



# Valves

## Handling the world's dry bulk solids®

### VORTEX® AGGREGATE GATE™

The Vortex® Aggregate Gate™ is designed to meet the demanding applications associated with handling material such as sand, gravel, whole grains, and coal. The narrow profile, choice of actuators, and custom rectangular size make this slide gate adaptable to most existing installations. Optional round inlets or outlets flanges and dust return pans are also available. Aggregate Gate™ is designed to eliminate problems, enabling you to meet your objectives by increasing production, while decreasing labor and equipment costs.

#### Vortex® Aggregate Gate™ Features

- Hardened Steel Rollers with Grease Fittings
- Designed for Tough Aggregate Handling
- Positive Seal of Material
- Seals Protected from Abrasion
- Accurate Metering of Material with Optional Metering Controls
- Easy Installation and Maintenance



#### Valve Specifications

<b>Size/Bore Options</b>	6" to 40", Square, Rectangular, or Round
<b>Media</b>	Aggregates, Granulars
<b>Connection Options</b>	ANSI 150LB, DIN/PN10/PN40, JIS/10K, Custom Flanges Square or Rectangular
<b>Media Temperature</b>	Up to 180°F continuous to 250°F intermittent service, Modifications allow up to 500°F continuous to 580°F intermittent service.
<b>Media Pressure</b>	0 PSIG, Gravity Flow Only
<b>Metal Construction Options</b>	304 Stainless Steel, Carbon Steel, and/or Abrasion Resistant Carbon Steel
<b>Seal/Seat Material Options</b>	Nylon, PET, Glass Filled Teflon, Carbon Steel
<b>Drive/Actuation Options</b>	Double Acting Air Cylinder and Solenoid Operated Air Control Valve, Electric Actuator, Hydraulic, Hand Wheel, or Chainwheel
<b>Position Confirmation</b>	Magnetic Reed Switch, Proximity Switch, Mechanical Switch
<b>Compliance/Approvals</b>	CE, ATEX
<b>Industry Use</b>	Plastics, Petrochemicals, Chemicals, Minerals, Textiles, Agriculture



#### Application Specific Modifications

<b>SC</b>	Slide Blade and frame are 304 stainless steel. Rollers are 440 stainless steel and roller stud bolts are 304 or 18-8 stainless steel.
<b>MG</b>	Air cylinder has a magnetic ring which activates a magnetic reed position indicating switch.
<b>HT3</b>	Modifications are made allowing 250°F continuous to 580°F intermittent service.
<b>HT4</b>	Modifications are made allowing 400°F continuous to 450°F intermittent service.
<b>HT6</b>	Modifications are made allowing 500°F continuous to 580°F intermittent service.
<b>AR</b>	Slide Blade is made of AR plate for handling more abrasive materials.
<b>DS</b>	The dust seal will help to eliminate or reduce dusting to atmosphere. The Enhanced Bonnet Seal option would be preferred for handling rocks with dust present.