



Enriching Lives

SWING TYPE FOOT VALVES

AS PER IS 4038



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.



SWING TYPE FOOT VALVES

- ▶ Widely accepted by Municipal Corporations, Irrigation Authorities, Water Supply Authorities, National Thermal Power Corporation and Industrial users.
- ▶ Designed as per latest editions of IS 4038 specifications

APPLICATIONS

- ▶ Foot valves are installed in suction side of the pumps to avoid flow reversal from pump to the sump in order to maintain pump priming.
- ▶ They also prevent entry of foreign particle into pump through suction pipe. These valves are suitable for having clear water within the limits specified by IS:4038

SPECIAL FEATURES

- ▶ Rigid and sturdy design with minimum loss of head Across the valve.
- ▶ Perfectly flat seating faces for good sealing.
- ▶ Long service life.

Material of Construction

Size	Housing, Seat, Strainer	Door	Door Plate	Hinge Pin	Door Face
50mm-150mm	Cast Iron	Cast Iron	Cast Iron	NA	Natural Rubber with Reinforcement of cotton canvas
200mm-450mm	Cast Iron	Cast Iron	Cast Iron	SS AISI 410	
500mm-600mm	MS (Fab.)	MS (Fab.)	MS (Fab.)	SS AISI 410	

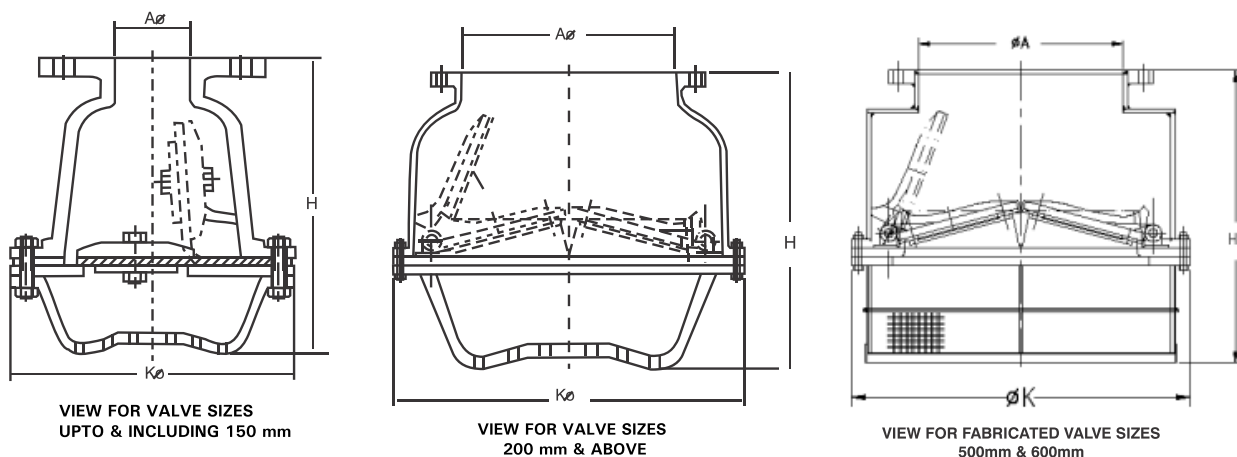
For Special Material Of Construction, Contact Design Office.

Protective Coating For Housing, Seat, Strainer, Door, Doorplate Can Be Offered As Per Requirement.

Technical Specification

Design and testing standard	
Design & Manufacturing Standard	IS:4038
Testing Standard	IS:4038
Size Range	50mm to 600mm
Pressure Rating	PN 0.2
Higher Pressure Rating Contact Design Office	

General Out Line Drawing & Cut View



GENERAL OUT LINE DIMENSIONS

Value Size (A Dia.) NB	H Approx.	K Dia Approx.	No.of Doors
50 mm	150	122	01
65 mm	185	136	
80 mm	205	161	
100 mm	225	165	
125 mm	245	212	
150 mm	310	290	
200 mm	405	436	02
250 mm	490	478	
300 mm	532	553	
350 mm	636	660	
400 mm	693	740	
450 mm	693	740	
500 mm (Fabricated)	835	860	
600 mm (Fabricated)	935	1000	

Note : * All Dimensions are in 'mm'

End Connections

Availability	Flange Drilling Standard
Standard Supply	IS: 1538 table 4&6
Optional	BSEN 1092-2 PN 10 BS: 10 - Table D ASME B16.1 CL125 IS:6392

Hydrostatic Test Pressure

	Size Range	Testing Standard & Pressure Rating (Mpa)	Hydrostatic Test Pressure Kg/cm2(mpa)	
			Body	Seat
Standard Supply	500 to 600 mm	IS: 4038 PN0.2	6.12 (0.6)	2.04 (0.2)

NOTES

[illegible]



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



SYNCROFLO, INC.
U.S.A.