

# Valves

Allied Tools Corporation is a Valves supplier in India, unique system and an improvement over conventional paddle blind / figure eight / hammer blind/spectacle blind. It eliminates the need to spread the body flanges. This is extremely fast; the blind can be thrown from open to close positions or vice versa within a few minutes.

A valve is a device or natural object that regulates, directs or controls the flow of a fluid (gases, liquids, fluidized solids, or slurries) by opening, closing, or partially obstructing various passageways. Valves are technically fittings, but are usually discussed as a separate category.



## What Are Types Of Valves?

Isolation Valves: Ball, butterfly, diaphragm, gate, pinch, piston, and plug valves. Regulation Valves: Ball, butterfly, diaphragm, globe, needle, pinch, and plug valves. Safety Relief Valves: Pressure release and vacuum relief valves. Non-Return Valves: Swing check and lift check valves.

On top of the mechanical motion involved with a valve, also consider the method of actuation. In most cases, valves fall into one of three categories:

- Manual Valves: Typically adjusted by hand, these valves use hand wheels, hand levels, gear wheels, or chains to actuate.
- Actuated Valves: Often connected to electric motors, air or pneumatic systems, hydraulic systems, or solenoids, these valves allow remote control and automation for high-precision or large-scale applications.
- Automatic Valves: Some valves activate when a specific flow condition is met. Examples include check valves closing during backflow or pressure release valves activating when an over-pressure condition is detected.

## Common Valve Types & Their Applications

Valves feature a range of characteristics, standards, and groupings the help to give you an idea of their intended applications and expected performance. Valve designs are one of the most basic ways to sort the huge range of valves available and finding a good fit for a project or process.

### Features:

- Simple one-man operation.
- Fast & Easy Operation
- Positive shutoff of liquids, slurries, and gases