



Enriching Lives

KIRLOSKAR VALVES

Precision and Durability with Customised Solutions



KIRLOSKAR BROTHERS LIMITED

ABOUT US

Kirloskar Brothers Limited, with over ten decades of immense experience and unfailing customer satisfaction, has become the name to reckon with for the supplies of pumps, valves and complete pumping solutions in India and across the globe.

KBL is the first valve manufacturing company in India accredited with ISO 9001 certificate. The quality and performance of Kirloskar valves is facilitated by :

- One of the Asia's largest Hydraulic Research Centres
- In-house integrated foundries
- Dedicated valve manufacturing facility at Kondhapuri, near Pune, India
- Latest machines and modern automated test rigs

KBL is among the largest manufacturers of Butterfly Valves in India with current size range up to 3800 mm and capacity to manufacture up to 5000 mm. The plant has the capacity to design and develop valves with customised solutions conforming to various National and International Standards such as IS / BS EN / AWWA / API. KBL is the first valve manufacturing company to introduce Sluice Valves in India and to have successfully carried out Flow Test on a large size Butterfly Valve (2200 mm) in-house at our Hydraulic Research Centre .

Kirloskar Brothers Limited is the first and only manufacturer in India to get Gate Valves FM approved and UL listed & CE Marking .



Valve Manufacturing Plant, Kondhapuri, Near Pune India.

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. The market leader in fluid management, KBL 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 & 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 and expanded 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 BV (Kirloskar Pompen BV since June 2014), a joint venture between Kirloskar Brothers International BV and Industrial Pump Group, The Netherlands. In 2010, KBL further consolidated its global position by acquiring 90% stakes in Braybar Pumps, South Africa. SPP MENA was established in Egypt in 2012. KBL has joint venture cooperation with Ebara, Japan since 1988. Kirloskar Corrocoat Private Limited is 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 Ahmedabad, Coimbatore, Kolhapur and Karad. In addition, KBL has seven 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 plants of KBL are ISO 9001 & ISO 14001, OHSAS 18001, ISO 14000 Environment Standard certified. They apply 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 up to 5000 kW and 50,000 m³/hour.

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



BUTTERFLY VALVE

KBL is among the largest manufacturer of butterfly valves in India with current size range up to 3800 mm and capacity to manufacture up to 5000 mm. Kirloskar butterfly Valves are compact, light in weight, rigid with sturdy design

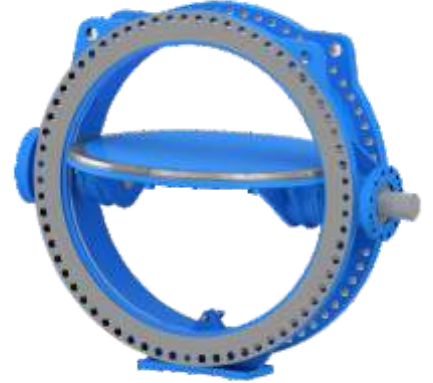
Manufacturing Standard	: IS13095 / BS EN 593 (BS5155) / AWWA C504 / IS7326
Size Range	: 50 to 5000 mm : 50 to 700 mm Size Centric Type : 80 to 5000 mm Size Single Eccentric & Double Eccentric Type
Pressure Ratings	: PN6, PN10, PN16, PN20, PN 25, PN 30, PN 40, CL-75, 150, 250
End Connection	: 50 to 700 mm : Wafer / Double Flanged : 600 to 5000 mm : Double Flanged

Features

- Bubble tight shut off
- Less wear and tear of seal and longer life
- Self-cleaning and non-jamming seat design
- Low operating torque
- Rigid and sturdy design

Applications

- Ideal for throttling as well as isolation of Power plants
- Water supply and sewage
- Chemical and petrochemical plants
- Water works



SLUICE VALVE

These valves are available in non rising as well as rising spindle type suitable for clear water up to 45°C. These valves are designed with total compliance with applicable design and testing standards. All designs are validated for stress analysis. Sluice valves find wide application in water works, water/effluent/sewage/slurry.

Manufacturing Standards	: IS14846 / BS 5163
Size Range	: IS 14846 (32 to 1800 mm) : BS 5163 (50 to 600 mm)
Pressure Ratings	: PN1.0 & PN1.6 (For IS14846), PN 2.0, PN 2.4 (As per KBL design) : PN10 & PN16 (For BS5163)

Features

- Rigid and sturdy design
- Low pressure loss across the valve
- Available in Non Rising as well as in Rising Spindle Type
- Suitable for clear water up to 45°C and 5000 ppm turbidity, other fluids with maximum pressure / temperature conditions within the scope of IS:14846
- Long service life and leak-tightness even after thousands of open / close

Applications

- Water works
- Water / Effluent / Sewage treatment plants
- Fire Fighting
- Power



NRS Sluice Valve



RS (OS & Y) Sluice Valve

NON RETURN (REFLUX) VALVE

These valves are very useful in preventing back flow of water to the pump. These valves have minimum head loss and can be very competitive in terms of long service life. These valves are very useful in waterworks pipelines to reduce hammer effect. Non slam and quick closing characteristics have made this product a very demandable

Manufacturing Standard	: BS EN 12334 (BS 5153)/IS 5312 Part 1 (Single door) & IS 5321 Part 2 (Multi door)
Size Range	: 40 to 1500 mm (as per IS 5312) : 50 to 600 mm (as per BSEN 12334)
Pressure Rating	: PN 0.6, PN 1.0, PN 1.6 as per IS 5312 : PN 2.0, PN 2.4, PN 3.0 as per KBL Design : PN6, PN10, PN16 as per BSEN 12334

Features

- Swing check type design
- Rigid and sturdy design with minimum head loss
- Long service life and leak-tightness of high order
- Single door Non-Return Valves are being supplied with Dash-pot arrangements.

Applications

- Used in waterworks pipelines to reduce water hammer effect
- Preventing back flow of water to the pump

Features

- Non slam and quick closing characteristics
- Seat rings are fitted with special rivets and carefully machined to close tolerances

Applications

- Used in waterworks pipelines to reduce water hammer effect



Single Door NRV
(40 mm to 700 mm)



Multi Door NRV
(500 mm to 1500 mm)

DUAL PLATE CHECK VALVE

These valves are spring loaded check valves used in pipeline to prevent backflow of water. These are Suitable for handling clear water having turbidity up to 5000 ppm.

Manufacturing Standard	: API 594
Size Range	: 80 mm to 2600 mm
Pressure Ratings	: CL-150, CL 300, CL 600, CL 125, CL 250
End Connection	: Double Flanged / Wafer

Features

- Dual plate, torsion spring loaded, compact design
- Non - slam and quick closing
- Wafer / double flanged ends
- Installation in horizontal as well as vertical pipelines
- Superior hydro-dynamic performance

Applications

- Used in waterworks pipeline to reduce water hammer effect
- Prevents back flow of water
- Water supply / irrigation schemes
- Power plants / chemical and petrochemical plants



KINETIC AIR VALVE

Kinetic Air Valves are commonly used in air venting/air admission services in water pipelines. Performance of a kinetic air valve is severely affected by tampering the valve with an external mechanism. Tamper Proof Kinetic Air Valves provide longer service life and cost effective maintenance. With cast iron body, cover and cowl it has a pressure rating of PN 1.0 & 1.6

Manufacturing Standard : IS 14845 / AWWA C 512
 Size Range : 50 to 250 mm
 Pressure Ratings : PN1.0 & PN1.6 as per IS 14845
 PN 2.0, PN 2.4, PN 3.0 as per KBL Design

Features

- Double orifice type (small and large orifice), Kinetic type
- Non clogging and self sealing balls for trouble free operation
- Totally tamper proof kinetic air valve series available
- Suited for turbid or clear water, sewage; releasing air when water mains are being filled and admitting air while being emptied
- Cuts loss of water when water mains are full
- Releasing air accumulated under pressure in pipe during normal conditions

Applications

- Water supply lines / Distribution lines
- Clear water and sewage applications



IS:14845:Conventional Kinetic Air Valve



IS:14845:Tamper Proof Kinetic Air Valve



AWWA C 512:Tamper Proof Air Valve

FM APPROVED & UL LISTED GATE VALVE

KBL has emerged as India's first and only valve manufacturer to get the Certificate of Compliance from Factory Mutual and Underwriters Laboratories for its fire service water control valves, which covers Outside Screw and Yoke (OS & Y Type) and Non-Rising Stem (NRS Type) Gate Valves (Metal Seated)

Manufacturing Standard : IS 14846 (Generally)
 Size Range : 50 mm (2") to 250 mm (10") for FM approved
 50 mm (2") to 400 mm (16") for UL Listed
 Flanges drilling : BSEN 1092-2 PN 16 FF (Flat Faced)
 Pressure Class -
 FM valves : 50 mm to 250 mm - 250 PSI
 UL valves : 50 mm to 300 mm - 175PSI
 350 mm to 400 mm - 150 PSI

Features

- Metal to metal seating for longer service life
- Rigid and sturdy design with minimum loss of head across the valve
- Accurate interchangeability of components
- Accurate parallelism between side flanges
- Equal taper between wedge faces
- Perfect machining and press fitting of body and wedge rings
- Excellent finish on spindle threads resulting in low friction and smooth operation of valves
- Leak-tightness even after thousands of Open / Close cycles
- Unique spindle with integral forged collar design

Applications

- Fire service water control valves



OS & Y Type



NRS Type

CAST STEEL GATE VALVE

These valves are widely used in Oil and Gas and Steel Industries. These valves are designed with API 600 standard. Its rigid and sturdy design along with low pressure drop across the valve.

Manufacturing Standard	: API 600
Size Range	: 50 mm to 1200 mm : CL 150
	: 50 mm to 600 mm : CL 300
	: 50 mm to 600 mm : CL 600

Features

- Double flanged/ butt weld end, outside screw rising stem, yoke type bonnet
- Back seating bush arrangement to enable re-packing under pressure
- Rigid and sturdy design Low pressure loss across the valve
- Long service life and leak tightness

Applications

Naptha and naptha derivatives in oil refineries
Water, steam, air, gas and liquids having corrosive properties
Suitable for wide range of working conditions of pressure and temperature ratings
Steel Industry for BF, RM, Hot mill applications



CAST STEEL GLOBE VALVE

These valves are widely used in Oil and Gas and Steel Industries. These valves are designed with BS1873 standard.

Manufacturing Standard	: BS: 1873
Size Range	: 50 mm to 600 mm : CL 150
50 mm to 500 mm	: CL 300
50 mm to 350 mm	: CL 600

Features

- Double flanged/ butt weld end, outside screw rising stem, yoke type bonnet
- Back seating bush arrangement to enable repacking under pressure
- Rigid and sturdy design Long service life

Applications

- Naptha and naptha derivatives in oil refineries
- Water, steam, air, gas and liquids having corrosive properties
- Suitable for wide range of working conditions of pressures and temperature ratings
- Steel Industry for BF, RM, Hot mill applications



CAST STEEL CHECK VALVE

These valves are widely used in Oil and Gas and Steel Industries. These valves are designed with BS1868 standard. The valve construction is rigid and sturdy. design along with low Pressure drop across the valve.

Manufacturing Standard	: BS 1868
Size Range & Pressure Rating	: 50 mm to 800 mm : CL 150
	: 50 mm to 700 mm : CL 300
	: 50 mm to 600 mm : CL 600

Features

- Swing check type, Double flanged/butt weld end, bolted cover design
- Rigid and sturdy design with long service life

Applications

- Naptha and naptha derivatives in oil refineries
- Water, steam, air, gas and liquids having corrosive properties
- Suitable for wide range of working conditions of pressures and temperature ratings
- Steel Industry for BF, RM, Hot mill applications



STEAM TRAP DEVICE

A steam trap is an automatic device to trap or hold the steam until it is condensed and to allow condensate and air to pass as soon as they accumulate. 20-26% of steam leaving the boiler is lost via leaking conventional traps. With best steam trap available in the market and proactive steam trap, maintenance program can reduce loss to less than 1% only. However KBL Steam Trap Device is multi concept, high energy saving and efficient Steam Trap Device. It has zero live steam loss up to 3.5 Kg/cm² Principle used in KBL Steam Trap Device is Impulse cum Thermo dynamics.

Size : 15, 20 and 25 mm
Max Operating pressure : upto 31.64 bar (450 Psig)
Max Operating Temperature: 450°C

Features

- Internationally patented design for minimum loss of live steam
- Multi-concept, high energy saving, efficient impulse cum themodynamic steam trapping device
- Double chamber acting steam trap
- Low noise level
- Ends - Flanged / Socket / Screwed
- IBR Approved

Applications

- For every industry using steam lines



BALL VALVE

These valves are manufactured as per IS: 9890/EN ISO 17292 (BS 5351) specifications for wide spread usage in refineries, fertilizers and petro chemical industries. These are single piece/ three piece design, full bore/reduced bore. All compliance with applicable design and testing standards are maintained for smooth functioning of these valves.

Manufacturing Standard : EN ISO 17292 / (BS 5351)
Size Range : 15 to 300 mm
Pressure Rating : Class 150 & 300
Ends : Flanged / Screwed / Socket Weld

Features

- Single piece / three piece design, full bore / reduced bore
- Ends - Screwed / Socket weld / Flanged end

Applications

- Refineries
- Fertilizers & Petro Chemical
- Thermal Power Stations
- Process Industries



SINGLE PLATE WAFER CHECK (NON RETURN) VALVE

These valves are swing type disc useful in preventing backflow of water to the pump. These valves have minimum head loss and are compact in size. Also these valves are suitable for slam less quick closure application.

Manufacturing Standard : API : 6D
Size Range : 40 mm - 600 mm
Pressure Rating : CL 150, CL 300, PN10, PN16
Ends : Wafer type suitable for ANSI B 16.5 Class 150; BS-10, Table-D & E; IS- 1538, 4&6

Features

- The light weight disc provided with quick bon spring for slamless closure
- Innovative hinge pin holding design for maintenance free operation
- Special D-shaped high torsion spring coil ensure quick valve closure
- Flexible installation to suit pipe orientation
- Suitable for vertical as well as horizontal pipe line

Applications

- Used in water works pipelines to reduce water hammer effect
- Suitable for compact layout
- Suitable for water, waste water, chemicals



KNIFE EDGE GATE VALVE

Knife Edge Gate Valve is typical on-off/ shut off valve used for viscous fluids, power, semisolids, granular materials, fibrous materials to cut through the flow media. Knife Edge Gate Valves are used in varied industrial applications like Paper & Pulp industries, Mining, Coal Handling, Water treatment plants, etc.

Manufacturing Standard	: MSS SP 81
Size	: 50 mm - 600 mm
Pressure Rating	: PN 10
Ends	: Wafer Lugged suitable for IS-1538, 5, 4&6; BS 10, Table-D/E/F: IS 6392:ANSI B 16.1/16.5

Features

- Body is robust in construction to cater to the extreme demanding application
- Ensure higher flow capacity and minimal pressure drop
- Super ground and super finish on both sides of blade to assure positive shutoff
- The machined gland packing chamber enhances the Packing life and sealing property
- The equally distributed gland bolts provide uniform compression of packing

Applications

- Handling slurry, Pulp slurry, Powder, Ash, Sludge, Sewage and Waste Water, etc.
- Used in Pulp and Paper Industry, Cement and Aluminum and Carbon Black Industry, Sewage and Waste Water Treatment plant, Fertilizer and Sugar Industry, Coal Mining Industry, Iron and Steel Industry, Thermal Power Plants

RESILIENT SEATED GATE VALVE

These Valves are designed with built in hygienic safety in every detail. The wedge is fully vulcanized with EPDM rubber compound. Valves are Non rising type with gland free sealing.

Manufacturing Standard	: EN:1074-1&2; BS5163
Size Range	: 50 to 1000 mm
Pressure Rating	: PN 6, PN 10, PN 16
Ends	: Flanged. Flanges drilled to IS-1538,5, 4&6; BS 10, Table-D/E/F:IS 6392:ANSI B 16.1/16.5

Features

- Pocket less body design ensure minimal head loss across valve
- The wedge is fully vulcanized with EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape
- The sturdy wedge design
- Gas tight shut off
- The triple safety stem sealing system
- The high strength precision machined stem and low operating torque

Applications

- Used in water works pipelines and water plants
- Suitable for Full Open - Close operation
- Resilient Seated Gate Valve are used for reliable and safe supply of drinking water

SINGLE AIR VALVE

Single Float Air Valve are of Small orifice type or Large orifice type. Small orifice type valves are used for automatically releasing air which may accumulate under pressure in a section of pipeline during normal working condition. Large orifice type valves are used for automatically releasing / admitting air that may accumulate under pressure in a section of pipe line at the time of initial charging or draining of mains.

Manufacturing Standard	: IS 14845
Size	: 25 mm - 40 mm
Pressure Rating	: PN 1.0, PN 1.6
Ends : Threaded	: BSP / NPT 25 mm to 40 mm
	Flanged : for 40 mm

Features

- Non clogging and self sealing floats for trouble free operation
- Perfect guide for float movement without wobble during operation
- Maintenance free operation

Applications

- Used in water works pipelines and water plants
- Small orifice type valve is suitable for air venting and admitting in pipe during operation
- Large orifice type valves is suitable for automatically / admitting air at the time of initial charging or draining of mains.



DUO CENTRIC NON RETURNING VALVE

These Valves are offset disc type, useful in preventing reverse flow of water to the pump. These Valves have smooth and slam less closure characteristics.

Manufacturing Standard	: KBL Design
Size Range	: 250 mm - 1200 mm
Pressure Rating	: PN6, PN 10, PN 16, PN 20, PN 25, CL 150
Ends	: Flanged : IS-1538, 5, 4&6; BS 10, Table-D/E: IS 6392:ANSI B 16.1/16.5

Features

- The disc is installed in dual offset orientation for smooth travel of disc seal on body seat
- The nature of seat contact is peripheral and hence minimal slam during valve closure
- The offset design helps disc to open at minimum pressure difference
- Gas tight shut off
- The shafts are located in low friction bearings to assist quick jerk free closure of the valve

Applications

- Used in water works pipelines to reduce water hammer effect



TRIPLE DUTY VALVE

Triple duty valve is installed on the discharge side of hydronic pumping system which performs three functions (flow throttling, non-slam check valve and shut off valve) in single valve. To attain best efficiency, TDV should be sized based on the system design flow with least pressure drop. TDV is designed to reposition its shape to accommodate the discharge pipe of either in straight flow condition or with 90° elbow turn. Non-slam operation of disc due to spring loaded design which enhances smooth operations and better shut-off system.

Size Range	: 2 inch (50mm) to 14 inch (350mm)
Pressure Class	: CL 125 & CL 250
Ends	: Flanged - ANSI B16.1 CL 125 & CL 250

Features:

- Soft seated disc ensures a leak tight seal
- Outside screw and yoke operation
- Hand wheel to throttle the valve
- By-pass valve for fine balancing of pressures
- Valves are design with cast Iron body for ANSI class 125 and ductile iron for ANSI class 250
- In addition to triple functions, TDV can be used to prime the pump through by-pass valve, flow control by throttling the opening of valve disc and in-built spring avoids valve chatter.

Applications:

- HVAC Building and construction (Multi storied buildings/Shopping Complexes/Auditoriums/Indoor Stadium/ Airports/ Refrigeration System)
- Industry (Pharmaceuticals/ Bottling plants/ Chemical/ Food and Beverages)



TDV - In-line alignment



TDV 90° alignment

Foot Valve (Swing Type)

A Foot valve is generally placed at the end of the section pipe of Centrifugal pump to prevent the suction pipe from emptying while pump is at rest. This is a type of non return valve.

Manufacturing Standard	: 4038
Size	: 50 mm to 450 mm - Cast Iron
Size	: 500 mm and 600 mm - MS Fabricated
Pressure Rating	: PN 0.2

Features

- Rigid and sturdy design with minimum loss of head across the valve
- Perfectly flat seating surfaces for good sealing
- Strainer to prevent entry of foreign body to pump through suction pipe
- Long service life

Applications

- Used in suction side of pump to avoid flow reversal from pump to sump



SUCTION DIFFUSER

Suction diffusers are generally installed at the inlet of the pump with the pumping system to eliminate conventional accessories like strainers, elbow pipe and lengthy suction pipe at the suction side of the pump. It has got inbuilt features like strainer and baffles with minimal head across the device, which is beneficial to any system designer where the cost and system compactness is required.

Size Range	: 2 inch (50mm) to 24 inch (600mm) (16 Inch and above sizes are in fabricated construction)
Pressure Class	: CL 125 & CL 250
Ends	: Flanged -ANSI B16.1 CL 125 & CL 250

Features:

- No separate strainers and 90° bends required
- Variable inlet and outlet sizes to suit pipe fitting
- Removable SS-304 fine mesh serves as a filtering element
- Baffles straightens flow, reduce turbulence and guides flow to pumping unit
- Low room space as it can be directly bolted to the suction side of the pumping unit
- Designed with reduced delivery diameter, separate reducers are eliminated
- Drain arrangement for online maintenance as well as bosses for gauge at the inlet and outlet flanges
- Pressure range class 125 and class 250 with the size ranges from 2" to 24"

Applications:

- HVAC Building and construction (Multi storied buildings/Shopping Complexes/Auditoriums/Indoor Stadium/ Airports/ Refrigeration System)
- Industry (Pharmaceuticals/ Bottling plants/ Chemical/ Food and Beverages)



FORGED STEEL GATE, GLOBE & CHECK VALVE

These valves are widely used in Refineries and Petrochemical Industries, Fertilizer Plant, Thermal Power Plant and other process industries. These valves are designed for handling very high pressures. Its rigid and sturdy design along with low pressure across the valve make it a very formidable model in the entire product line.

Gate Valves	: API 602 / BSEN 15761 (BS 5352)
Globe Valves	: BSEN 15761 (BS 5352)
Check Valves	: BSEN 15761 (BS 5352)
Size Range	: 1/4" (8mm) to 2" (50mm)
Pressure Class	: Class 800
Ends	: Screwed / Socket Weld

Features (Gate Valve)

- Outside screw and yoke type bolted bonnet construction
- Rigid and sturdy construction
- Long Service life with leaktight
- Back seating surface provided integral to bonnet
- Ends-socket weld / screwed

Features (Globe Valve)

- Outside screw and yoke type bolted bonnet construction
- Rigid and sturdy construction
- Long Service life with leaktight
- Back seating surface provided integral to bonnet
- Ends-socket weld / screwed

Features (Check Valve)

- Piston lift check type incorporating self cushioning effect
- Streamlined flow passages designed to minimize pressure losses and erosion
- Guided piston assuring accurate return to seat ring to achieve leak-tightness

Applications

- Refineries and Petrochemical Industries
- Fertilizer Plant
- Thermal Power Plant
- Other Process Industries



FS Gate Valve



FS Globe Valve



FS Check Valve

COATINGS & SURFACE PROTECTION FOR KIRLOSKAR VALVES

Kirloskar Brothers Limited specialises in providing various types of protective coatings for valves such as Epoxy Painting, Corrocoating, Ebonite and EPDM Lining for drinking/ potable and sea water.

Kirloskar Corrocoat Range of High Performance Protective Coatings.

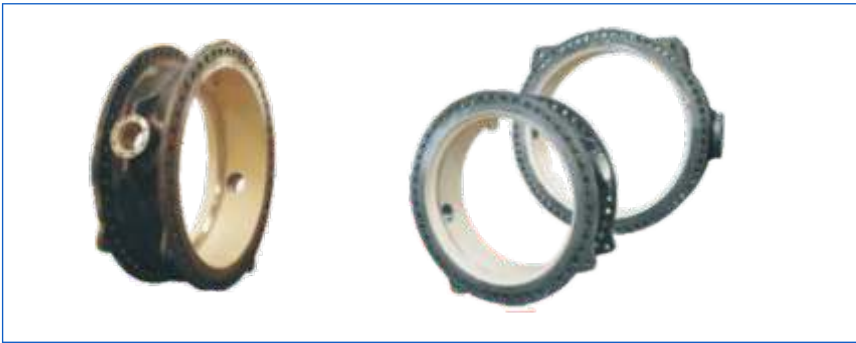
Kirloskar Brothers Limited in association with Corrocoat Ltd., U.K., brings you advanced technology glass flake filled coating systems to suit a wide range of application needs.

Plasmet ZF has been specially developed to satisfy the demand for a rust tolerant coating requiring minimal surface preparation yet offering long term resistance to corrosion.

Plasmet ZX is to be applied as a top coat over ZF and other epoxy based primers where decorative appearance and chemical resistance is necessary. It is used mainly in atmospheric conditions.

Plasmet ZE is a versatile, high performance glass flake filled epoxy system developed for application directly on to metal substrates or on to an inhibitive primer system such as ZF.

Plasmet ECP is a clear coating system for coating or priming masonry and concrete substrates. It is suitable for application to damp surfaces, which for operation reasons cannot be dried out prior to application. Polyglass High Performance Coating System. The polyglass range of materials was originally developed to create a spray-applied protective coating which offers all the performance advantages of a flake glass filled system, together which improved ease and speed of application.



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2400 mm manually operated Butterfly Valve,
Brihan Mumbai Municipal Corporation, Mumbai, India



2600 mm Butterfly Valve for National Thermal Power Corporation,
Sipat – I & Barh – I, India



2100 mm Turbine Inlet (Butterfly) Valve,
Massachusetts Water Resources Authority(MWRA)
Boston, USA



2200 mm Butterfly Valve for Sohar Sea Water Intake Pipeline Project, Oman



3000 mm Butterfly Valve Supplied to Tamil Nadu Electricity Board,
Tamil Nadu, India



200 mm Centric Butterfly Valve (Nickel Aluminium Bronze Disc)
with Pneumatic Actuator supplied to Mazagon Dock Limited, Mumbai, India

REFERENCES



Star Steel International L.L.C. - Sharjah, U.A.E.



2600 mm and 2200 mm Ebonite Lined Butterfly Valve Supplied to Udupi Thermal Power project, Karnataka, India



Kirloskar Butterfly, Sluice and Dual Plate Check Valves installed at Saurashtra pipeline Project, Gujarat, India



1500 mm Sluice Valve Supplied to Uttar Pradesh Jal Nigam, Uttar Pradesh, India



2100 mm Butterfly Valve for 2 X 2.45 MW Darna Power Project, Nasik, India



700 mm Gate Valve CL150
Customer : Essar Oil Refinery



1500 mm Multi Door Non Return Valves, PN16
Customer : Bangalore Water Supply & Sewerage Board

2600mm Dual Plate Check Valve(DPCV)

Kirloskar Brothers Limited has developed the largest DPCV in India, for HMWSSB - Hyderabad.

With increasing flow capacities sizing of the rising mains in water supply and irrigation projects, the selection of the type of Non Return (Check Valve) and the design of the same is becoming very vital.

Kirloskar Brothers Limited has developed and supplied 2500mm Dual Plate Check Valve PN20...the Largest Dual Plate Check Valve Manufactured in India for the Godavari Drinking Water Supply Scheme of the Hyderabad Metropolitan Water Supply & Sewage Board.

The project is conceived to supply 172 million gallons of water per day (MGD) to meet the drinking water scarcity in Hyderabad and surrounding municipalities.

Kirloskar Brothers Limited took this challenge as an opportunity and designed, manufactured, tested and supplied 2600mm Dual Plate Check Valves. Through this, KBL added another feather in its cap by developing the Largest Sual Plate Check Valve Manufactured in India.

this valve is engineered through advanced FEA and CFD Techniques. Special attention is given make this valve more energy efficient by minimizing to flow, pressure required to open the valve and turn reduction in pressure drop across the valve.



1800mm Non Rising Spindle Sluice Valve(NRSV)

Kirloskar Brothers Limited has developed the largest NRSV in India, for Larson & Toubro - KMC,Kolkatta.



3800 mm Butterfly Valve

The Largest Butterfly Valve in Thermal Power Plants in India

Super critical power plants have become a growing market due to India's ever increasing power demand. Sizing of the all equipment's is also increasing with increase in capacity of Power Plants.

Kirloskar Brothers Limited has developed and supplied 3800 mm Butterfly Valve the Largest Butterfly Valve in thermal power plants in India for the Cooling Water System Package for the Jaypee Nigrie Super Thermal Power Project.

The project comprises 2 x 660 MW Super-critical in Singrauli district of Madhya Pradesh. Through this project, KBL added another feather in its cap by developing largest ever motorized Butterfly Valve in thermal power plants in India.

Kirloskar Brothers Limited designed, manufactured, tested, supplied, erected and commissioned 3800 mm motorized Butterfly Valves.

This valve is engineered through advanced FEA and CFD techniques. Special attention is given make this valve more energy efficient by minimising obstruction to flow and in turn reduction in pressure drop across the valve.

