



# Valves

## Handling the world's dry bulk solids®

### VORTEX® DUAL CYLINDER ROLLER GATE™

The Vortex® Dual Cylinder Roller Gate™ offers quality features at an economical price. This gate is your best choice for handling dry material in gravity flow applications where positive material shut-off and dust tight sealing are required in compact locations. The Vortex® Dual Cylinder Roller Gate™ is available in a wide variety of configurations, including rectangular sizes and round inlet/outlet transitions.

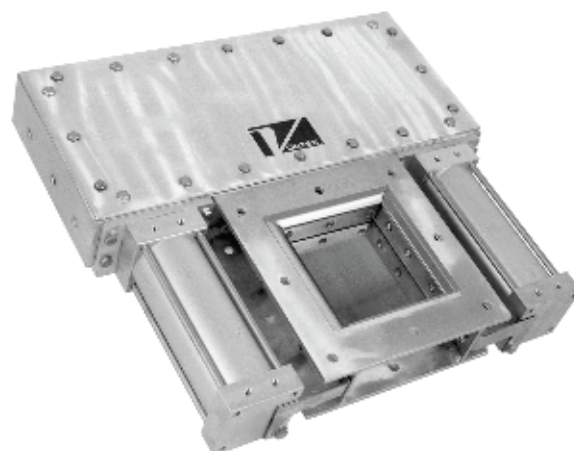
#### Vortex® Dual Cylinder Roller Gate™ Features

- Narrow Profile
- 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

<b>Size/Bore Options</b>	6" to 30" Square, Round, or Rectangular
<b>Media</b>	Powder, Pellets, Granulars
<b>Connection Options</b>	SVC Flange, CEMA Flange, and/or Custom Flanges
<b>Media Temperature</b>	Up to 180°F continuous to 250°F intermittent service, Modifications allow up to 400°F continuous to 450°F intermittent service.
<b>Media Pressure</b>	0 PSIG, Gravity Flow Only
<b>Metal Construction Options</b>	304 or 316L Stainless Steel, Aluminum, and/or Carbon Steel
<b>Seal/Seat Material Options</b>	Nylon, PET, UHMW, Glass Filled Teflon, Rubber, and/or Silicon
<b>Drive/Actuation Options</b>	Double Acting Air Cylinder and Solenoid Operated Air Control Valve
<b>Position Confirmation</b>	Magnetic Reed Switch, Proximity Switch, or Mechanical Switch
<b>Compliance/Approvals</b>	CE, ATEX, FDA
<b>Industry Use</b>	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture



#### Application Specific Modifications

<b>S</b>	Material contact is 316L stainless steel.
<b>MG</b>	Air cylinder has a magnetic ring which activates a magnetic reed position indicating switch.
<b>HS</b>	Hardened steel rollers replace standard nylon rollers and bonnet seal protector is installed.
<b>HT3</b>	Modifications are made allowing 250°F continuous to 300°F intermittent service.
<b>HT4</b>	Modifications are made allowing up to 400°F continuous to 450°F intermittent service.
<b>WS1</b>	Slide Blade is electro-polished. Polyethylene Terephthalate (PET) pressure plate seals are used to replace nylon.
<b>SB</b>	Bonnet is manufactured with solid, gasket covers. (Allows the valve to accept air purge.)
<b>RS</b>	Access ports are provided for removing worn bonnet seals.