



Enriching Lives

SINGLE PLATE WAFER CHECK VALVE

AS PER API: 6D



KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company

[illegible]

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.



SINGLE PLATE WAFER CHECK VALVES

Widely accepted by Municipal Corporations, Water Supply Authorities and Industrial users.
Designed as per latest edition of API : 6D specifications.

Applications

- Single Plate Check Valves are used in pipe lines to prevent reverse flow of water to the pumps from rising mains

Features

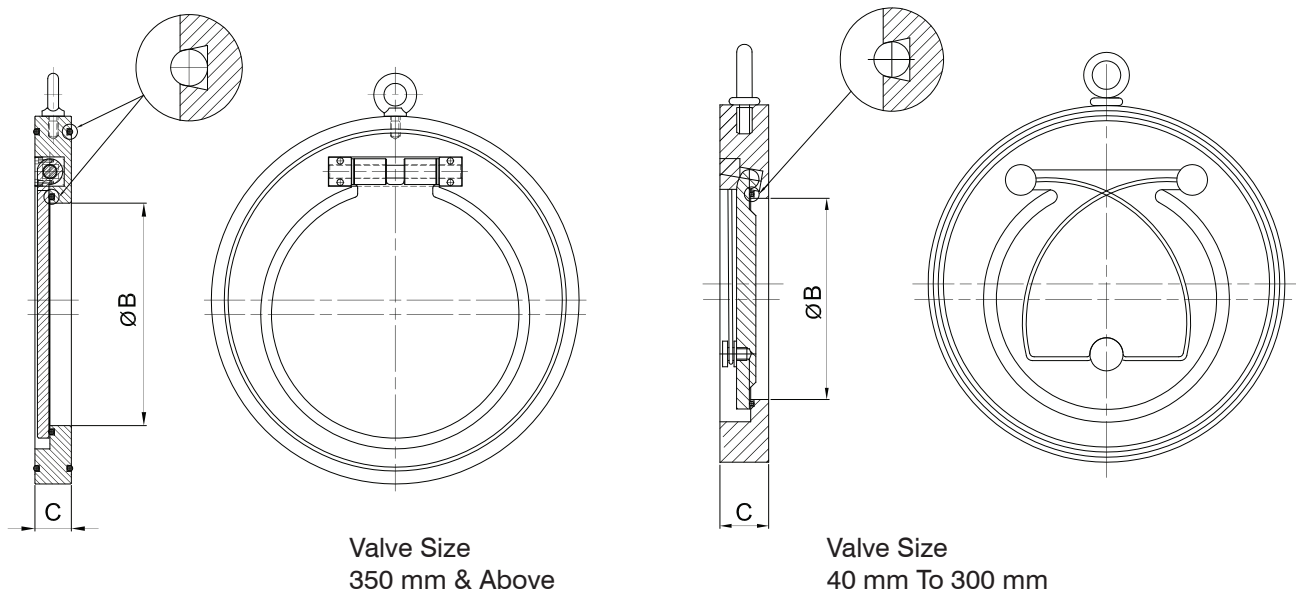
- Precise machined seats for drop tight seat
- The light weight disc is provided with spring for slamless closure
- Special D-Shaped High torsion spring coil ensures quick valve closure
- Innovative Hinge pin holding design for maintenance free operation
- Opening and closing of the valve will take place at an extremely low-pressure difference over the valve disc
- Low pressure drop

Material of Construction

Scope	Body	Disc	Seat	Spring
Standard	CI IS:210 Gr. FG.260	CS ASTM A216 Gr. WCB / Mild Steel	Nitrile Rubber	SS AISI 316
Optional	Ductile Iron/ CS ASTM A216 Gr. WCB / SS ASTM A351 Gr. CFS/ SS ASTM A351 Gr. CFSM / Mild Steel	SS ASTM A351 Gr. CF8/ SS ASTM A351 Gr. CF8M	EPDM	

Note : 1. For special material of construction, Contact Design Office.
2. Valves above 300mm will be without spring

GENERAL OUTLINE DRAWING



General Outline Dimensions: Class 150

Valve Size	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
NB	20	30	40	52	71.5	93	114	157	195	240	270	311	361	392	480
C	19	19	19	19	19	19	19	29	29	38	44	51	60	64	70

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

Technical Specifications:

Design and Manufacturing Standard	API: 6D
Testing Standard	API 598
Size Range	40 mm - 600 mm

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

End Connection:

Scope	Mounting Between Flanges
Standard	ANSI B 16.5 Class- 150
Optional	BS: 10-Table D and E , IS : 1538 Table 4 and 6.

Accessories:

- **Companion Flanges & Fasteners**

Hydrostatic test Pressures Kg/Cm²:

Pressure Rating	Hydrostatic test Pressures Kg/Cm²:	
	Body	Seat
Class - 150	30	22
Class - 300	79	58
PN 10	15	10
PN 16	24	16

NOTES



Enriching Lives

KIRLOSKAR BROTHERS LIMITED

Established 1888
A Kirloskar Group Company

REGISTERED OFFICE & GLOBAL HEADQUARTERS

“Yamuna”, S. No. 98/(3-7), Plot No. 3, Baner,
Pune - 411 045, Maharashtra, India.

Toll Free: 1800-123-4443 | **Phone:** +91 (20) 67214444

Email: marketing@kbl.co.in | **Fax No.** 020 67211060

Website: www.kirloskarpumps.com | **CIN No.** L29113PN1920PLC000670

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



SYNCRIFLO, INC.
U.S.A.