

Non Rising Stem Gate Valve Manufacturer in India



Speciality Valve is a distinguished [Non Rising Stem Gate Valve Manufacturer in India](#), catering to Maharashtra, Gujarat, and Tamil Nadu. A non rising stem gate valve efficiently regulates fluid flow without a vertically moving stem, making it suitable for limited spaces and underground installations.

What is a Non Rising Stem Gate Valve?

A [Non Rising Stem Gate Valve](#) (also known as an NRS gate valve) is a type of valve used for controlling fluid flow. The NRS gate valve consists of a body, a gate, and a stem. Unlike rising stem gate valves, the stem in an NRS valve does not move up or down as it turns. When the stem turns, it moves into or out of the valve, which in turn opens or seals the gate.

Working:

In a non rising stem gate valve, the stem turns on its axis to open or close the valve, eliminating the need for vertical movement. This design is practical for confined spaces or installations where the valve is underground, providing effective flow control.

Advantages of Non Rising Stem Gate Valve:

Space Efficiency: Ideal for applications with limited space or underground installations.

Underground Applications: Suited for valves installed below ground level.

Reduced Maintenance: Requires less maintenance, especially in restricted access areas.

Lower Operating Torque: Offers smooth operation with lower torque requirements.

Durability: Exhibits durability in various industrial applications.

Cost-Effective: Provides an economical solution for specific valve requirements.

Minimised Leakage Risk: Ensures minimal risk of leakage during operation.

Improved Safety: Practical choice in applications where safety is paramount.

Smooth Flow Control: Efficiently controls fluid flow without a vertically moving stem.

Industries:

Water and Wastewater Treatment Plants: Efficiently controls fluid flow in treatment processes with limited space constraints.

Oil and Gas Industry: Ideal for underground installations, offering smooth flow control in oil and gas pipelines.

Chemical Processing Industry: Suited for confined spaces, minimising maintenance needs in chemical processing applications.

Power Generation Industry: Provides cost-effective and durable flow control solutions for power generation plants.

Mining Industry: With reduced maintenance requirements, it's a practical choice for mining operations with space limitations.

Pulp and Paper Industry: Ensures smooth flow control in pulp and paper manufacturing processes, even in restricted spaces.

Marine and Shipbuilding Industry: Suitable for confined areas on ships, contributing to smooth fluid flow control in marine applications.

Petrochemical Industry: Offers a cost-effective and durable solution for flow control in petrochemical processes.

Refining Industry: Practical for refining processes, minimising leakage risk and offering improved safety in confined spaces.

Description:

Available Materials: Cast iron, Ductile iron, Casting Steel (WCB, WC6, LCB, WCC, LCC, WC9), Stainless steel (SS304, SS316, CF8M, SS316L, SS904, LA105, F304, F304L, F316, F316L).

Class: PN10 to PN450, ANSI 150 to 2500.

Connection Type: Buttweld, Flanged, Socket weld, Threaded.

Size: 1/2" to 48".

Operations: Handwheel, Gear Operated, Electric Actuated, Pneumatic Actuated.

Visit us: <https://www.specialityvalve.com/product-category/non-rising-stem-gate-valve/>

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