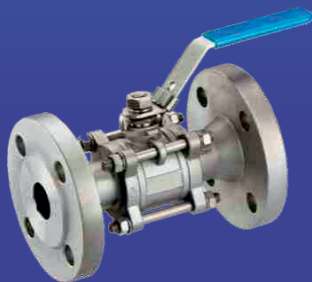


VALVES



MARSHALLING THE POWER OF TECHNOLOGY TO PROVIDE COST EFFECTIVE PUMPING SOLUTIONS

Genvik is one of the emerging leaders in the world with the capability and the resources to provide pumping solutions that are not only cost effective but contributes to better productivity. As a technology oriented company Genvik has made major investments to stay on the cutting edge of pump manufacture. While the focus is on pump sector, Genvik has also developed pumping systems for diverse applications.

Genvik pumps are manufactured at ISO 9001&14001 facilities, equipped with state of art testing equipments and highly sophisticated machinery. Design and manufacture are carried out under digital environment for zero defect product turn out.

Backed by strong customer service and a willingness to listen to customer perceptions and needs, Genvik is a name to reckon with in the world of pumps.

VISION

To always stay on the cutting edge of pump and other accessories manufacture, with special emphasis on industrial pumps, to ensure that customers across the globe enjoy the benefits of our efforts to provide world class products.

MISSION

By embracing technology coupled with innovative thinking, we will meet customer expectations for high performance products with affordability as a key factor. We seek to do it by staying open to the latest developments in the field, by being proactive and optimistic and through teamwork, resourcefulness and commitment.

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CAST STEEL VALVES

GATE VALVE, GLOBE VALVE, CHECK VALVE



GATE VALVES



GLOBE VALVES



CHECK VALVES

APPLICATION

Oil & Gas | Petrochemicals | Power plants | Chemical & Fertilizers | Sugar & distillation | Metal & Mining | Paper & Pulp
Water | Textile & Tannery | Food Pharmaceuticals | General Industries

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 24 (Gate Valve), 2" to 24 (Globe Valve), 2" to 24 (Check Valve)
- Pressure Rating - ANSI class 150 # to 600#
- Pressure / Temperature rating - As per ASME B 16.34
- End Connection - Flanged / welded
- Material of construction - Steel, others available on request
- Type - Hand wheel / Gear box / Electrical / Pneumatic Actuator

STANDARDS

Description	Gate Valve	Globe Valve	Check Valve
Design	API 600	BS 1873	BS 1868
Face to Face	ASME B 16.10		
Flange Standard	ANSI B 16.5		
Butt Welding End Conformity	ANSI B 16.25		
Testing Standard Conformity	API 598		

FEATURES

GATE VALVE

- Hardened seat minimize on line erosion & provide maximum service life.
- Body guided wedge ensures positive seating and eliminates side thrust & flexible wedge ensures tight shut-off.
- Graphite packing ring, top & bottom rings are braided graphite. It ensures effective steam sealing.
- Various types of material of construction available depends on customer applications.

GLOBE VALVE

- Self-aligning & rotating disc ensure tight shut-off
- Hardened seat minimize on line erosion & provide maximum service life.
- Graphite packing ring, top & bottom rings are braided graphite. It ensures effective stem sealing.

CHECK VALVE

- Self aligning free floating disc ensures perfect sealing.
- Hardened seat minimize on line erosion & provide maximum service life.

FORGED STEEL

GATE VALVE, GLOBE VALVE, CHECK VALVE



GATE VALVES



GLOBE VALVES



CHECK VALVES

APPLICATION

Oil & Gas, Petrochemicals, Power Plants, Chemical & Fertilizers Sugar & distillation, Metal & mining, Paper & Pulp, Water & Waste Water Textile & Tannery, Food, Pharmaceuticals, Process Industries.

PRODUCT RANGE & SPECIFICATION

- Size - 15 mm to 50 mm
- Rating - ANSI-800#, 1500#, 2500#, Class 150 # to 600#-Welded Flange
- Pressure /Temperature Rating - As per ASME B 16.34

STANDARD

Description	Gate Valve	Globe Valve	Check Valve
Design	API 602 / ISO 15761		
End Standard	Socket End	ANSI B 16.11	
	Screwed End	(NPT) to ANSI / ASME B1.20.1	
	Welded Flange	ANSI B 16.5	
	Butt Welded	ANSI B 16.25	
Testing Standard	API 598		

FEATURES

- Ground finish stem. Self aligned two piece gland.
- Back seating feature facilitates re-packing of the stuffing box on line with the valve in fully open position.
- Leak proof Body -Bonnet joint with spiral wound gasket.
- Piston type body disc in Check valves makes perfect alignment of Disc & Seat ring.

TRUNNION MOUNTED

BALL VALVE



BALL VALVE



BALL VALVE

APPLICATION

Oil & Gas, Paper & Pulp, Pharma, Chemicals, Petro Chemical, General Industries, Process Industries.

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 12"
- Pressure Rating - 150 # to 600#
- End Connection - Flanged / Welded
- Operation - Manual(Hand-lever/Handle/GearBox)/ Pneumatic/Electrical (Optional)
- Construction - Two Piece & Three Piece, Full Bore.
- Material of construction - Steel, others available on request

STANDARD

Description	Ball Valve
Design	API 6D, ASME B 16.34, ISO 17292
Face to Face	ASME B 16.10, API 6D
Flange Standard Conformity	ASME B 16.5
Testing	API 6D, API 598, EN 12266

FEATURES

- Fire Safe design
- Standard double block and bleed feature available and optional
- double isolation and bleed
- Blow out proof stem ensures that the stem should not be blown out of the valve
- Primary soft and secondary metal seat with external sealant injection. Self relieving seats
- Optional secondary sealant injection (6" & above)
- Spring assisted seat rings ensures a positive force always acting on ball even at no pressure.
- Piston action seats (single piston is standard, double piston is optional)
- Antistatic design

FLOATING BALL VALVE

2 - PIECE



FLOATING BALL VALVE

APPLICATION

Pharma, Power, Clean Water, Raw Water, Sewage, Slurry, Waste Water, Viscous liquids etc., General Industries, Process industries

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 8"
- Pressure Rating - 150#/300#
- Bore - Full Bore & Reduced Bore
- End Connection - Flanged end
- Material of construction - Steel, Others available on request
- Operation - Manual (Hand-lever/Handle/Gearbox based on size), Pneumatic/Electrical (Optional)

STANDARD

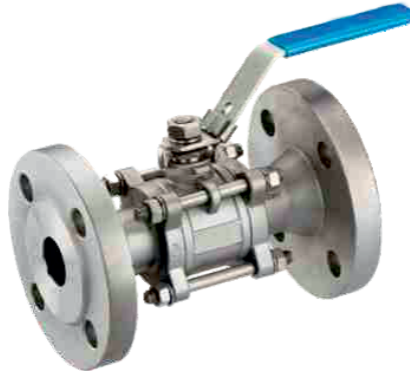
Description	Floating Ball Valve
Design	ISO 17292/ API 6 D
Face to Face	ASME B 16.10, API 6D
Flange Standard Conformity	ASME B 16.5
Testing	API 6D, API 598, EN 12266

FEATURES

- Precisely machined mirror finish Solid SS ball
- Inline replacement of stem packing
- Fire Safe design
- Pressure relief feature
- Blow out proof stem stem, live load packing, low emission seals
- Drain and Stem sealant injection features are optional.
- Anti static design

FLOATING BALL VALVE

3 - PIECE



FLOATING BALL VALVE

APPLICATION

Pharma, Power, Clean Water, Raw Water, Sewage, Slurry, Waste Water, Viscous liquids etc., General Industries, Process Industries

PRODUCT RANGE & SPECIFICATION

- Size – 1/4” to 8”
- Pressure Rating – 150#/300#/800#
- Bore -Full Bore & Reduced Bore
- End Connection – Flanged end
- Material of construction – Steel, Others available on request
- Operation – Manual(Hand-lever/Handle/Gearbox based on size), Pneumatic/Electrical (Optional)

STANDARD

Description		Floating Ball Valve
Design		ISO 17292/ API 6 D
End Standard	Socket Weld Ends	ASME B 16.11
	Screwed (BSPT)	ISO 7-1 Screwed (NPT) – ASME B1.20.1
	Flanged	ASME B 16.5
Face to Face		ASME B 16.10 / API 6D
Pressure Test		EN 12266/ API 598
Fire Test		API 607/ ISO 10497

FEATURES

- Precisely machined mirror finish Solid SS ball
- Inline replacement of stem packing
- Fire Safe design
- Pressure relief feature
- Blow out proof stem stem, live load packing, low emission seals
- Drain and Stem sealant injection features are optional.
- Anti static design
- Fire Safe tested and Certified by FCRI

KNIFE EDGE GATE VALVE



KNIFE EDGE GATE VALVE

APPLICATION

Water and Waste water, Abrasive slurries, Chemical Slurries, High Viscous media.

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 36"
- Pressure Rating - PN10 / PN 16 / ANSI 150#
- Type - Uni Directional & Bi Directional
- End Connection - Flanged, Wafer (lugged / Semi Lugged)
- Operation - Lever Operated, Gear Operated, Chain wheel & Pneumatic (Optional)
- Material of construction - Iron, Steel

STANDARD

Description	Knife Edge Gate Valve
Design	MSS SP 81
Face to Face	DIN PN 10 and ANSI B16.5 Up to 600mm
	Above 600mm ANSI B16.47
Flange Standard Conformity	MSS SP 81 / ASME B 16.5 / ASME B 16.47
Testing	MSS SP 81

FEATURES

- The body is made of a single casting with no welding on pressure containing parts, to make it even more rugged.
- Full port design for greater flow capacity and minimal pressure drop
- Resilient seat are locked into the valve body and provide guiding for the gate
- Replaceable wire reinforced elastomer perimeter seal provides bidirectional zero leakage shutoff.

BUTTERFLY VALVES



BUTTERFLY VALVES



BUTTERFLY VALVES

APPLICATION

HVAC, Fire Fighting, Construction, Water & Waste Water Treatment, Paper & Pulp Industry, Sugar & Chemical Industry
 Food & Pharmaceutical Industry Cement Industry, Metal & Mining, General Industries.

PRODUCT RANGE & SPECIFICATION

- Size - 1 ½" - 24"
- Pressure Rating - PN 10 / PN 16
- End Connection - Wafer & Semi lugged
- Operation - Hand Lever / Gear / Electrical / Pneumatic
- Material of construction - Cast Iron, Ductile Iron

STANDARD

Description	Knife Edge Gate Valve
Design	BS EN 593 / API 609 / IS 13095
Face to Face	ISO 5752
Top Flange	ISO 5211
Testing	API 598 / IS 13095
Suitable for Flanges drilled to	BS EN/ANSI /DIN/IS

FEATURES

- Positive engagement between stem and disc without any pins. This eliminates the possibilities of electrolyte corrosion.
- Corrosion resistant, long life non toxic fusion bonded epoxy coating
- Food Graded EPDM can be supplied for drinking water application
- Seat can be available on replaceable/bonded type based on customer requirement
- Plain Bearings at both ends reduces friction and operating torque, ensures smooth operations.
- Optional Rilson coating available on request
- BIS Certified ISI Marking for valves of sizes upto 250mm

METAL SEATED GATE VALVE



METAL SEATED GATE VALVE

APPLICATION

Water, Irrigation, Sewage, General Industries

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 12"
- Pressure Rating - PN 10 / PN 16
- End Connection - Flanged
- Material of construction - Cast Iron & Ductile Iron

STANDARD

Description	Metal Seated Gate Valve
Design	IS 14846
Face to Face	IS 14846
Flange Standard Conformity	IS 1538
Testing	EN 12266-1 / IS 14846

FEATURES

- Fully guided wedge ensures proper alignment throughout travel and easy operation irrespective of pressure variation
- Tapered wedge ensures excellent shut-off in long run
- Low emission multiple stem packing
- Tight shutoff with minimum thrust.
- Overlaid seat rings and wedge, less wear & tear and corrosion resistant
- Bypass arrangement/Stem cap/Drain Plug (available on request)
- BIS Certified ISI Marking on valves sizes upto 100mm.

RESILIENT SEATED GATE VALVE



RESILIENT SEATED GATE VALVE

APPLICATION

Drinking Water, Irrigation Systems, Waste Water, General Industries.

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 20"
- Pressure Rating - PN 10 / PN 16
- End Connection - Flanged
- Operation - Hand Wheel / Gear Box / Electrical / Pneumatic
- Material of construction - Cast Iron, Ductile Iron (GGG40) (optional GGG50 available)

STANDARD

Description	Metal Seated Gate Valve
Design	BS 5163, EN 1074-1, EN 1074 -2, ISO5752
Face to Face	EN558 Series-3/ISO5752, ASME B 16.10
Flange Standard Conformity	EN1538/EN 1092 - 2
Testing	EN 12266 - 1, BS 6756 - 1

FEATURES

- 100 % Leak proof
- Corrosion resistant fusion bonded Epoxy Coated body and bonnet.
- Ductile Iron Wedge with EPDM encapsulation
- Fully guided wedge ensures proper alignment throughout travel and easy operation irrespective of pressure variation
- Stem O-rings can be replaced under pressure without removing the valve from pipeline even the valve is fully open / closed position.
- Suitable for underground installations
- Bypass arrangement available on request
- Endurance and Performance tested at FCRI

AIR VALVE



AIR VALVE

APPLICATION

Water Application, General Industries, Agriculture, General Industries

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 12"
- Pressure Rating - PN 10 / PN 16 / PN 25
- End Connection - Flanged
- Temperature - Up to 80oC
- Material of construction - Iron, others available on request

STANDARD

Description	Air Valve
Design	IS 14845, AWWA C 512 - 07, EN 1074 - 1 & 4
Flange Standard Conformity	IS 1538/ASME B 16.5 (150#)/ EN 1092-2
Testing	EN 12266-1

FEATURES

- Very efficient triple function (Air release, Air intake and Air release under pressure)
- Corrosion resistant fusion bonded Epoxy Coated body and bonnet
- Specially designed TAMPER PROOF cover ensures free, all-round (360 Degrees) air movement
- Floats are designed to optimum specific gravity ensuring quick response to level changes
- Replaceable seat and seals
- Can be supplied along with isolation valve.
- Provision provided for drain plug
- Optional Stainless Steel Float & Cage design ensuring perfectly centered float
- Endurance and Performance tested at FCRI

WAFER TYPE CHECK VALVE



WAFER TYPE CHECK VALVE

APPLICATION

Metal & Mining, Water & Waste Water, Process Industries, Chemical & Fertilizer, Pharmaceutical.

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 12"
- Pressure Rating - PN 10 / PN 16
- End Connection - Flanged, Wafer
- Material of construction - Iron & Steel

STANDARD

Description	Air Valve
Design	API 6D / ANSI B16.34
Face to Face	API 6D
Flange Standard Conformity	ANSI / DIN / BS 10
Testing	API 598

FEATURES

- Self Aligning free floating disc ensures perfect sealing
- Full bore ensures low pressure drop
- Corrosion resistant hardened seat

Y STRAINER



Y STRAINER

APPLICATION

Water , Irrigation, Cement Plant, Chemical Industries, Pharmaceutical Industries, Power Plants, Sugar Industries, Pulp & Paper Industry, Fertilizer Plant & Allied Industries, General Industries.

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 12"
- Pressure Rating - PN 10 / PN 16
- End Connection - Flanged
- Material of construction - Cast Iron/Ductile Iron

STANDARD

Description	Y STRAINER
Design	Manufacturer Standard
Face to Face	ANSI / BS
Flange Standard Conformity	BS10 / EN / ANSI Testing - EN 12266 - 1

FEATURES

- Compact Design
- Blow-off plug for screen maintenance
- 1/32 " to 1/2" perforated stainless steel screen
- 40, 60, 80, 100 fine mesh stainless steel screens

BALL CHECK VALVE



BALL CHECK VALVE

APPLICATION

Clean Water, Raw water, Sewage, Slurry, Waste Water, Viscous liquids etc

PRODUCT RANGE & SPECIFICATION

- Size - 2" to 8"
- Pressure Rating - PN 10 / PN 16
- End Connection - Flanged
- Material of construction - Cast Iron & Ductile Iron

STANDARD

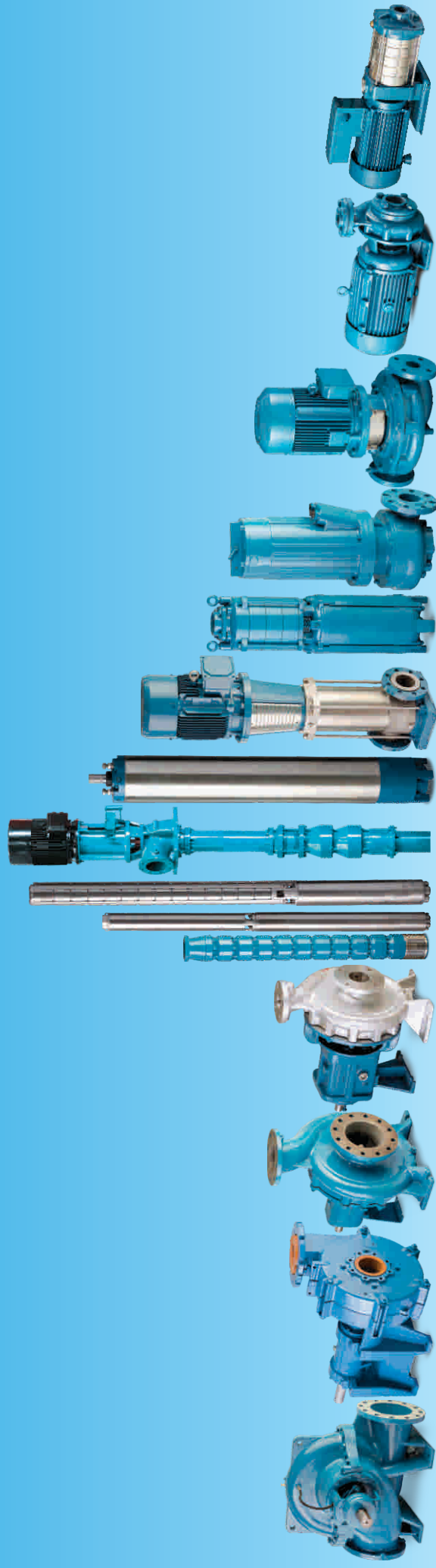
Description	Y STRAINER
Design	EN 13445, EN 12334
Face to Face	IS 5312 / DIN 3202
Flange Standard Conformity	BS10
Testing	IS 5312

FEATURES

- Lowest possible pressure drop across the valves
- Lower head loss-high discharge, reduced pumping time
- Valve can be mounted horizontal as well as vertical

YOU ARE LOOKING AT WHAT THE FUTURE IS COMING TO!

Genvik presents a stable of products for a new generation of customers and applications





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