

SOLIDS & BULK HANDLING COMPONENTS



**EXPERIENCE
& INNOVATION.
DELIVERED.**

THE SCIENCE OF TAILORED SOLUTIONS.

Selecting the right piece of equipment is critical to the success of any dry bulk solid material handling system. Misapplied components and deficient designs add unexpected costs and create processing inefficiencies. The characteristics of dry bulk solid materials are endless, so there is no such thing as an all-encompassing solution that meets every application. This is why Vortex offers a wide range of valves and loading solutions for handling nearly any type of dry bulk solid, from fine powders to heavy ores. With an in-house team of 70 product engineers and application engineers, and a global service network spanning more than 120 countries, Vortex analyzes the application parameters and works directly with you to match the right solution to the application. We offer collaborative problem-solving and technical support throughout – from project inception to completion. And that...is the Vortex difference.



CONVEYING TYPES:

PNEUMATIC DILUTE PHASE

PNEUMATIC DENSE PHASE

GRAVITY FLOW

QUANTUM SERIES

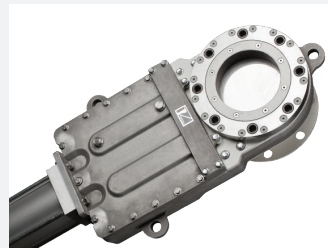
VALVES FOR DRY BULK PROCESSING AND CONVEYING



Orifice Gate



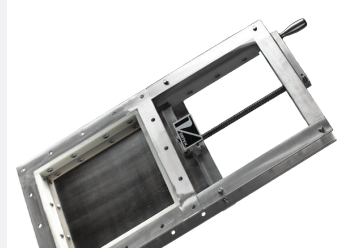
Roller Gate



HDPV2 Gate



Clear Action Gate



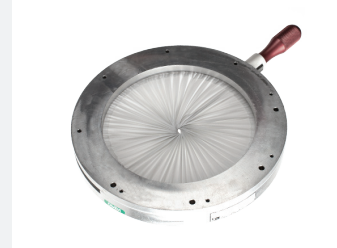
Maintenance Gate



Handslide Gate



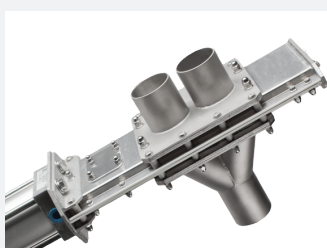
Quick Clean Gate



Iris Valve



Seal Tite Diverter



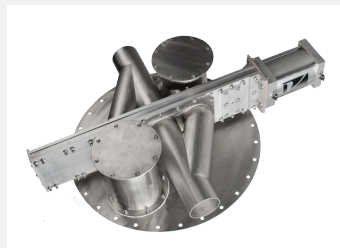
Wye Line Diverter



Flex Tube Diverter



Gravity Vee Diverter



Fill Pass Diverter



Multi-Port Diverter



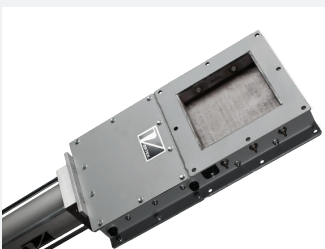
Angel Hair Trap



Controls & Accessories

TITAN SERIES

GATES AND DIVERTERS FOR HEAVY-DUTY MATERIAL HANDLING



TSG Gate



Aggregate Gate



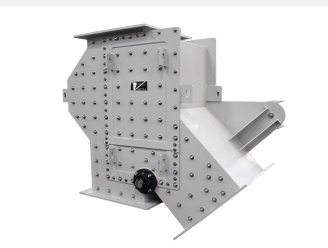
TPV Gate



RBG Gate



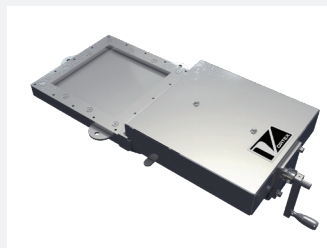
Aggregate Diverter



TLD Diverter



Pivoting Chute Diverter



Titan Maintenance Gate

LOADING SOLUTIONS

DUST FREE LOADING SPOUTS AND EQUIPMENT



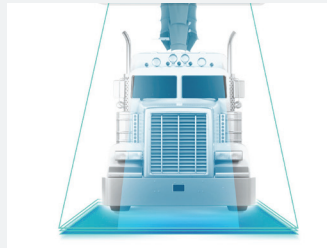
Loading Spout



Filtration Systems



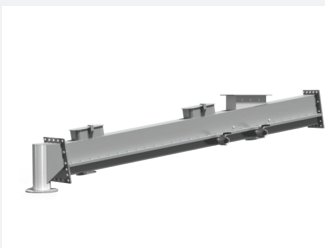
Spout Positioner



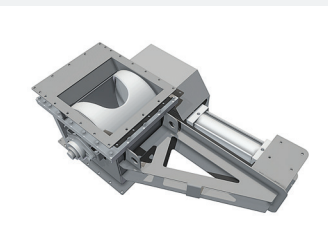
Automated Loading

AERATED SOLUTIONS

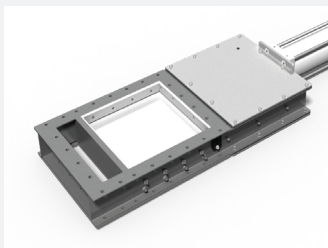
AERATED CONVEYORS AND CONTROLS



Aero-Slide Conveyors



Aero-Slide DrumValves



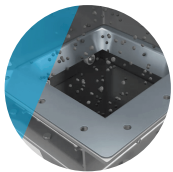
Aero-Slide Gate Valves



Aero Bin Bottoms

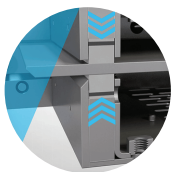
DESIGNED INTO EVERYTHING WE BUILD.

VORTEX'S DESIGN PHILOSOPHIES:



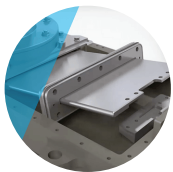
✔ Built for Application

Vortex believes in offering only value-added products that are designed for purpose, rather than producing off-the-shelf, commodity components. With an in-house team of application engineers, Vortex designs for the most demanding applications.



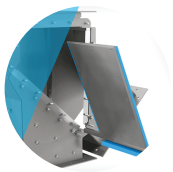
✔ Compensate for Wear

Vortex closely studies the characteristics of thousands of dry bulk materials and how they interact with various materials of construction. We assess the wear potential for each application and make application-specific modifications to ensure reliability, durability and longevity.



✔ Maintenance Friendly

Our priority is to keep you up and running – because in your world, there is no time for downtime. Vortex components are engineered with in-line service features that accelerate the system maintenance process, saving your team time and money.



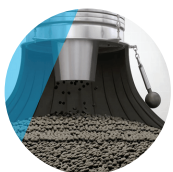
✔ Minimal Spare Parts

Vortex approaches wear parts with simple, durable design. Doing so means maintenance procedures are also kept simple while the need to perform maintenance is infrequent. This leads to a reduction in spare part inventories and a reduction in costs.



✔ Long Service Life

End users are often attracted to equipment on the fallacy of low price, ignoring the cost-benefits of reliability and longevity. Vortex believes in designing products that will out-perform and outlast market alternatives – so that end users realize the full value of their investment.



✔ Dust Free Environments

Facilities have an ethical obligation to protect against the hazards of manufacturing. Vortex closely studies trends in air quality, environmental dust emissions, workplace safety and evolving regulations. Our components are designed with these concerns in mind.

WHO IS VORTEX?

Founded in 1977, Vortex specializes in the design and manufacture of components for the transport and flow control of dry bulk solids. Vortex's technical focus is in the development of innovative technologies to improve solids process efficiency, ensure dust-free environments, and establish long-term reliability.



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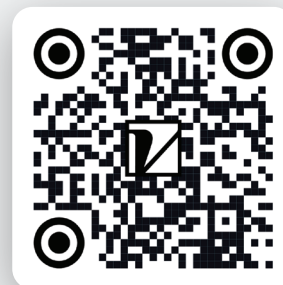
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