



# 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.

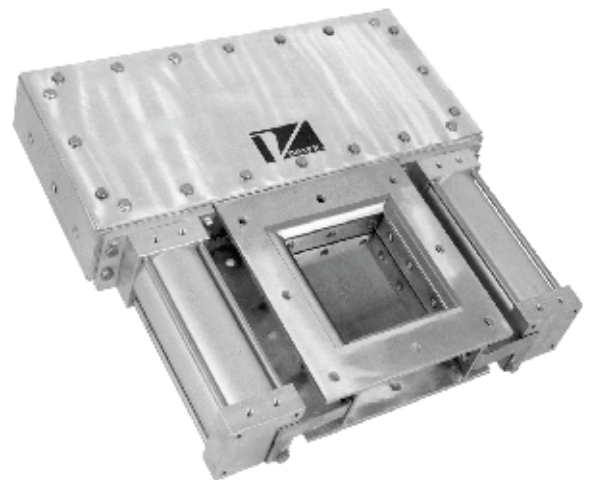
### Vortex® Dual Cylinder Roller Gate™ Features

- 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

Size/Bore Options	150mm to 750mm Square, Round, or Rectangular
Media	Powder, Pellets, Granulars
Connection Options	SVC Flange, CEMA Flange, and/or Custom Flanges
Media Temperature	Up to 82°C continuous to 121°C intermittent service, Modifications allow up to 204°C continuous to 232°C intermittent service.
Media Pressure	0 barg, Gravity Flow Only
Metal Construction Options	304 or 316L Stainless Steel, Aluminium, and/or Carbon Steel
Seal/Seat Material Options	Nylon, PET, UHMW, Glass Filled Teflon, Rubber, and/or Silicon
Drive/Actuation Options	Double Acting Air Cylinder and Solenoid Operated Air Control Valve.
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.
HS	Hardened steel rollers replace standard nylon rollers and bonnet seal protector is installed.
HT3	Modifications are made allowing 121°C continuous to 149°C intermittent service.
HT4	Modifications are made allowing up to 204°C continuous to 232°C intermittent service.
WS1	Slide Blade is electro-polished. Polyethylene Terephthalate (PET) pressure plate seals are used to replace nylon.
SB	Bonnet is manufactured with solid, gasket covers. (Allows the valve to accept air purge.)
RS	Access ports are provided for removing worn bonnet seals.