



DOUBLE DISC VALVE

Innomatic Double Disc valves or double disc gate valve designed for on-off service in venting and conveying lines on high pressure pneumatic conveying applications. Double disc valve uses a double disc sealing and sealing surfaces are made from wear-resistant alloy or ceramic. The design is rugged and clean operating. The Double disc valves have metal to metal sealing to reduce wear in venting and discharge applications. The seal is 100% airtight and the valve achieves a long service life, particularly in applications. Consequently, overall system reliability is increased dramatically.

Working Operation

When air is introduced into the upper cylinder port, the piston rod pushes the double-disc down and the valve is closed. When air is introduced into the lower cylinder port, the piston rod pushes the double-disc up and the valve is opened. The internal linkage drives the two spring loaded disks against the lapped body endplates. The disks move along a unique path and rotate with each stroke of the air cylinder which distributes the wear evenly and extends the life of the disks and endplates. The valve is self-cleaning. Additional air purging can be provided to ensure clean-in-place performance.

Usage

The valve is mainly used as a hoist device in dry ash, system ash and slug discharge of thermal power plant, and the pipeline of wear and tear, corrosive dust, water, oil, steam and other media of mining, papermaking, petrochemical and more.

Sizes: 50 NB up to 400 NB (4" up to 16")

Body: Cast Iron, cast steel, SS304, SS 310 & SS 316

Seat: Special Wear Resistance Alloy /Ceramic

Disc: Special Wear Resistance Alloy /Ceramic

Operation: Pneumatic cylinder



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