

Knife Gate Valve suppliers in UAE

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Understanding Knife Gate Valves:

Knife gate valves are specially designed for applications where on/off control of liquids is essential. These valves derive their name from the sharp-edged disc, resembling a knife, which is used to cut through and control the flow of fluids. This design makes them particularly effective in industries dealing with slurries, wastewater, and other challenging media.

Key Features of Knife Gate Valves:

- **Bi-Directional Sealing:** Knife gate valves offer bidirectional sealing capabilities, ensuring reliable shut-off in both flow directions. This feature is crucial in preventing backflow and maintaining system integrity.
- **Compact Design:** The compact and lightweight design of knife gate valves makes them an excellent choice for installations with space constraints. Their straightforward design also facilitates easy maintenance and repair.
- **Corrosion Resistance:** Many knife gate valves are constructed from corrosion-resistant materials such as stainless steel, making them suitable for a wide range of industries, including chemical processing and wastewater treatment.
- **Low Maintenance:** The simplicity of the design contributes to low maintenance requirements. Regular inspections and minimal downtime for maintenance make knife gate valves a cost-effective solution for fluid control systems.
- **Customizable Actuation:** Knife gate valves can be actuated manually or through various automated systems, including pneumatic, electric, or hydraulic actuators. This adaptability allows for seamless integration into diverse industrial processes.

Suppliers of Knife Gate Valve in the UAE offer valves specifically designed for applications where an absolute seal is not of utmost importance, and these valves are typically not intended for flow rate control.

Description:

Available materials: WCB, WC6, WCC, LCB, LCC, Cast iron, Ductile Iron, SS316, SS304

Size: 2" to 80"

Class: 150 to 300

Nominal Pressure: PN6 to PN40

Operation: Handwheel, Electric and Pneumatic Actuated, Gear operated

Ends: Wafer, Lug, Flanged

Industries which use them

- Mining Industry
- Pulp and paper Industry

- Waste Water Treatment Plant
- Chemical Industry
- Power Generation Plant

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