



Enriching Lives

## RESILIENT SEATED GATE VALVE

AS PER BS : 5163 (BS EN 1074)



**KIRLOSKAR BROTHERS LIMITED**

A Kirloskar Group Company  
Established 1888

## RESILIENT SEATED GATE VALVES

Widely accepted by Municipal Corporations, Irrigation Authorities, Water Supply Authorities and Industrial users.  
Designed as per latest editions of BS specifications.

### **Applications :**

- Resilient - seated gate valves are used for reliable and safe supply of drinking water.
- Suitable for Isolation duty (Full Open / Full Close)
- Water Supply lines and water plants

### **Salient Constructional Features :**

- Pocket less design ensures minimal head loss across valve
- Assured leak tightness for long service life
- Completely rubber encapsulated wedge. No exposure of insert to the handled fluid
- Optimum contact between body seating and rubber sealing surfaces on wedge, leading to bubble - tight sealing at very low operating torque
- Body casting having smooth and tenacious epoxy coats ensuring long service life with minimal friction during operation
- Stem guide provided by finely finishing bearing bush
- Stem sealing free of gland packing, eliminating gland leaks and reducing gland friction torque substantially
- Wide variety of materials for components, wide range of sizes and pressure ratings
- Non Rising and Rising Stem constructions, with Handwheel / Cap and accessories like Gearing (Spur / Bevel), Electrical Actuator, Hand stock can be provided
- Suitable for above ground and buried installations in Waterworks

## Material of Construction :

Scope	Body, Dome	Wedge	Spindle
Standard	Ductile Iron IS 1865 Gr 500 / 7	Ductile Iron IS:1865, Gr. 500/7 with EPDM encapsulation	SS ASTM A276 Type 410
Optional	Ductile Iron IS:1865, Gr. 400/15	Ductile Iron IS:1865, Gr. 400/15 with EPDM encapsulation	SS ASTM A276 Type 304 SS ASTM A276 Type 316 SS ASTM A276 Type 431 High Tensile Brass

Note : 1. For Materials other than specified above, please contact Design Office.

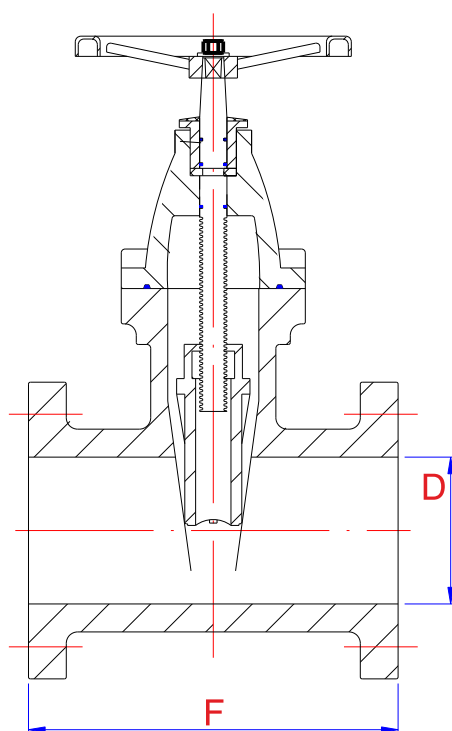
## Technical Specifications :

Design and Manufacturing Standard	BS 5163 / BS EN 1074 - 1 and 2
Testing Standard	EN 1074 - 1 and 2
Face to Face Dimension	BSEN 558
Size Range	50 mm - 1000 mm
Pressure Rating	PN 10, PN 16

Note: 1. For Higher Pressure Rating contact Design Office.

## General Outline Drawing :

### Typical Cross Sectional Drawing of NRS Type Resilient Seated Gate Valve



Note: 1. This is a representative Drawing. Constructional details may change depending on size and pressure rating.

## General Outline Dimensions ;

DN	F
50	178
65	190
80	203
100	229
125	254
150	267
200	292
250	330
300	356

DN	F
350	381
400	406
450	432
500	457
600	508
700	610
800	660
900	711
1000	811

Note: 1. All Dimensions are in 'mm' otherwise stated.

## End Connection :

Scope	Flange Drilling Standard
Standard Supply	BS EN 1092 Part 2
Optional	IS : 1538 Table 4 and 6
	ANSI B 16.1 / 16.5
	DIN 2532 (ND10)
	IS : 6392

Note: 1. Valves can be supplied with flat as well as raised face

## Accessories :

- Captop
- Companion Flange
- Gear Box
- Electric Actuator

## Hydrostatic Test Pressures :

Scope	Pressure Rating (Bar)	Hydrostatic test Pressures (Bar)	
		Body	Seat
Standard	PN 10	17	11
Supply	PN 16	25	17.6
Optional	For Higher Pressure ratings PN : 20 / 25 can be supplied on case to case basis (Please refer to Design office).		

### Notes :

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OUR GLOBAL PRESENCE



# ABOUT KBL

Kirloskar Brothers Limited (KBL) is a world class pump manufacturing company with expertise in engineering and manufacture of systems for fluid management. Established in 1888 and incorporated in 1920, KBL is the flagship company of the \$ 2.1 billion Kirloskar Group. KBL, a market leader, provides complete fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, oil & gas and marine & defence. We engineer and manufacture industrial, agriculture and domestic pumps, valves and hydro turbines.

In 2003, KBL acquired SPP Pumps, United Kingdom and established SPP INC, Atlanta, USA, as a wholly owned subsidiary of SPP, UK to expand its international presence. In 2007, Kirloskar Brothers International B.V., The Netherlands and Kirloskar Brothers (Thailand) Ltd., a wholly owned subsidiary in Thailand, were incorporated. In 2008, KBL incorporated Kirloskar Brothers Europe B.V. (Kirloskar Pompen B.V. since June 2014), a joint venture between Kirloskar International B.V. and Industrial Pump Group, The Netherlands. In 2010, KBL further consolidated its global position by acquiring Braybar Pumps, South Africa. SPP MENA was established in Egypt in 2012. In 2014, KBL acquired SyncroFlo Inc., the largest independent fabricator of commercial and municipal domestic water booster pumps.

To further strengthen its global position, in 2015, Kirloskar Pompen B.V. acquired Rodelta Pumps International, The Netherlands.

KBL has joint venture cooperation with Ebara, Japan since 1988 for the manufacture of API 610 standard pumps. Kirloskar Corrocoat Private Limited is a joint venture cooperation with Corrocoat, UK since 2006. KBL acquired The Kolhapur Steel Limited in 2007 and Hematic Motors in 2010.

KBL has eight manufacturing facilities in India at Kirloskarvadi, Dewas, Kondhapuri, Shirwal, Sanand, Kaniyur, Kolhapur and Karad. In addition, KBL has global manufacturing and packaging facilities in Egypt, South Africa, Thailand, The Netherlands, United Arab Emirates, United Kingdom and United States of America. KBL has 12,700 channel partners in India and 80 overseas and is supported by best-in-class network of Authorised Centres and Authorised Refurbishment Centres across the country.

All the manufacturing facilities at KBL are certified for ISO 9001, ISO 14001, ISO 50001, BS OHSAS 18001 and SA8000. In addition, the Kirloskarvadi plant is also certified for N & NPT Stamp. KBL's corporate office in Pune is certified for ISO 9001 & Sa8000.

The factories deploy Total Quality Management tools using European Foundation for Quality Management (EFQM) model.

The Kirloskarvadi plant of KBL is a state-of-the-art integrated manufacturing facility having Asia's largest hydraulic research centre with testing facility upto 5000 kW and 50,000 m<sup>3</sup>/hr.

KBL is the ninth pump manufacturing company in the world to be accredited with the N and NPT certification by American Society of Mechanical Engineers (ASME).

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## KIRLOSKAR BROTHERS LIMITED

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### OUR COMPANIES



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