

Non Lubricated Plug Valve Manufacturers



Valvesonly is a reputed [Non Lubricated Plug Valve Manufacturers](#) in USA. A Non-Lubricated Plug Valve is a type of industrial valve designed to control the flow of fluids within pipelines. Unlike traditional lubricated plug valves that rely on the presence of a lubricating material to reduce friction and ensure smooth operation, non-lubricated plug valves utilize advanced materials and engineering to eliminate the need for external lubrication. The valve consists of a cylindrical or tapered plug, typically made of materials such as metal or reinforced plastics, which is inserted into the valve body. The plug has a central passageway that can be aligned with the pipeline to allow fluid flow or rotated to obstruct the flow by closing off the passage.

The working principle of a [non-lubricated plug valve](#) involves the rotation of the plug within the valve body, controlling the flow of the fluid. The valve is actuated manually or through an automated system, such as an electric or pneumatic actuator. The absence of external lubrication is achieved through the use of self-lubricating materials, bearings, or coatings on critical components, ensuring reliable and maintenance-free operation over an extended service life. The exterior of the non-lubricated plug valve often features a robust and compact design, with flanged or threaded connections for easy installation in various piping systems. This type of valve is commonly employed in applications where lubrication is impractical or undesirable, such as in corrosive or high-temperature environments, offering a durable and efficient solution for fluid control in industrial processes.

Parts:

- Body
- Plug
- Port
- Seat
- Bearings/Bushings
- Stem
- Actuator
- End Connections

Advantages:

- Maintenance-free operation
- Reduced contamination risk
- Durability and long service life
- Suitability for harsh environments
- Smooth operation
- Versatility in applications
- Environmental considerations
- Cost-effective

Industries:

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

Description:

- Body materials: CF8, CF8M, CF3, CF3M, Ductile iron, WCB, WCC, WC9, WC6, Alloy 20, SS304, SS316, CF8M, SS316L, SS904L
- Size: 1/2"-14"
- Class: 150 to 2500, PN16 to PN63
- End: Flanged, Socket weld, Butt weld, Screwed, threaded.

- Operations: Lever Operated, Pneumatic Actuator, Electric Actuator, Gear operated

Our Website: <https://valvesonly.com/product-category/non-lubricated-sleeved-plug-valve/>

Our Address: 80, Broad Street, Manhattan, New York, 10004