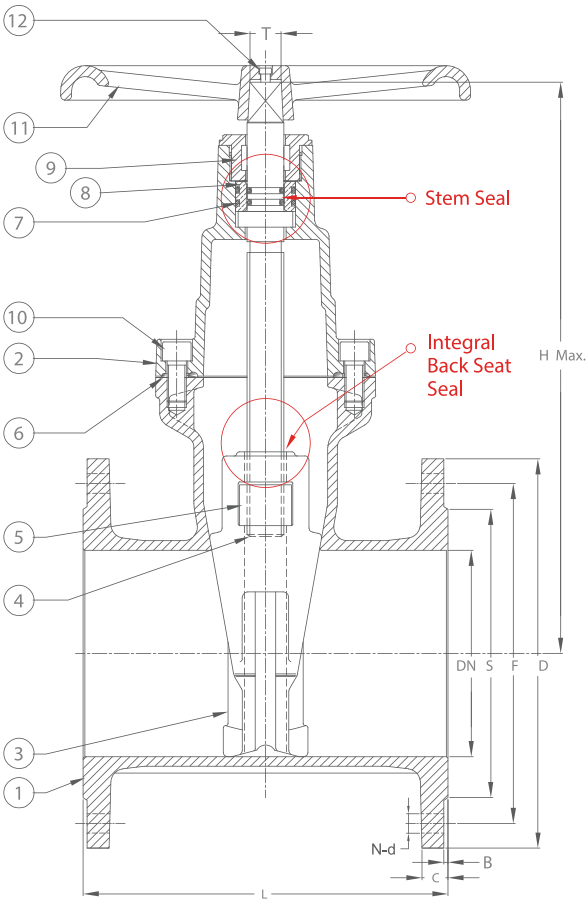
No.	Part Name	Material (International Specifications)	Material (Indian Specifications)
1	Body	Ductile Iron GGG40 / GGG50 / EN1563 : ENCJS - 400 15	IS: 1865 SG400 / 15 or SG500 / 7
2	Bonnet	Ductile Iron ENCJS - 450 10	IS: 1865 SG400 / 15 or SG500 / 7
3	Wedge	GGG Bonded with NBR or EPDM	SG Bonded with NBR or EPDM
4	Stem	Stainless Steel SS 410 / SS 304	IS: 6603 12Cr 12 / X04 Cr 19Ni9
5	Stem Nut	Brass / Bronze	IS: 320 /IS: 318
6	Body Gasket	NBR or EPDM	IS: 638 Type-B
7	O-Ring	NBR or EPDM	-
8	Stem Seal Bush	Brass / Bronze	IS: 320 /IS: 318
9	Seal Cover	Stainless Steel SS 410 / SS 304	IS :6603 12Cr 12 / X04 Cr 19Ni9
10	Bolts	CS / SS	-
11	Handwheel	Sheet Metal / GGG40	- / IS: 1865 SG400 / 15 or SG500 / 7
12	Bolt for Wheel	CS / SS	-

Dimensional Data

DN	H	T	L	D	F	S	B	C	N-d
40	350	14	165	150	110	84	3	19	4-19
50	365	14	178	165	125	99	3	19	4-19
65	380	17	190	185	145	118	3	19	4-19
80	425	17	203	200	160	132	3	19	4-19
100	470	19	229	220	180	156	3	19	8-19
125	485	19	254	250	210	184	3	19	8-19
150	595	19	267	285	240	211	3	19	8-23
200	725	24	292	340	295	266	3	20	8-23
250	835	27	330	395	350	319	3	22	12-23
300	910	27	356	445	400	370	4	24.5	12-23
350	1020	32	381	505	460	429	4	24.5	16-23
400	1110	36	406	565	515	480	4	24.5	16-28
450	1200	36	432	615	565	530	4	25.5	20-28
500	1300	42	457	670	620	582	4	26.5	20-28
600	1500	48	508	780	725	682	5	30	20-31
700	1670	48	610	895	840	794	5	31.5	24-31
800	1930	48	660	1015	950	901	5	35	24-31
900	2080	53	711	1115	1050	1001	5	37.5	28-34
1000	2200	53	811	1230	1160	1112	5	40	28-37

Drillings as per IS:1538. Drillings as per other standards are supplied on request.

Material standard are subjected to change without notice. Any special combination can also be supplied on request. The gate valve can be installed in horizontal and vertical pipelines. Closing of the gate valve proceeds in a clockwise direction (when facing the top of the valve).





K-511R

Resilient Seated Gate Valve (Rising Stem, Outside Screw & Yoke Type, Flanged)

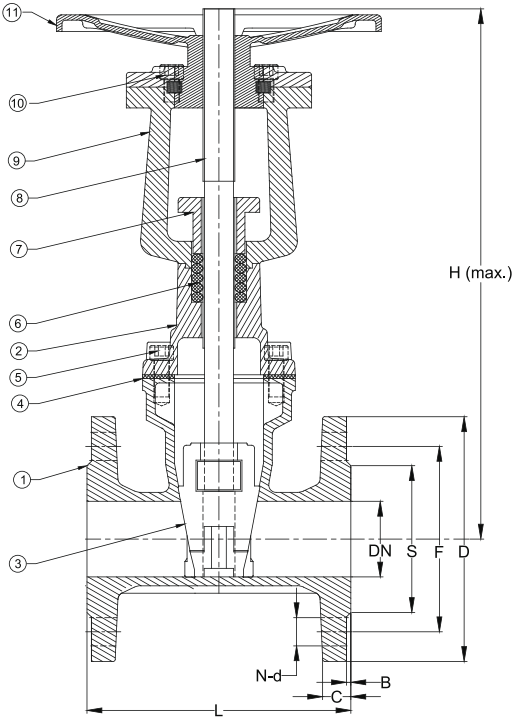


Materials of Construction

No.	Part Name	Material	Grade
1, 2	Body, Bonnet	Ductile Iron	IS: 1865 SG400 / 15 or SG500 / 7
3	Wedge	DI with Vulcanized Rubber	NBR / EPDM
4, 6	Gasket, O-Ring	Nitrile / EPDM	NBR / EPDM
5, 10	Bolts	Carbon Steel	IS: 1363
7, 11	Gland, Handwheel	Ductile Iron	IS: 1865 SG400 / 15 or SG500 / 7
8	Stem	Stainless Steel	IS: 6603 12Cr12
9	Yoke Assembly	Ductile Iron	IS: 1865 SG400 / 15 or SG500 / 7

Dimensional Data

DN	H	L	D	F	S	B	C	N-d
40	340	165	150	110	84	3	19	4-19
50	356	178	165	125	99	3	19	4-19
65	380	190	185	145	118	3	19	4-19
80	390	203	200	160	132	3	19	4-19
100	430	229	220	180	156	3	19	8-19
125	530	254	250	210	184	3	19	8-19
150	560	267	285	240	211	3	19	8-23
200	610	292	340	295	266	3	20	8-23
250	850	330	395	350	319	3	22	12-23
300	920	356	445	400	370	4	24.5	12-23



Kartar Valves Pvt. Ltd
Juneja Complex, Village Variana,
Kapurthala Road, Jalandhar 144013, Punjab



Branch Offices
Delhi . Kolkata . Hyderabad . Indore . Chennai . Ahmedabad

Helpline
1800 419 9395

Sales Inquiry
81958 39700

Email
info@kartarvalves.com



www.kartarvalves.com