



Introduction

FENGCHI heavy duty Pinch Valve is a long-lasting and ideal valve, which is specially designed for shut-off and control applications involving abrasive or corrosive slurries, powders, or granular substances.

Size range: 15~2000mm, 1/2" ~84" in

Pressure range: 1~10Mpa

Material of valve body:

DN15~200:

carbon steel, ductile iron, aluminum alloy, stainless steel-casting process.

DN250~2000:

45#steel, stainless steel welding technology.

Material of valve sleeve:

NR, EPDM, CR(chloroprene rubber), NBR, butyl rubber, FPM, Hypalon rubber



Principle

The operating principle of FENGCHI® pinch valves is very simple. In the open position, the valve is full bore with no flow restrictions. During closing, two pinch bars squeeze the valve sleeve shut on the center line. The sleeve is naturally wear resistance and when particles hit the sleeve's rubber surface, the energy is absorbed and released when the rubber bounces back. Heavy duty pinch valves provide bubble tight shut-off even if solids have built up on the sleeve wall. When compressed, any crystallized particles flake off the sleeve surface. The full bore structure ensures free flow of the medium. The construction and materials of the three main components (sleeve, body and actuator) can be tailored to suit your process conditions. Full bore open



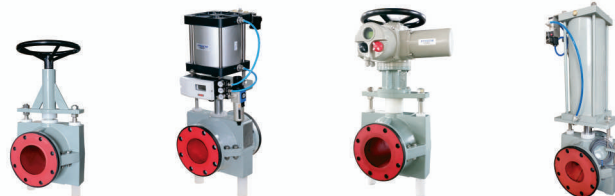
Open



Close

Features

- Full bore - no flow restrictions
- Shut off on the center line - extend the service lifetime of valve sleeve
- Valve sleeve is the only part in contact with the medium-the only wearing part.
- Self-cleaning - no clogging
- Wide variety of material for valve sleeve-to fulfill the requests of fluid medium
- Strong construction design of metal valve body - extend service intervals



Application

Pinch valve is widely applied in power plant, sewage plant, mining, and chemical process control. It is especially fit for the working conditions with easy scale formation. It can be 100% tight shut-off even with particles, since the rubber valve sleeve, the only part in contact with fluid medium, is made of vulcanized rubber, that's why it is with high abrasive resistance and corrosive resistance, so pinch valve is competent even if complex chemical reactions are taking place in the pipeline.

The pinch valves we design and manufacture have been selected by all walks of life and won a good reputation. Some of the applications and working conditions of pinch valves are as below:

Power plant	Sewage plant	Mining	Chemical process control
FGD system	Sludge control	Tailings disposal	Corrosive and abrasive material
Gas scrubbing system	Sand removal	Flotation control	Powder
Coal conveyor	Raw sewage	Mud discharge pipeline	Particles
Fly ash control	Lime, Carbon	Multiple slurry	Waste disposal



Product Name:

Dn125 Manual-operated Pinch Valve

Dn50 Air-operated Pinch Valve

DN125 Air-operated Pinch Valve

Related Materials:

Valve Body with Q345B steel, imported Linatex natural rubber

Double-acting aluminum alloy cylinder and imported double-acting ABB positioner

Quantity in total : Above 100 sets

Suitable for HUATE high intensity magnetic separator

Royhill Iron Mine Tailing Recovery Project, Royhill, Australia



Product Name:

DN150/200/300 Air-operated Pinch Valves

Related Materials:

Valve body with ductile iron, imported Linatex natural rubber

Double-acting aluminum alloy cylinder and imported double-acting ABB positioner

Quantity: Above 30 sets

Suitable for flotation machines

Graphite Dressing Plant Programme



Product Name:

Dn150 Electric Pinch Valve

Related Materials:

Valve Body with aluminum alloy, imported Linatex natural rubber

Multi-turn intelligent electric head

Iron Ore Tailing Filling project



Product Name:

Manual-operated Pinch Valves

Gold Mine Project Site

Pneumatic Pinch Valves (Equipped with manual mechanism)

Titanium Dioxide Project Site