

Jacketed plug valve supplier in UAE

Middleeast valve is one of the best [Jacketed plug valve supplier in UAE](#). We supply to cities like Abu Dhabi, Dubai, Sharjah, Ajman.

Jacketed plug valves are specialized valves designed to address the challenges posed by extreme temperatures and aggressive media. The jacketed design involves an outer casing that encloses the valve, providing a protective layer against temperature fluctuations and corrosive substances. This unique construction ensures the valve's longevity and reliability in demanding environments.

Key Features and Components:

- **Jacketed Design:** The outer jacket acts as a thermal insulator, preventing the transfer of extreme temperatures to the valve's internal components. This is crucial in applications where maintaining a specific temperature range is vital.
- **Plug Mechanism:** The valve's plug mechanism, typically made of durable materials such as stainless steel or other corrosion-resistant alloys, ensures tight shut-off and precise control of fluid flow.
- **Sealing Technology:** Advanced sealing technologies, including elastomer seals or metal-to-metal seals, contribute to the valve's leak-tight performance, promoting safety and environmental compliance.

Benefits of Jacketed Plug Valves:

- **Durability:** The jacketed construction protects the valve from external elements, enhancing its durability and lifespan.
- **Temperature Control:** The thermal insulation provided by the jacket ensures precise control of fluid temperature, making these valves ideal for applications with stringent temperature requirements.
- **Corrosion Resistance:** The use of corrosion-resistant materials in the valve's construction makes it well-suited for handling aggressive chemicals without compromising performance.
- **Versatility:** Jacketed plug valves are versatile and adaptable, making them suitable for a wide range of industries and fluid types.

Suppliers of [Jacketed Plug Valve](#) in the UAE offer solutions that serve the dual functions of regulating fluid flow and maintaining optimal temperature in industrial processes. This ensures a steady fluid temperature, thereby averting any unwelcome reactions or disruptions in the manufacturing process, while also enabling operators to customize and manage the flow according to their requirements.

Description:

Available material: Cast Carbon steel plug valve (WCC, WCB, WC6), Stainless Steel plug valve [SS316, SS304, SS316L, SS904L, CF8, CF8M, F31L, F91], DUPLEX STEEL and Super duplex Steel plug valve (F51, F53, F55), Cast iron, Ductile Iron.

Class: 150-2500; PN 10 – PN 450

Size: 1/2" - 48".

Operations: Lever actuated, electric actuated , pneumatic actuated , gear actuated

Ends: Flanged, butt weld, socket weld, threaded

Parts of jacketed plug valve:

- Eye Bolt
- Diaphragm
- Spring
- Actuator Stem
- Scale Plate
- Stem Connector
- Yoke
- Packing Flange
- Gland Packing
- Valve Stem
- Gasket
- Guide Ring
- Valve Plug
- Seat Ring
- Valve Body
- Jacket

Industries which use them:

- Chemical Industry.
- Oil and Gas Industry.
- Petrochemical Industry.
- Energy Industry.
- Waste water treatment.

Applications of jacketed plug valve:

- Oil piping systems.
- Handling low-pressure, low-temperature services.
- Natural gas piping systems.

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