



for Brihan Mumbai Municipal Corporation



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Enriching Lives

KIRLOSKAR BROTHERS LIMITED

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ISO Document Number: DS/003/VALVES/July,2011.00-July,2011/12000

PRECISION PERFORMANCE



Enriching Lives

VALVE
CATALOGUE



KIRLOSKAR BROTHERS LIMITED



Features of Kirloskar Valves

- All designs validated for stress analysis
- Material grade used is of higher grade / standard / quality than minimum grade specified by IS
- Total compliance with Applicable Design & Testing Standards
- Well Proven, Verified & Validated Designs over 06 decades with In-house R & D facilities with various Design Software's
- Rigid & Sturdy Designs with Higher Life and Low Life Cycle Cost with Low maintenance
- Very Stringent Quality checks for Materials and Processes making Valves Highly Reliable.
- In-house Foundries with Highly Reliable Quality Castings with higher Grade of Castings (minimum FG260 Grade)
- ISO 9001, ISO 14001, BS OHSAS 1800 and CE Marking Certifications ensures Continual improvement in products, makes products environment friendly, ensures Safety & reliability aspects.

Our Plant

CAST IRON SLUICE VALVE (Non Rising Spindle And Rising Spindle)

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 cycles

Applications

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

RANGE: as per IS 14846 Size 32 to 1500mm
(Non Rising & Rising) as per BS 5163
SIZE: 50mm to 600mm (Non Rising)
Pressure Rating up to PN 1.6



BUTTERFLY VALVE

Features

- Available in Centric Wafer / Lugged design
- Single, double eccentric design
- 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 Power plants
- Water supply and sewage
- Chemical and petrochemical plants
- Water works
- Water / Effluent / Sewage treatment plants

RANGE: Conforming to IS:13095/BSEN 593
BS: 5155/AWWA C504
Size 65mm to 3600mm - ECCENTRIC type
Size 50mm to 600mm - CENTRIC type | Pressure up to PN1.6 / Class 250



CAST IRON REFULX (Non Return) VALVE (Swing Check Type)

Features

- Swing check type design
- Rigid and sturdy design with minimum head loss
- Long service life and leak-tightness of high order
- Suitable for clear water having turbidity upto 3000 ppm and temperature of 65° Centigrade (rubber to bronze / stainless steel seating) and upto 95° Centigrade (Bronze/ bronze, stainless steel / stainless steel seating)

Applications

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

RANGE: Conforming to IS: 5312 Part - 1
Size 40mm to 700mm
Pressure up to PN 1.6



MULTI DOOR REFLUX (Non return) VALVE (Swing check type)

Features

- Non slam and quick closing characteristics
- Seat rings are fitted with special rivets and carefully machined to close tolerances
- Suitable for clear water having turbidity up to 5000 ppm and temperature of 45 degrees Centigrade
- Rigid and sturdy design with minimum head loss across the valve
- Long service life

Applications

- Used in waterworks pipelines to reduce water hammer effect

RANGE: Conforming to IS: 5312 Part - 2
Size 500 mm to 1500 mm
Pressure up to PN1.6





DUAL PLATE CHECK VALVE

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

RANGE: Conforming to API: 594
Size 50 mm and 1500 mm
Pressure rating up to
PN16 / CL 300

CAST STEEL GLOBE VALVE

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

RANGE: Conforming to BS 1873
Class 150# sizes 1" (25mm) to 16" (400mm)
Class 300# sizes 7" (25mm) to 16" (400 mm)
Class 600# sizes 2" (50mm) to 12" (300mm)



Standard Kinetic Air Valve Tamper Proof Kinetic Air Valve

AIR VALVE

Features

- Double orifice type (small and large orifice), kinetic type
- Single air valve
- 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

RANGE: Conforming to IS:
14845 / AWWA C512
Size 50 to 250 mm – Double ORIFICE type
Size 25mm and 40mm – Single air valve
Ratings PN 1.0 and PN 1.6



Air Valve As Per AWWA Design

CAST STEEL CHECK VALVE

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

RANGE: Conforming to BS 1868
Class 150# sizes 1" (25mm) to 28" (700mm)
Class 300# sizes 2 1/2" (65mm) to 28" (700 mm)
Class 600# sizes 4" (100mm) to 18" (450mm)



FOOT VALVE (Swing Type)

Features

- Rigid and sturdy design with minimum loss of head across the valve
- Perfectly flat seating surfaces for good sealing
- Preventing 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 with monobloc pumps

RANGE: Conforming to IS: 4038
Size 50 mm to 450 mm – Cast Iron
Size 500 mm and 600 mm – Fabricated
Pressure Rating PN 0.2



FORGED STEEL GATE VALVE

Features

- Outside screw and yoke type bolted bonnet construction
- Rigid and sturdy design
- Long service life with leak tightness
- Back seating surfaces provided integral to bonnet
- Ends - socket weldable / screwed

Applications

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

Conforming to API 602/BSEN 15761 (BS:5352)
standards
RANGE: Size 1/4" (8mm) to 2" (50mm)
Pressure Class 800#



Forged Steel Gate Valve

CAST STEEL GATE VALVE

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
- 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

RANGE: Conforming to API 600
Class 150# sizes 2" (50mm) to 30" (750mm)
Class 300# sizes 2" (50mm) to 24" (600mm)
Class 600# sizes 2" (50mm) to 14" (350 mm)



FORGED STEEL GLOBE VALVE

Features

- Outside screw and yoke type bolted bonnet construction
- Rigid and sturdy design
- Long service life with leak tightness
- Back seating surfaces provided integral to bonnet
- Ends - socket weldable / screwed

Applications

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

Conforming to
BSEN 15761 (BS:5352)
RANGE: Size 1/4" (8mm) to 2" (50mm)
Pressure Class 800#



Forged Steel Globe Valve

Regional offices



Forged Steel Check Valve

FORGED STEEL CHECK VALVE

Features

- 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

Manufactured to
BSEN 15761 (BS:5352)
RANGE: Sizes 1/4" (8mm) to 2" (50mm)
Pressure Class 800#



Ball Valve

BALL VALVE

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

Manufactured to
IS:9890 / EN ISO 17292 / (BS 5351)
RANGE: Sizes 15 mm to 300 mm
Pressure Class 150# and 300#



Steam Trap Device

ENERGY EFFICIENT STEAM TRAP DEVICE

Features

- Internationally patented design for minimum loss of live steam
- Multi-concept, high energy saving, efficient impulse cum themodynamic steam trapping device
- Ends – Flanged / Screwed

Applications

- For every industry using steam lines

RANGE: Size 15, 20 and 25 mm
Max Operating pressure upto 31.64 bar (450 Psig)
Max Operating Temperature up to 450 degree centigrade (842 degree Fahrenheit)

***NOTE: "Higher pressure ratings and wide range of material of constructions available on request"**

As we are constantly endeavoring to improve the performance of our products / equipments, we reserve the right to make alteration from time to time and as such our products / equipments may differ from that detailed in this publication. For latest information you may get in touch with our Regional Sales office.

Mission

Kirloskar Brothers limited shall be amongst the first five pump companies in the world by the year 2015 and become the preferred choice of customers as well employees

Vision

Kirloskar Brothers Limited shall be know globally as reliable innovative and cost effective solution provider in hydraulic machines and systems and in water business

Values

- Developing and working with mutual trust
- Building and nurturing teamwork
- Assessing and enhancing employee satisfaction level.
- Giving the best to customer and giving value for the money
- Enhancing relation with stakeholders
- Maintaining fairness in dealing with customers and suppliers

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