

Valves

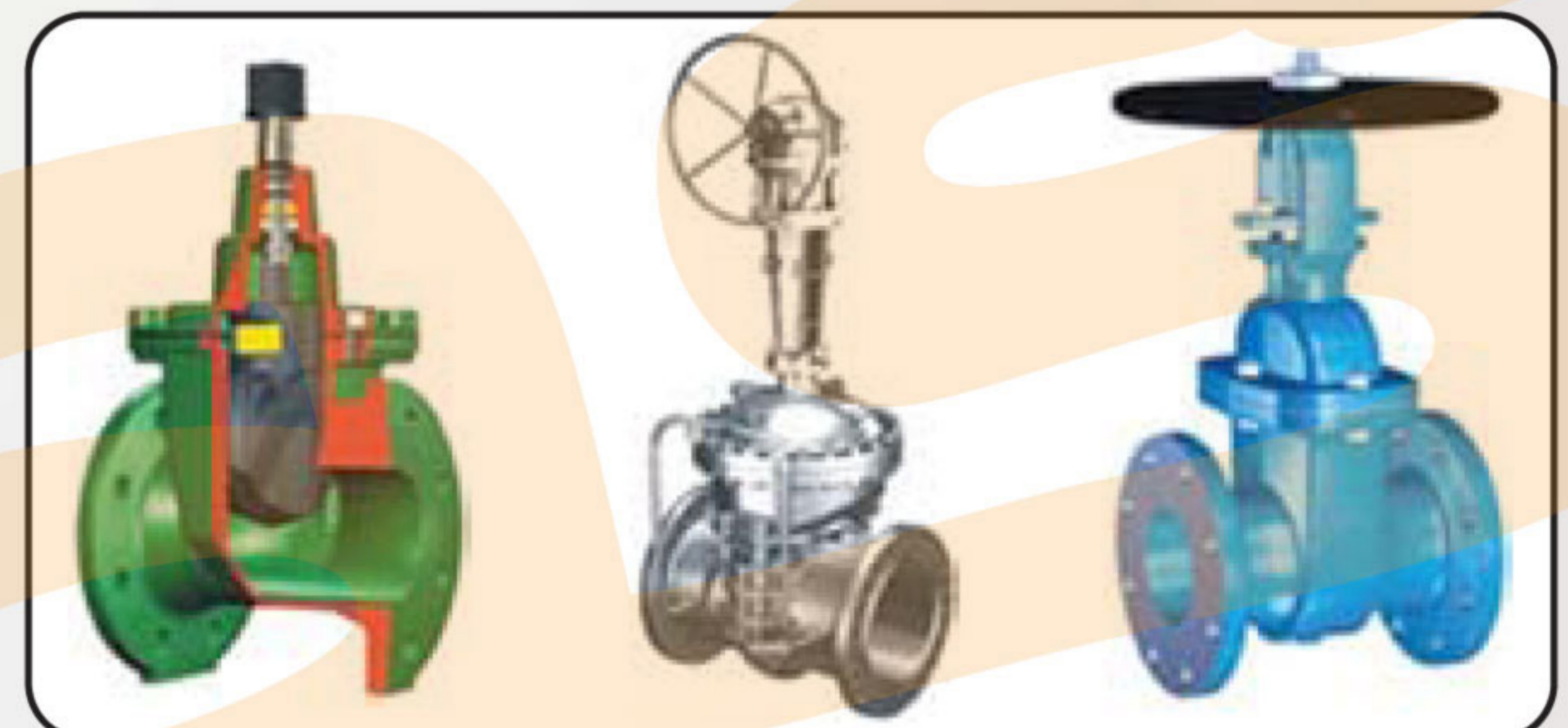
We are one of the leading companies supplying different types of valves for specialized fields such as Oil , Gas, Offshore, petrochemicals industries, chemical industries, Power, Marine water treatment plants, fertilizer refineries, thermal power stations, and other process industries.

Different types of materials are used for manufacturing the valves depending on the objective for which such valves will be used.

- Cast iron
- Carbon steel
- Stainless steel
- Ductile iron

1 - Gate Valve

The most common and traditional type of valve. The valves are large to accommodate the yoke and stem mechanism, but fully open the full bore design provides an uninterrupted flow path. Generally either used fully open or closed, for on/off isolation, and not used for modulating flow control duties. Variants include Solid and Flexible Wedge Gates, Double Disc Gates, Through Conduit Valves, Parallel Slide Valves and Knife Gate Valves.



2 - Globe valve

Globe valves are designed for flow control or on/off isolation of fluids. They are manufactured in straight patterns, angle patterns, oblique patterns and needle designs with a large variety of internal seat construction variants to handle high .P flow control duties. A wide choice of metal body options and trims means globe valves are widely used throughout industry.



3 - Check valve

The design is acknowledged for its reliability, safety, technical and construction features.



4 - Ball valve

Ball valves come in two basic designs: Floating Ball and Trunnion Mounted, with three basic construction variants: Three piece, End Entry and Top Entry with options of either full or reduced bore designs. Principally designed as an on/off isolation valve for a very wide range of temperatures and pressures they have inherent quick opening flow characteristics. Specially designed ball valves however, may offer good flow control capabilities at high .P. All ball valves offer compact actuation due to their rotary quarter-turn operation. Fire safe versions are available for use in the oil and petrochemical industries.



5 - Diaphragm valves

The diaphragm valves are used in wide range of applications. Equally suited to on and off, or flow control applications, a diaphragm valve will handle positive pressures or high vacuum. Due to the wide range of material options it will handle almost all applications within its temperature and pressure ranges (175°C max. and 16 bar max.)..



6 - Butterfly valve

One of the most compact and light-weight valves available. Used for a wide range of applications, the choice of seat, lining and disc options has increased significantly over recent years making the valve a popular choice. A wide range of materials, sizes and pressure ratings gives reliable positive isolation and moderate flow control capability over a wide range of applications throughout the industry.



7 - Plug valve

Principally designed for on/off isolation of fluids they have inherent quick opening flow characteristics similar to ball valves, although specially designed eccentric plug designs may be used for flow control applications. They can be automated by means of quarter-turn actuators



8 - Knife Edge Gate Valve

Knife Gate Valves are generally unidirectional valves and act as an excellent hopper isolation valves with their ability to cut through flowing media and closed by dislodging any material in the seating area. Knife-Edge Gate Valves withstand high temperature & abrasive slurries in Mining, Steel, Power, Chemical, and Paper Industries Ideal for high-density Slurry Lines.



9 - Air release valve

Air Release Valves function to release air pockets that collect at each high point of a full pressured pipeline. Air Release Valves can open against internal pressure, because the internal lever mechanism multiplies the float force to be greater than the internal pressure. This greater force opens the orifice whenever air pockets collect in the valve. Air Release Valves are essential for pipeline efficiency and water hammer protection.

