

Plug Valve Manufacturers in India

Speciality Valve is top rated [Plug Valve Manufacturers in India](#) providing high performance valve that provide unobstructed flow control in diverse challenging industrial processes. Our dedication to quality, innovation, and reliability has earned us a respected position among valve manufacturers.

Components of Plug Valve

1. Valve Body: The external casing containing the internal parts and communicating with the pipeline.
2. Plug: A rotating element with a through-center bore that regulates the path of flow.
3. Stem: Links the plug with the handle or actuator for rotational movement.
4. Seats: Offer a sealing face to provide zero leakage when the valve is shut.
5. Gaskets and Packing: Stop fluid from escaping around the stem and other fittings.

Working Mechanism

The function of a plug valve is simple. When the handle or actuator is rotated 90 degrees, the plug is turned in the body. In the open position, the hollow passage in the plug is aligned with the flow path so that the media can pass through.

Advantages

- Quick Shut-Off: Permits quick opening and shutting with little effort.
- Compact Design: Ideal for systems with limited space.
- Low Maintenance: Simple design minimizes the possibility of mechanical failure.
- Excellent Sealing: Provides tight shut-off even under high pressure.

Functions of Plug Valve

- 1) Isolation
- 2) Regulation of flow
- 3) Directional control of flow
- 4) Emergency shut-down

Types of Plug Valve

- 1) Lubricated Plug
- 2) Non Lubricated Plug Valve.
- 3) Jacketed Plug Valve
- 4) Twin Seal Plug valve
- 5) Lift Plug Valve
- 6) Orbit Plug Valve
- 7) Eccentric Plug Valve.
- 8) 3 way plug valve
- 9) Connected lift plug valve



