VORTEX® ROLLER GATE™

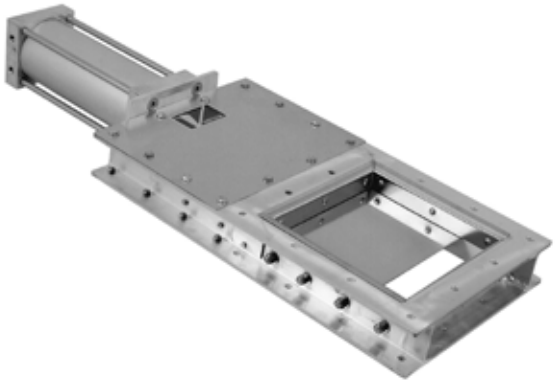
The Vortex® Roller Gate™ offers quality features at an economical price. This gate is the best choice for handling dry material in gravity flow applications where positive material shut-off and dust tight sealing are required in compact locations. The Vortex® Roller Gate™ is available in a wide variety of configurations to meet customer requirements, including rectangular sizes and customer specific hole patterns.

Vortex® Roller Gate™ Features

- Narrow Profile
- Positive Seal of Dust and Fine Powders
- Seals and Cam Adjustable Nylon Rollers Protected from Abrasion
- Accurate Metering of Material with Optional Metering Controls
- Seal Access Ports for In-Line Seal Replacement
- Air Cylinder Model Includes Magnetic Piston

Valve Specifications

Size/Bore Options	6" to 30" and larger in Square or Rectangular sizes
Media	Powder, Pellets, Granulars
Connection Options	SVC Flange, CEMA Flange, and/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 barg, Gravity Flow Only
Metal Construction Options	Aluminium, 304 or 316L Stainless Steel, and Carbon Steel. Material contact is 304 or 316L Stainless Steel
Seal/Seat Material Options	Nylon, PET, UHMW, Glass Filled Teflon, Natural Rubber, and/or Silicon Rubber
Drive/Actuation Options	Double Acting Air Cylinder and Solenoid Operated Air Control Valve, Electric Actuator, Hydraulic Actuator, Hand Crank, or Chain Wheel
Position Confirmation	Magnetic Reed, Proximity, or Mechanical Limit Switches
Compliance/Approvals	CE, ATEX, FDA
Industry Use	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture



Application Specific Modifications

S	Material contact is 316L stainless steel.
HS	Hardened steel cam rollers replace standard nylon cam rollers.
HT3	Modifications are made allowing 250°F continuous to 300°F intermittent service.
HT4	Modifications are made allowing up to 400°F continuous to 450°F intermittent service.
WS1	Slide blade is electro-polished. Polyethylene Terephthalate (PET) dust seals are used to replace nylon.
SB	Bonnet is manufactured with solid covers and has a gasket. (Allows the valve to accept air purge.)