

Dual Plate Check Valve Manufacturers in India



Specialty Valve is trusted [Dual Plate Check Valve Manufacturers in India](#), delivering quality products to regions such as Gujarat, Tamil Nadu, and Uttar Pradesh.

About Dual Plate Check Valve:

In a dual plate check valve, two semicircular plates connected to a central shaft facilitate unidirectional fluid flow while preventing backflow. These plates pivot under fluid pressure, ensuring smooth passage in the intended direction and prompt closure to prevent reverse flow when pressure changes. This design offers benefits such as compact size, minimal pressure drop, and enhanced sealing performance compared to other check valve designs.

Versatility and Efficiency of Dual Plate Check Valves:

The standout feature of dual plate check valves lies in their use of two hinged half-discs or plates within a central body, enabling unidirectional fluid flow with swift closure to prevent backflow. Enhanced closure efficiency is achieved through the integration of a spring-loaded mechanism, reducing cracking pressure and promoting rapid response to flow changes. This design ensures a solid yet lightweight structure, coupled with minimal pressure drop for increased system efficiency, especially in applications with variable flow rates. Widely utilized across industries like water treatment, oil and gas, and chemical processing, these valves offer versatility in installation orientation and facilitate easy inspection and maintenance, underlining their importance in fluid control systems for preventing unwanted backflow.

Parts :

Body: The main housing of the valve, containing internal components and providing a passage for fluid flow.

Disc: Two semicircular plates or discs that pivot around a central shaft to control the flow of fluid through the valve.

Hinge Pin or Shaft: The central mechanism around which the disc plates pivot, facilitating fluid flow regulation.

Body Seat or Seat Rings: The sealing surfaces where the disc plates make contact to create a tight seal and prevent leakage.

Flanges: External components used for attaching the valve to the pipeline, providing secure connections and easier installation and maintenance.

Advantages :

Reduced Pressure Drop

Compact Design

Rapid Closure

Firm Sealing

Suitable for a Wide Range of Applications

Low Maintenance

Wide Size Range
Long Service Life

We are [Dual Plate Check Valve Manufacturers in India](#) serving industries:

Petrochemical Industry
Oil and Gas Industry
Chemical Processing Industry
Water and Wastewater Plants
Power Generation Plants
Manufacturing Industry
Mining Industry
Water Distribution Plants

Description :

1. Available Materials: Cast Iron, Ductile Iron, WCB, WC6, LCC, LCB, WCC, SS304 , SS316, Aluminum Bronze
2. Class: 150 to 1500
3. Nominal Pressure: PN6 to PN250
4. Size: 2" to 48"
5. Ends: Wafer, Lug, Flanged

For further information, please visit our website:

Visit:-

<https://www.specialityvalve.com/product-category/dual-plate-check-valve/>

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