



Valves

Handling the world's dry bulk solids®

VORTEX® GRAVITY VEE™ DIVERTER

The Vortex® Gravity Vee™ Diverter is designed for diversity when diverting the flow of dry bulk solids in a gravity flow conveying system. The design allows for material flow through both outlets simultaneously, one outlet at a time, or a complete shut-off of flow. The Gravity Vee™ Diverter is also capable of metering flow in both or either direction. The Gravity Vee™ Diverter is designed to eliminate problems, increasing production, while decreasing labor and equipment costs.

Vortex® Gravity Vee™ Diverter Features

- Positive Seal of Dust and Fine Powders
- Seals Protected from Abrasion
- Accurate Metering of Material with Optional Metering Controls
- Seal Access Ports for In-Line Seal Replacement
- Air Cylinder Model Includes Magnetic Piston



Valve Specifications

Size/Bore Options	6" to 18" Diameter Round, Square, or Rectangular
Media	Powder, Pellets, Granulars
Connection Options	SVC Standard Flange, ANSI, DIN, JIS, Custom Flanges
Media Temperature	Up to 180°F continuous to 250°F intermittent service, Modifications allow up to 250°F continuous to 300°F intermittent service
Media Pressure	0 psig, Gravity Flow Only
Metal Construction Options	304 or 316L Stainless Steel, Aluminum, and/or Carbon Steel
Seal/Seat Material Options	Nylon, PET, UHMW, Glass Filled Teflon, Natural Rubber, and/or Silicon Rubber
Drive/Actuation Options	Double Acting Air Cylinder with Solenoid Operated Air Control Valve, Electric Actuator, or Hand Wheel
Position Confirmation	Magnetic Reed Switch, Proximity Switch, or Mechanical Switch
Compliance/Approvals	CE, ATEX, FDA
Industry Use	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture



Application Specific Modifications

S	Material contact is 316L stainless steel.
WS1	Slide blade is electro-polished. Polyethylene Terephthalate (PET) dust seals replace Nylon.
HT3	Modifications are made allowing 250°F continuous to 300°F intermittent service.
HT4	Modifications are made allowing 400°F continuous to 450°F intermittent service.
HS	Hardened steel rollers replace standard nylon rollers.
SB	Bonnet is manufactured with solid, gasket covers. (Allows the valve to accept air purge.)
AD	Modifications are made to handle medium abrasive products. Includes flow deflector and 5mm 304 stainless steel blade.