

Diaphragm Valve Manufacturer in India

Speciality valve is the leading [Diaphragm Valve Manufacturer in India](#). It is a type of valve that uses a flexible diaphragm, normally made of rubber or elastomeric material, to control and manage the flow of fluids.

How It Works:

The diaphragm valve works by moving the diaphragm using a stem and actuator. When the actuator is activated, the diaphragm moves against the valve seat to either start or stop the flow of fluid. This design ensures a tight seal, preventing leaks and contamination. It is often used in systems where hygiene and cleanliness are crucial.



Main Components

Body: The main structure that houses the internal components and controls the flow of fluid.

Diaphragm: A flexible membrane that regulates the flow by sealing or opening the valve.

Bonnet: The housing that holds the diaphragm and connects to the actuator.

Actuator: A mechanical or pneumatic device that moves the diaphragm to control flow.

Stem: A component that transfers motion from the actuator to the diaphragm.

Benefits of Diaphragm Valves:

1. Excellent Flow Control - It supports consistent flow regulation and is best for applications to require correct control of fluids or gases.

2. Bubble-Tight Seal - It provides a leak-free and bubble-tight seal, preventing contamination or leakage.

3. Corrosion Resistance - It is used as corrosion resistance and also best handling aggressive or corrosive fluids
4. Quick Opening and Closing - It is fast in operation, allowing for quick operation best for rapid flow applications.
5. Low-Pressure Drop - It minimizes pressure drop, promoting system operation and fluid handling application.

Speciality valve is the largest [Diaphragm Valve Manufacturer in India](https://www.specialityvalve.com/product-category/diaphragm-valve/), we providing you one of the best valve for industrial application

Industries That Use Diaphragm Valves:

Oil and Chemical industry
Chemical Processing
Water Treatment
Biotechnology
Automotive Manufacturing
Textiles
Marine and Shipbuilding
Aerospace

Description -

Available materials: Cast Iron, Ductile Iron, Alloy 20, WCB, WC6, WCC, LCB, LCC , SS304, SS316, CF8, CF8M

Size: ½” to 12”

Class: 150 to 600

Nominal Pressure: PN10 to PN100

Operation: Hand wheel, Pneumatic, Electric

Ends: Flanged, Threaded

Visit on - <https://www.specialityvalve.com/product-category/diaphragm-valve/>

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