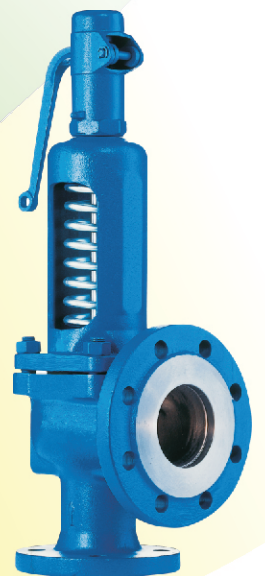
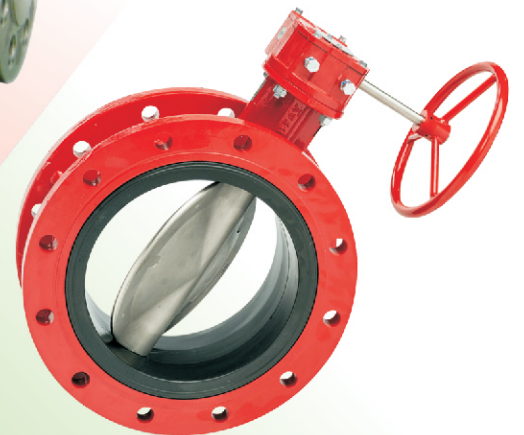
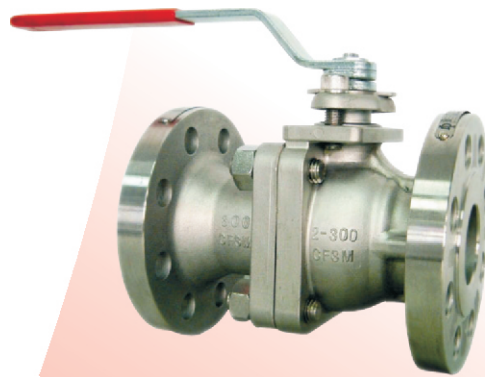




PLANET VALVES





About Us

PLANET VALVES is a company offering solutions in line with the industry standards. We supply our products across industry such as Oil & Gas, Pharmaceuticals, Petrochemicals, Power, Steel, and other process industries. Our team offers the most up-to-date, sustainable manufacturing solutions. We source raw materials from tried and trusted suppliers so that our final product meets the desired result. We are trained to have a positive attitude, guided by proven management principles to gain knowledge and implement the same in our progressive business. We believe in human relationships and care about people, their business and safety.

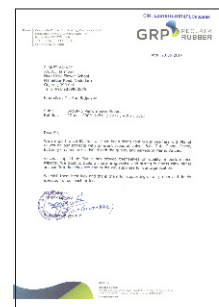
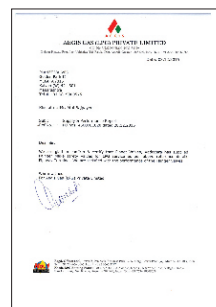
We believe Planet Valves will become one of the most trustworthy brand name in valve design, manufacturing and supply. We shall keep upgrading ourselves by learning from all our business partners, clients, suppliers, employees and society as a whole. We are inspired by good valve manufacturing companies to improve ourselves and achieve respect for our brand and people.

Vision

To be a good company delivering preferred solutions and achieve sustainable growth.

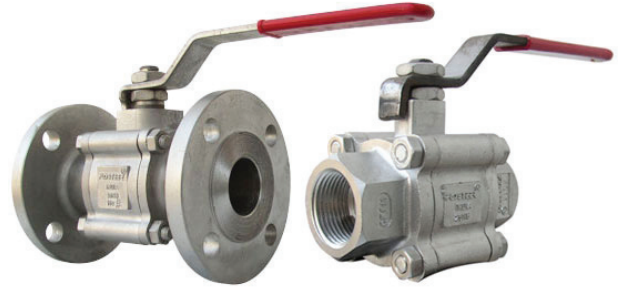
Mission

To create a corporation which makes profits, adds value to itself, to the lives of our people, our society and to our country.



Floating Ball Valve

A floating ball valve is a valve with its ball floating (not fixed by a trunnion) inside the valve body; it drifts toward to the downstream side and tightly pushes against the seat under the medium pressure to ensure a reliable seal. Floating ball valves are mainly used in low to mid-level pressure applications.



Trunnion Ball Valve

Trunnion ball valve have a mechanical means of anchoring the ball at the top and the bottom, this design is the standard design applied on larger and higher pressure valves. Sealing is achieved by spring loaded piston type seats which shut off flow when line pressure acts on the upstream seat.

Application – Isolation and shut down.

Features:

1. Blow Out Proof Stem
2. Antistatic Device
3. Reduce Bore, Full Bore
4. Locking Device
5. Available with Actuator Mounting Pad

Materials Body:

A105, A 216 Gr. WCB, CF8 (SS304), CF8M(SS 316), NAB (Nickle Aluminium Bronze – AB2) Hast Alloy, Duplex , LCB etc
 Seat : PTFE , RPTFE, GFT, Viton, Devlon, Peek, etc

Design:

BS-5351/EN-17292/ASME-B-16.34/ API 6D

F/F:

BS-5351/ASME-B-16.10

Testing:

BS-6755 Part-1/API-598/EN-12266

Fire Safe: API-607

End Connections:

Flange ends-B16.5, EN1092-1
 Screwed & Socket-B16.11
 Buttweld-B16.25

Product Range

150#		2" - 12"
300#		2" - 16"
600#		2" - 16"

Gate Valve

Gate valves are ideal for bi-directional flow and tight shutoff. Concentrated flow across the seats of a partially opened gate valve risks possible seat damage, therefore throttling is not recommended.

Due to the flow characteristics of the wedge-to-seat design, gate valves should be operated in the full-open or full-closed position. Gate valves are utilized in applications where minimum pressure drop is desired.

Features:

1. OS & Y type construction
2. Flexible/Solid wedge fully guided
3. Full Port design & Anti Blowout proof stem
4. Rising stem/Non Rising stem
5. All types of trims as per API 600
6. Encapsulated gasket design for effective sealing.

Design:

API 600 /602/ISO 15761/ASME-B-16.34/BS 1414

F/F: ASME-B-16.10

Testing:

API 598/EN-12266 - I

End Connections:

Flange ends-B16.5, Screwed & Socket-B16.11, Buttweld-B16.25

Materials Body:

Body : A105, A 216 Gr. WCB, CF8 (SS304), CF8M(SS 316), LCB etc.

Trim : 13% Cr. Steel Facing, Stellite Trim, SS Trim etc.

Service Application:

1. Gate valves are used normally for on - off service and not recommended for throttling service.
2. Horizontal installation with stem in vertical position.
3. Seal welded seats recommended for turbulent flow or thermal cycling.
4. Gear recommended after torque exceeds 350Nm.



Product Range

150#		2'' - 52''
300#		2'' - 48''
600#		2'' - 40''

Globe Valve

Globe valves are ideal for unidirectional, controlled flow. The flow characteristics of a globe valve are repeatable, consistent and easy to control at various open positions, which makes the design ideal for general flow regulation.

If line pressure drops below 20%, capitation, vibration and noise may occur, resulting in hardware damage.

Features:

1. OS & Y Type construction
1. Rising and Non Rising stem
2. Hyperbolic disc on request
3. Vertical/Horizontal Mounting
4. Anti Blowout proof Stem
5. Yoke integral with bonnet

Design:

BS-1873/ASME-B-16.34

F/F : ASME-B-16.10

Testing :

BS-6755 Part-1/EN-12266/API-598

End Connections:

Flange ends-B16.5, Screwed & Socket-B16.1, Buttweld-B16.25

Materials Body :

A105, A 216 Gr. WCB, CF8 (SS304), CF8M(SS 316), LCB etc.

Trim : 13% Cr. Steel Facing, Stellite Trim, SS Trim etc.



Service Application:

1. Globe Valves are normally used with flow and pressure under the disc.
2. Globe valves are basically used for throttling services, prolonged opening of less than stipulated (approx. 10 %) not recommended.
3. Seal welded seats recommended for turbulent flow or thermal cycling.

Product Range

150#		2" - 16"
300#		2" - 12"
600#		2" - 12"

Swing Check Valves

Swing check valves yield minimal restriction to low-velocity environments and are ideal for preventing backflow in unidirectional flow applications in horizontal flow piping.

Features:

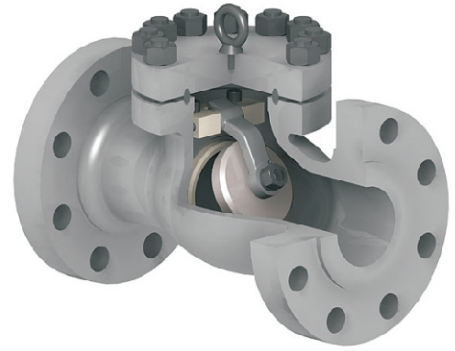
1. Full bore and Pigging design
2. Soft as well Metal seat
3. Lever and Counter Weight arrangement
4. Disc design as per gravitational acceleration.

Materials Body:

A105, A 216 Gr. WCB, CF8 (SS304), CF8M(SS 316), LCB etc.
Trim : 13% Cr. Steel Facing, Stellite Trim, SS Trim etc.

Service Application:

1. These unidirectional valves are suitable for moderate velocity services.
2. All installations involve flow and pressure under the disc
3. Slamming of check valves can be avoided with suitable arrangements for higher size.



Design:

BS-1868/ASME-B-16.34/API 6D/API 594

F/F: ASME-B-16.10

Testing :

BS-6755 Part -1/API-598/EN-12266-I

End Connections:

Flange ends-B16.5, Screwed & Socket-B16.1, Butt weld-B16.25

Product Range

150#		2" - 36"
300#		2" - 24"
600#		2" - 24"

Globe Control Valve

At Planet Valves, Globe Control Valves are available in wide range of materials, sizes, trim forms and other features - Single Seated Globe Control Valve , Double Seated Globe Valve, Three Way Angle Control Globe Valve etc.

Features:

1. Precision Control is its forte.
2. It is excellent in handling clean fluids, gases & steam.
3. Noise abating trim designs available.
4. Anti cavitation & flashing trim designs available
5. Multi spring diaphragm & compact design positioners

Design:

ASME-B-16.34, SFS EN 12516-2

F/F: ISA 75.08.01, B16.10

End connection:

FLANGE-B16.5, B16.47, B2220, IS 6392, EN1092-1

Testing: FCI70-2



Butterfly Valves

A butterfly valve is from a family of valves called quarter-turn valves. The high-performance double offset butterfly valve, used in slightly higher-pressure systems, is offset from the centre line of the disc seat and body seal (offset one), and the centre line of the bore (offset two).

Features:

1. Centric & Double eccentric design
2. Valves designed to achieve bi-directional tight shut off with Elastomer soft seat)
3. Wide choice of various seat moc: EPDM | VITON | PTFE | RPTFE (GFT) | SS316
4. Anti Blow out stem design
5. Wafer, Lugged and Double Flanged design

End connection:

Flanged/Wafer/Lug - B16.5, B16.47, EN1092-1

Materials Body:

Cast Iron, A 216 WCB, CF8 (SS 304), CF8M (SS 316), NAB (Nickel Aluminium Bronze – AB2)

Disc:

Ductile Iron, WCB, CF8, CF8M, Monel etc.



Design:

API-609/ASME-B-16.34

F/F: API-609

Testing :

API-598/EN-12266,

Fire Safe: API-607

Product Range

150#		2" - 60"
300#		2" - 24"
PN 10 PN 16		2" - 60"

Safety Valve

Safety Valve is a one type of valve that automatically actuates when the pressure of inlet side of the valve increases to a predetermined pressure, to open the valve disc and discharge the fluid (steam or gas); and when the pressure decreases to the prescribed value, to close the valve disc again.

Safety valve is so-called a final safety device which controls the pressure and discharges certain amount of fluid by itself without any electric power support.

Design API 520, 521, 526, 527

Inlet Size 1/2" to 8"

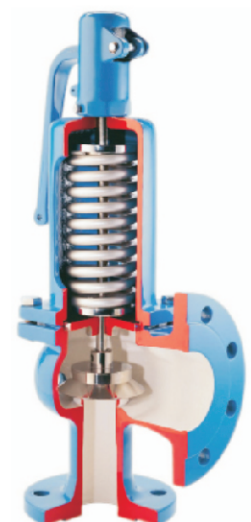
Set Pressure from 0.1 bar upto 40 bar

Temperature 550°C

All types of body material

IBR Approved

Full Nozzle type and Spring Loaded





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