



# 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 Vee0 Diverter™ is designed to eliminate problems, enabling you to meet your objectives by 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
- Easy Installation and Maintenance



Valve Specifications	
Size/Bore Options	5", 6", 8", 10", 12", 14", 16", 18", and 24" 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.
MG	Air cylinder has a magnetic ring which activates a magnetic reed position indicating switch.
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.