

Plug Valve Manufacturers Canada



Valvesonly is one of the most reputed [Plug Valve Manufacturers Canada](#). A plug valve is a type of quarter-turn rotary valve that is commonly used to control the flow of fluid in pipelines. Its design consists of a cylindrical or conical plug, which can be rotated inside the valve body to either allow or restrict the flow of fluid through the valve. The plug typically has a hole or port drilled through it, which aligns with the inlet and outlet ports of the valve when rotated to the open position, allowing fluid to flow through. When the plug is rotated to the closed position, the hole is perpendicular to the flow path, blocking the flow of fluid. Plug valves can be designed to have a tapered or cylindrical plug, with the latter being more common for applications requiring tight shut-off capabilities.

The structure of a plug valve typically includes a cylindrical or spherical body with inlet and outlet ports, a plug that fits into the body, a stem connected to the plug for rotational movement, and a handle or actuator for operating the valve. The body of the valve is usually made of durable materials such as cast iron, carbon steel, stainless steel, or various alloys to withstand the pressures and temperatures of the fluid being handled. The plug and stem are often made of materials compatible with the fluid to prevent corrosion or degradation. Plug valves are commonly used in industries such as oil and gas, petrochemical, chemical processing, and water treatment due to their versatility, reliability, and ability to provide tight shut-off when required. Their simple design and ease of

maintenance make them suitable for a wide range of applications, from low-pressure to high-pressure systems.

Types:

- Lubricated Plug Valve
- Non-lubricated Plug Valve
- Jacketed Plug Valve
- Twin Seal Plug valve
- Lift Plug valve
- Orbit Plug valve
- Eccentric Plug valve
- Expanding Plug Valve

As a [Plug Valve Manufacturers Canada](#), our valves offer the following benefits:

- They typically require only a quarter-turn of the handle or actuator to open or close, allowing for swift operation.
- They offer excellent sealing capabilities, providing tight shut-off when closed, which helps prevent leakage of fluids.
- Plug valves have a straight-through flow path, resulting in minimal pressure drop across the valve, thus optimizing system efficiency.
- They can handle a wide range of flow rates and pressures, making them suitable for various applications across different industries.
- Plug valves can often be used for both forward and reverse flow, offering flexibility in system design and operation.
- Their straightforward design makes them easy to install, operate, and maintain, reducing downtime and maintenance costs.
- Plug valves are typically constructed from robust materials, allowing them to withstand corrosive environments and high temperatures.
- Their rotating plug design reduces friction between the plug and the valve body, resulting in smoother operation and longer service life.
- Plug valves can handle fluids with suspended solids or slurries, making them suitable for applications where other valve types may clog or fail.

- Due to their simplicity, durability, and minimal maintenance requirements, plug valves offer a cost-effective solution for fluid control in various industrial processes.

Industries:

- Oil and Gas
- Petrochemical
- Chemical Processing
- Water Treatment
- Power Generation
- Pulp and Paper
- Mining
- Marine
- Wastewater Management
- Textile Manufacturing
- Automotive Manufacturing

Description:

- Body material: Cast Carbon steel (WCC, WCB, WC6), Stainless Steel [SS316, SS304, SS316L, SS904L, CF8, CF8M, F31L, F91], Duplex Steel and Super duplex Steel (F51, F53, F55), Cast iron, Ductile Iron.
- Class: 150-2500; PN 10 – PN 450
- Size: 1/2" - 48" .
- Operations: Lever, electric actuated, pneumatic actuated, gear
- Ends: Flanged, butt weld, socket weld, threaded

Our Website: <https://valvesonly.com/product-category/3-way-plug-valve/>

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