



Valves

Handling the world's dry bulk solids®

VORTEX® AGGREGATE DIVERTER™

The Vortex® Aggregate Diverter™ is designed to meet the demanding applications associated with handling material such as sand, gravel, whole grains, and coal. This diverter has been engineered to address the problems associated with typical aggregate or “bucket” diverters. The removable access door and abrasion resistant wear liners allow for a “maintenance friendly” diverter. The Aggregate Diverter™ is designed to eliminate problems, enabling you to meet your objectives by increasing production, while decreasing labor and equipment costs.

Vortex® Aggregate Diverter™ Features

- Heavy Duty Construction
- Seals and Body Protected from Abrasion
- Access Door for Internal Inspection, Cleaning, or Maintenance
- Easy Installation and Maintenance



Valve Specifications

Size/Bore Options	6” to 40” Diameter Round, Square, or Rectangular
Media	Powder, Pellets, Granulars
Connection Options	SVC Standard Flange, ANSI, DIN, JIS, or Custom Flanges
Media Temperature	Up to 180°F continuous to 250°F intermittent service, Modifications allow up to 400°F continuous to 450°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, Chute Rubber, Belted Rubber, Kryptane, and/or Silicon Rubber
Drive/Actuation Options	Double Acting Air Cylinder with Solenoid Operated Air Control Valve, Electric Actuator, or Hand Lever
Position Confirmation	Magnetic Reed Switch, Proximity Switch, or Mechanical Switch
Compliance/Approvals	CE
Industry Use	Plastics, Petrochemicals, Chemicals, Minerals, Textiles, Agriculture



Application Specific Modifications

45 / 30	The angle the outlets are offset (45 or 30) degrees.
MG	Air cylinder has a magnetic ring which activates a magnetic reed position indicating switch.
HT4	Modifications are made allowing 400°F continuous to 450°F intermittent service.
DP	Carbon steel special service inlet with built-in dead pocket deflector.
PL	Replaceable abrasion resistant polymer liner on bucket legs.
HL	AR400 carbon steel honeycomb liner on bucket legs.
HB	AR 400 carbon steel honeycomb liner on bucket.
RT	Round transitions with Vortex Standard flange patterns are mounted to the inlet and two outlets of the valve.
RTP	Round transitions with ANSI, DIN, or JIS flange patterns are mounted to the inlet and two outlets of the valve.