

Needle Valve supplier in Sharjah

Middleeast Valve is famous for Needle Valve Supplier in Sharjah. We supply good quality of valves to Kong, Shinas, Jebel Ali, and Laft .

Needle valves play a crucial role in controlling the flow of fluids in various industries, providing precision and reliability in regulating the passage of liquids and gases. These valves are aptly named due to their slender, needle-like structure that allows for meticulous adjustment in fluid flow.

Working Mechanism:

Needle valves operate on a simple yet effective principle. As the valve stem is turned, the needle moves in or out of the orifice, thereby adjusting the size of the opening and controlling the flow of fluid. The fine threading on the stem enables minute adjustments, making needle valves particularly suitable for applications where precise flow control is essential.

Needle valves find widespread use across diverse industries due to their ability to provide accurate flow control. Some prominent applications include:

- **Laboratory Settings:** Needle valves are extensively utilized in laboratories for controlling the flow of gases and liquids with utmost precision, ensuring accurate measurements and experiments.
- **Oil and Gas Industry:** In the oil and gas sector, needle valves play a crucial role in controlling the flow of various fluids within pipelines and processing units.
- **Aerospace:** The aerospace industry relies on needle valves for their precision in managing fluid flow in aircraft hydraulic systems and fuel lines.

In Sharjah, you can find reputable suppliers of Needle Valve. Needle valves serve a crucial role in fluid control by enabling precise adjustment of flow rates. They are versatile, capable of both completely shutting off and finely adjusting the flow of liquids or gases. Needle valves are commonly employed in applications demanding precise control, such as pressure gauges, flow meters, chemical analysis equipment, and systems requiring minimal flow rates.

Advantages :-

- The size of needle valves is smaller.
- At low rates, the flow control is extremely accurate.
- Accurate flow rate adjustments are possible.
- They are capable of being throttled.
- These valves are simple to shut off.
- To heat hot water, needle valves serve as bleed valves.

Description:

Materials: SS316, SS316L, Duplex, Inconel 625, SS304, CF8, CF8M, F51, F53, F55,

Class: 150 to 2500

Nominal Pressure: PN10 to PN450

Size: 1/2" to 2"

Ends: Threaded, socket weld, butt weld

Operations: Hand wheel operated

Visit us:- <https://www.middleeastvalve.com/product-category/needle-valve/>

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