Complete Solution for Pneumatic Conveying Systems under one roof

Spherical Dome Valve

NO JAM !
NO PINCH !!
ZERO LEAK !!!
Salient Features

☞ **Uninterrupted flow**: In open Position, Spherical Dome is completely out of the conveying path, hence there is no obstruction for material flow & also spherical dome is protected from direct contact with the conveying material.

☞ **Wiping Action**: As Spherical Dome Valve Begins to Close, wiping action of rotating disc smoothly cuts off the flow of the product with no pinch points or opportunity for material to wedge between the seat and the disc.

☞ **Quarter Turn Operation**: Spherical Dome Valve requires only a quarter turn from full closed to full open condition.

☞ **Customised Manufacturing**: Spherical Dome Valves can be customised to meet the special requirements of most applications. Optional quality seats and internal coatings are available for spherical dome & internal surface of the body.

☞ **Lesser Maintenance & Longer Operating Life**.

Materials

**Body and Dome**: Mild Steel / Ductile Iron / Aluminium / SS 316

**Seat**: Neoprene / EPDM / Silicon / PTFE

**Protection** - For specific applications surface coating options for dome are available & same coatings can be applied for body internal surfaces & wetted portion.

1) For sticky & abrasive materials - Chrome Plating.
2) For abrasive materials - Tungsten carbide coating.
3) For Corrosive materials - Epoxy resin coating.
4) For food, sticky or wet materials - Reinforced PTFE coating.

Applications

# Material Inlet, Material Outlet & Vent / Equalising of pneumatic conveying dense pump.
# Branch Isolation, Diverter Valve, Silo Isolation in pneumatic conveying lines.
# Handling sticky, gummy, pelletized or granulated substances.
# Highly abrasive flow.
# Sanitary, Food and Pharmaceutical.
# Hopper discharge cut-off.
# Ball, Knife and Butterfly valve replacement.
# Vessel Sealing.
# Inline Flow Isolation.

Accessories

# Position Indicator
# Pressure Switch or Limit Switch for close position.

Specifications

**Normal Temp. range**: upto 200°C

**Water Cooled Temperature range**: upto 400°C

**Differential Pressure Range**: -0.5 to 7 bar.

**Inlet**: ANSI B16.5 #150 / BS 10 Table D

**Outlet**: ANSI B16.5 #150 / BS 10 Table D

**Actuators**: 1) Manual handle with position Lock.
2) a) Reciprocating Cylinder Type.
   b) Vane Type.
   c) Rack & Pinion Type.
Dimensional Details

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**Note:** Dimension are subject to change without notice. For other sizes please contact our marketing Division.
OTHER BULK HANDLING VALVES

Rotary Airlock Valve

Material Inlet Valve

Derropot

Tight Shutoff Valve

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