

Duckbill Check Valve for Backflow Prevention

This duckbill valve, crafted from elastic neoprene and artificial fiber, features a unique duckbill shape. It automatically closes under internal pressure, opening gradually to discharge liquids at high flow rates.



Product Overview

High-Performance Backflow Prevention

This duckbill check valve is engineered from elastic neoprene and reinforced with artificial fiber, utilizing a specialized processing technique to ensure reliable flow control. Its unique duckbill shape allows for automatic closure under internal pressure, effectively preventing backflow while enabling high-flow discharge. Designed to outperform traditional flap gates, this valve eliminates common issues like incomplete sealing, providing a robust solution for wastewater treatment and urban drainage systems.

Technical Standards

Flange Standards

Pipe Diameter	Standard Pressure
Below 800mm	1.0 MPa
800mm and above	0.6 MPa

Key Features

Benefits

- Prevents flood and sewage intrusion into streets and basements
- Protects sewage treatment plants and pumping stations from rising water levels
- Blocks odors and fluid diffusion
- Provides reliable drainage during rainy seasons
- Superior sealing performance compared to traditional flap gates

Material & Design

Materials	Elastic Neoprene, Artificial Fiber
Valve Type	Duckbill Check Valve