



Valves

Handling the world's dry bulk solids®

VORTEX® MAINTENANCE GATE™

The Vortex® Maintenance Gate offers quality features at an economical price. This gate is the best choice when material needs to be positively isolated in a hopper or silo, while maintenance is being performed on equipment below. In the open position, the Vortex® Maintenance Gate positively seals conveying air to atmosphere. Available in a wide variety of configurations, including round inlet/outlet transitions, the Maintenance Gate is your best insurance policy against equipment failure.

Vortex® Maintenance Gate Features

- Self-Cleaning Action on Closure, No Material Build-Up
- Positive Seal Across the Valve to Atmosphere
- Live-Loaded, Wear Compensating Seals
- Narrow Profile
- Easy Installation and Maintenance



Valve Specifications

Size/Bore Options	6", 8", 10", 12", 14" and 16" Round or Square
Media	Powder, Pellets, Granulars
Connection Options	SVC 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	Up to 15 psig, -0.1 MPa +0.1 MPa, 1 barg depending on size
Metal Construction Options	304 or 316L Stainless Steel, Aluminum, and/or Carbon Steel
Seal/Seat Material Options	Nylon, PET, UHMW, Glass Filled Teflon, Natural Rubber, and/or Silicon Rubber
Drive/Actuation Options	Hand Crank
Position Confirmation	Visual Indication, Proximity 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 (MSC only).
SC	Slide Blade and gate liner are made of 304 stainless steel (MRC models only).
S-SC	Slide Blade and gate liner are made of 316L stainless steel (MRC models only).
HT4	Modifications are made allowing 400°F continuous to 450°F intermittent service.
WS	Slide Blade is electro-polished. Polyethylene Terephthalate (PET) seals are used to replace nylon.