

### Passive Solution

The Ventex<sup>®</sup> valve is a true passive valve solution that provides the benefits of a passive technology. Low maintenance requirements and no reliance on detectors or ignitors to activate the valve make it a great solution for explosion isolation.

### Clean Air Solution

Isolation of the clean air exhaust can be a difficult solution to design. The Ventex<sup>®</sup> valve offers an economical and passive solution to the problem. Isolating the clean air exhaust can allow for savings on energy consumption and avoids the pitfalls of exhausting the air outdoors.

### NFPA 69 Compliant

The Ventex<sup>®</sup> valve is a compliant solution in NFPA 69 and is compliant for FM 7-76. The valve has an ATEX approval for isolation of a variety of different types of dusts and gases.

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## Data Sheet



## Ventex<sup>®</sup> Explosion Isolation Valve

The Ventex<sup>®</sup> Explosion Isolation Valve is a passive float valve designed for explosion isolation. The valve is designed to operate by closing when the pressure wave of the explosion slams and locks the valve shut.

The valve can be configured for use as a single acting or double acting arrangement. Double acting valves are able to isolate in both directions. All Ventex<sup>®</sup> valves can be configured to isolate in the same or opposite direction of the process airflow. Vertical and horizontal valves can be built to allow for flexibility on the installation location.

The Ventex<sup>®</sup> valve is approved to isolate organic dusts, metallic dusts, hybrid mixtures, and some gases.

The Ventex<sup>®</sup> valve is ideal for use for light dust loading or clean air isolation applications on a variety of different process equipment. Examples include dust collectors, cyclones, mills, pneumatic conveying receivers, and dryers. A true passive valve the Ventex<sup>®</sup> valve offers a low maintenance solution that is not dependent on detection systems or ignitors to activate the valve.

## Specifications

- Single or double acting valves
- Standard valves are painted carbon steel
- Internal components are 304 SS
- All valves come with a standard inductive sensor for monitoring
- EPDM gaskets come standard for up to 250°F (120°C)
- Maximum Kst of 400 bar-m/s
- ATEX Approved for organic, metallic, and hybrid mixture dusts
- Valve can be 10 bar rated for containment
- Class 2, Div. 2 standard

### Options

- ANSI or DIN Flanges Option
- Carbon or Stainless Steel Option
- Multiple Gasket Materials Available
- High Temperature Option for 480°F
- CIP Design Available
- Class 2, Div.1 Available



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