

Pneumatic Knife Gate Valve Manufacturer in India

Speciality Valve proudly holds the position of the leading [Pneumatic Knife Gate Valve Manufacturer in India](#), extending our supply to regions including India, Cyprus, and Algeria. This specialized valve serves as a mechanical device designed to exert precise control over fluid flow, be it liquids or gases, within pipelines or process systems. Distinguished by its simple yet highly effective design, the valve features a sharp-edged gate or blade that can be raised or lowered, facilitating the regulation or prevention of fluid flow.

The pneumatic aspect of the valve pertains to its actuation process, where compressed air or gas is utilized to operate the valve, enabling remote and automated control. As air or gas enters the pneumatic actuator, it applies force to the gate, prompting its movement within the valve body. This movement, in turn, either opens or closes the passageway, effectively regulating the fluid flow. Pneumatic knife gate valves find exceptional utility in applications involving fluids with solid particles, slurries, or thick materials, as the sharp-edged gate adeptly cuts through, preventing clogging.

Widely employed in demanding industries like wastewater treatment, mining, pulp and paper production, and various heavy-duty applications, these valves from Specialityvalve provide a reliable and effective solution for fluid control, emphasizing durability, precision, and optimal performance.



Advantages:

1. Bi-Directional Sealing
2. Excellent Flow Control
3. Minimal Pressure Drop
4. Compact Design
5. Easy Maintenance
6. Remote Operation
7. Resilience to Harsh Environments
8. Cost-Effective
9. Tight Shut-Off

We manufacture [Pneumatic Knife Gate Valve](#) for the following industries:

1. Wastewater Treatment
2. Mining and Mineral Processing
3. Chemical Processing
4. Power Generation

5. Oil and Gas
6. Steel and Metal Manufacturing
7. Marine and Shipbuilding
8. Water and Desalination Plants

Description:

1. Available materials: WCB, WC6, WCC, LCB, LCC, Cast iron, Ductile Iron, SS316, SS304
2. Size: 2" to 80"
3. Class: 150 to 300
4. Nominal Pressure: PN6 to PN40
5. Operation: Pneumatic Actuated
6. Ends: Wafer, Lug, Flanged

Configuration of a Pneumatic Actuator:

1. 4-20 Mamp
2. Pneumatic single acting actuators
3. Pneumatic double acting actuators
4. Pneumatic rotary actuators
5. Pneumatic Scotch and Yoke actuators
6. Pressure: 228 bar

Temperature:

1. Standard -4°F to 200°F (-20°C to 93°C)
2. Low -40°F to 176°F (-40°C to 80°C)
3. High 0°F to 300°F (-18°C to 149°C)

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