PRECISION PERFORMANCE

VALVE CATALOGUE
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.

### Features of Kirloskar Valves

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

<table>
<thead>
<tr>
<th>Features</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rigid and sturdy design</td>
<td>Water works</td>
</tr>
<tr>
<td>Low pressure loss across the valve</td>
<td>Water / Effluent / Sewage treatment plants</td>
</tr>
<tr>
<td>Available in Non Rising as well as in Rising Spindle Type</td>
<td>Firefighting</td>
</tr>
<tr>
<td>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</td>
<td>Power</td>
</tr>
<tr>
<td>Long service life and leak-tightness even after thousands of open / close cycles</td>
<td></td>
</tr>
</tbody>
</table>

**BUTTERFLY VALVE**

<table>
<thead>
<tr>
<th>Features</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available in Centric Wafer / Lugged design</td>
<td>Ideal for throttling as well as isolation Power plants</td>
</tr>
<tr>
<td>Single, double eccentric design</td>
<td>Water supply and sewage</td>
</tr>
<tr>
<td>Bubble tight shut off</td>
<td>Chemical and petrochemical plants</td>
</tr>
<tr>
<td>Less wear and tear of seal and longer life</td>
<td>Water works</td>
</tr>
<tr>
<td>Self-cleaning and non-jamming seat design</td>
<td>Water / Effluent / Sewage treatment plants</td>
</tr>
<tr>
<td>Low operating torque</td>
<td></td>
</tr>
<tr>
<td>Rigid and sturdy design</td>
<td></td>
</tr>
</tbody>
</table>

**CAST IRON REFUX (Non Return) VALVE** (Swing Check Type)

<table>
<thead>
<tr>
<th>Features</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swing check type design</td>
<td>Used in waterworks pipelines to reduce water hammer effect</td>
</tr>
<tr>
<td>Rigid and sturdy design with minimum head loss</td>
<td>Preventing back flow of water to the pump</td>
</tr>
<tr>
<td>Long service life and leak-tightness of high order</td>
<td></td>
</tr>
<tr>
<td>Suitable for clear water having turbidity upto 3000 ppm and temperature of 60°C Centigrade (rubber to bronze / stainless steel seating) and upto 95°C Centigrade (Bronze/ bronze, stainless steel / stainless steel seating</td>
<td></td>
</tr>
</tbody>
</table>

**MULTI DOOR REFUX (Non return) VALVE (Swing check type)**

<table>
<thead>
<tr>
<th>Features</th>
<th>Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non slam and quick closing characteristics</td>
<td>Used in waterworks pipelines to reduce water hammer effect</td>
</tr>
<tr>
<td>Seat rings are fitted with special rivets and carefully machined to close tolerances</td>
<td></td>
</tr>
<tr>
<td>Suitable for clear water having turbidity up to 5000 ppm and temperature of 45 degrees Centigrade</td>
<td></td>
</tr>
<tr>
<td>Rigid and sturdy design with minimum head loss across the valve</td>
<td></td>
</tr>
<tr>
<td>Long service life</td>
<td></td>
</tr>
</tbody>
</table>
## 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

## CAST Steel Globe Valve
### 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
- 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

## 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

## 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
- Suits 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

## 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

## CAST Steel Gate Valve
### Features
- Double flanged / butt weld end, outside crew rising stem, yoke type bonnet
- Back seating bush arrangement to enable re-packing under pressure
- 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

## 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

## CAST Steel Globe Valve
### Features
- 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)

### Applications
- Conforming to BS 1873
- Class 150# sizes 1” (25mm) to16” (400mm)
- Class 300# sizes 7” (25mm) to 16” (400mm)
- Class 600# sizes 2” (50mm) to 12” (300mm)

## FORGED Steel Globe Valve
### Features
- Conforming to API 594
- Size 50 mm to 300 mm

### Applications
- Waterworks / irrigation schemes
- Power plants / chemical and petrochemical plants

## CAST Steel Globe Valve
### Features
- Conforming to BS 15761 (BS:5352)
- Size 1/4” (8mm) to 2” (50mm)

### Applications
- Conforming to API 602/BSEN 15761 (BS:5352) standards
- Pressure Class 800#
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 to achieve leak-tightness

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

**Manufactured to**
- BS EN 15761 (BS 5353)
- **Range:** Sizes 3/8” (8mm) to 2” (50mm)
- Pressure Class 150# and 300#

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BALL VALVE

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

**Applications**
- Oil, Gas, Water, Chemical, Food, Paper and other industries

**Manufactured to**
- IS: 9890 / EN ISO 15248 / BS 5353
- **Range:** Sizes 15 mm to 300 mm
- Pressure Class 150# and 300#

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ENERGY EFFICIENT STEAM TRAP DEVICE

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

**Applications**
- For every industry using steam lines

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

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

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

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