

Foot Valve Manufacturers in India



Specialty Valve stands out as a leading [Foot Valve Manufacturers in India](#), supplying high-quality valves globally to countries such as Italy, USA, and Mexico. A foot valve is a specialized type of check valve designed for vertical pump setups, typically located at the base of a suction pipe immersed in the fluid it transports. Its primary function is to prevent fluid from flowing back into the suction line, thereby maintaining the pump's prime and enabling uninterrupted pumping activities.

Construction and Components:

Foot valves are constructed for durability and typically consist of:

Casing: Made from robust materials like cast iron or stainless steel to withstand diverse fluid conditions.

Hinged Flap or Disc: Allows fluid flow in one direction while preventing reverse flow.

Strainer: Filters debris and particles, protecting the pump from potential damage.

Operational Principle:

The operational principle of a foot valve is essential for efficient pump functionality. During pump operation, the foot valve opens to allow fluid into the suction pipe and pump. When the pump is deactivated, the foot valve closes to prevent fluid backflow, thereby preserving the pump's prime.

Components of a Foot Valve:

Body

Valve Disc

Fixing Bolts

Fixing Screws Strainer Flanged

Strainer

Features and Benefits:

Importance in Pump Efficiency: Crucial for maintaining pump efficiency by preventing air ingress into the suction line, which can cause cavitation and reduce pump performance. **Preventing Pump Damage:** Equipped with an integrated strainer that filters debris and contaminants, thereby reducing pump wear and extending system lifespan. **Installation and Maintenance:** Proper installation and regular maintenance, including strainer cleaning and valve inspections, ensure trouble-free operation and prolonged system longevity.

Specialty Valve, as a [Foot Valve Manufacturers in India](#), ensures pumps maintain prime and operational readiness by maintaining consistent fluid flow from the source and preventing reverse flow when the pump is inactive.

Description:

Available Materials: SS304, SS316, Cast Iron, Ductile Iron, WCB

Class: 150 to 300

Nominal Pressure: PN10 to PN63

Size: 1/2" to 24"

Ends: Flanged, Threaded

Visit us to explore our range of foot valves:

<https://www.specialityvalve.com/product-category/foot-valve/>

Address:- 43, Satra Plaza, 19D, Palm Beach Rd, Juhu Nagar, Phase 2, Sector 14, Vashi, Navi Mumbai, Maharashtra 400703

Contact:- +91 7708220219

Mail:- sales@specialityvalve.com

