



Enriching Lives

RESILIENT SEATED GATE VALVE

AS PER BS: 5163



KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company

NOTES

ABOUT KBL

Kirloskar Brothers Limited (KBL) is a world-class pump manufacturing company with expertise in the engineering and manufacturing of fluid management systems. Established in 1888 and incorporated in 1920, KBL is the mother company of the Kirloskar Group. KBL provides complete fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, building & construction, oil & gas industry, and marine & defence. KBL manufactures industrial, agriculture and domestic pumps, valves and hydro-turbines.

Over the years, KBL has developed innovative products, which have enabled it to carve a niche globally. It is a global conglomerate and is equipped with the best technologies in the world. It is also India's largest centrifugal pump manufacturer with nine manufacturing facilities in India along with other international subsidiaries and operations in the Netherlands, South Africa, Thailand, the United Kingdom, and the United States of America. KBL has over 16,000 channel partners globally and is supported by best-in-class Pan-India network of authorised service and refurbishment centres.

KBL is the first Indian pump manufacturing company to be certified for Integrated Management System, (ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, ISO 50001:2018).

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

Indian subsidiaries and joint ventures

- Kirloskar Ebara Pumps Limited (KEPL) manufactures API, Non-API pumps, and steam turbines.
- Kirloskar Corrocoat Private Limited (KCPL) is the leading solution provider in long-term corrosion protection and energy conversion.

- Karad Projects and Motors Limited (KPML) is a motor manufacturing company with expertise in the manufacture of stampings, stators, rotors, AC rotating machines, aluminium die-cast connecting rods and pump assemblies. It also houses a notable foundry facility specialising in the manufacture of a wide range of carbon steel, alloy steel, stainless steel and cast iron castings for industries such as pumps, valves, turbines, shipping, heavy engineering applications and more.

International, subsidiaries and joint ventures

- SPP Pumps Limited, United Kingdom is a 140-year-old leading pumps manufacturer of centrifugal pumps and associated systems, a global principal in the design, supply and servicing of pumps, renowned fire pump packages and high-quality equipment for a wide range of applications and industry sectors. It is the largest pump manufacturer in the United Kingdom.
- SyncroFlo, Inc., United States of America manufactures pre-assembled pumping systems and provides solutions for HVAC systems, fire protection and turf irrigation.
- Rodelta Pumps International is a Dutch pump manufacturing company that offers products for flood control, irrigation, drinking water, wastewater, pulp & paper, power, chemical, oil & gas and general industries.
- Kirloskar Brothers Thailand Limited (KBTL), Bangkok is the Thailand Board of Investment (BOI) promoted headquarters and assembly plant of the KBL Group companies for the ASEAN and East Asia regions.
- Braybar Pumps (Pty) Limited, Republic of South Africa is engaged in the manufacturing and sales of high-head multi-stage pumps, rubber-lined slurry pumps and metal-lined bearings.

Pumps | Valves | Hydro Turbines | Turnkey Projects

Water Resource Management | Irrigation | Power | Industry | Oil & Gas | Marine & Defence | Building & Construction | Distribution (Small Pumps) | Valves | Customer Service & Spares



Global Headquarter:
"Yamuna", Baner, Pune.



RESILIENT SEATED GATE VALVES

Kirloskar Resilient Seated Gate valves are widely used by municipal corporations, irrigation authorities, water supply authorities & industrial users. These valves are designed & manufactured as per BS 5163 / BSEN 1074 - 1 & 2 and tested as per BS EN12266-1 & 2 standards.

Applications:

- Facilitates reliable and safe supply of drinking water
- Suitable for isolation duty (full open / close)
- Suitable for water supply lines and water plants

Salient Constructional Features:

- Suitable for above ground and buried installations in waterworks
- Available in variety of materials for components
- Available in different sizes and pressure ratings
- Bubble tight sealing with a very low operating torque
- Rubber encapsulated wedge to avoid exposure to media

Material of Construction

Scope	Body, Dome	Wedge	Spindle
Standard	Ductile Iron IS 1865 Gr 500 / 7	Ductile Iron with EPDM encapsulation	SS ASTM A276 Type 410
Optional	Cast Steel ASTM A216 Gr WCB	Cast Steel with EPDM encapsulation	SS ASTM A276 Type 304 SS ASTM A276 Type 316 SS ASTM A276 Type 431 High Tensile Brass

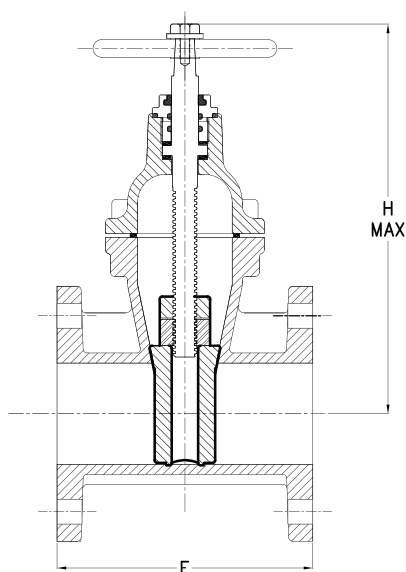
Note: *For Materials other than specified above, please contact Design Office.

Technical Specifications:

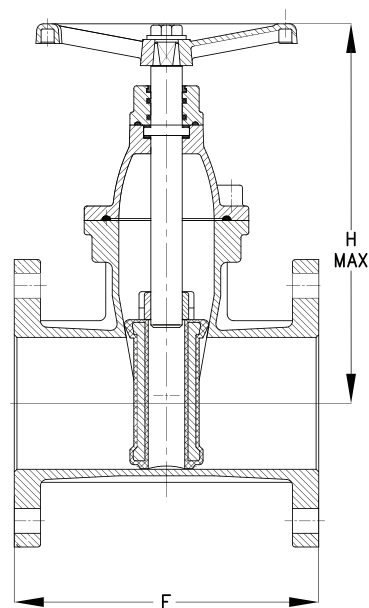
Design and Manufacturing Standard	BS 5163 / EN 1074 - 1 and 2
Testing Standard	EN 1074 - 1 and 2
Face to Face Dimension	BSEN 558
Size Range	50 mm - 300 mm
Pressure Rating	PN 6, PN 10, PN 16

Note: *For Higher Pressure Rating contact Design Office.

GENERAL OUTLINE DRAWING



Size Range:
50 mm to 100 mm



Size Range:
125 mm to 300 mm

General Outline Dimensions:

Size	F	H Max
50	178	250
65	190	270
80	203	312
100	229	360
125	254	400
150	267	420
200	292	595
250	330	690
300	256	790

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

End Connection:

Scope	Flange Drilling Standard
Standard Supply	BS EN 1092 Part 2
Optional	BS: 10 - Table D / E / F BS EN 1092.2 (BS : 4505) 6, 10, 16 Bar IS: 1538 Table IV and VI ANSI B 16.1 / 16.5 DIN 2532 (10 Bar) IS: 6392

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

Accessories:

- Captop
- Chain Padlock Arrangement
- Companion Flange

Hydrostatic Test Pressures:

Scope	Pressure Rating (Bar)	Hydrostatic test Pressures (Bar)	
		Body	Seat
Standard Supply	PN 6	12	6.6
	PN 10	17	11
	PN 16	25	17.6
Optional	For Higher Pressure ratings PN: 20 / 25 / 30 can be supplied on case to case basis.		

NOTES



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REGISTERED OFFICE & GLOBAL HEADQUARTERS

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OUR COMPANIES



BRAYBAR PUMPS (PTY) LTD
Republic of South Africa



KARAD PROJECTS AND MOTORS LIMITED
India



KIRLOSKAR BROTHERS (THAILAND) LIMITED
Thailand



KIRLOSKAR CORROCOAT PRIVATE LIMITED
India



KIRLOSKAR EBARA PUMPS LIMITED
India



RODELTA PUMPS INTERNATIONAL B.V.
The Netherlands



SPP PUMPS LIMITED
United Kingdom



SYNCROFLO, INC.
U.S.A.