



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.

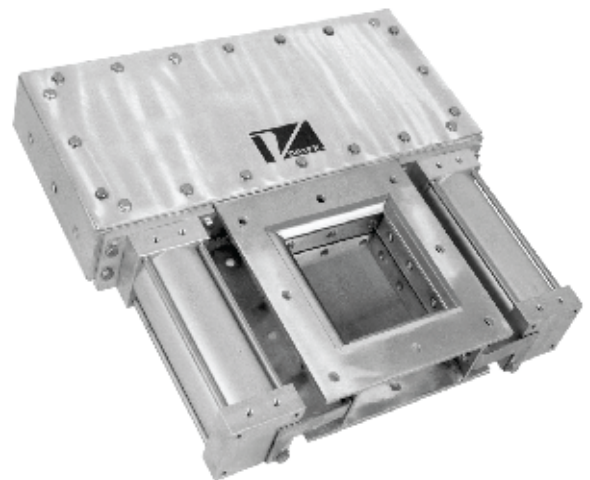
Vortex® Dual Cylinder Roller Gate™ Features

- 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

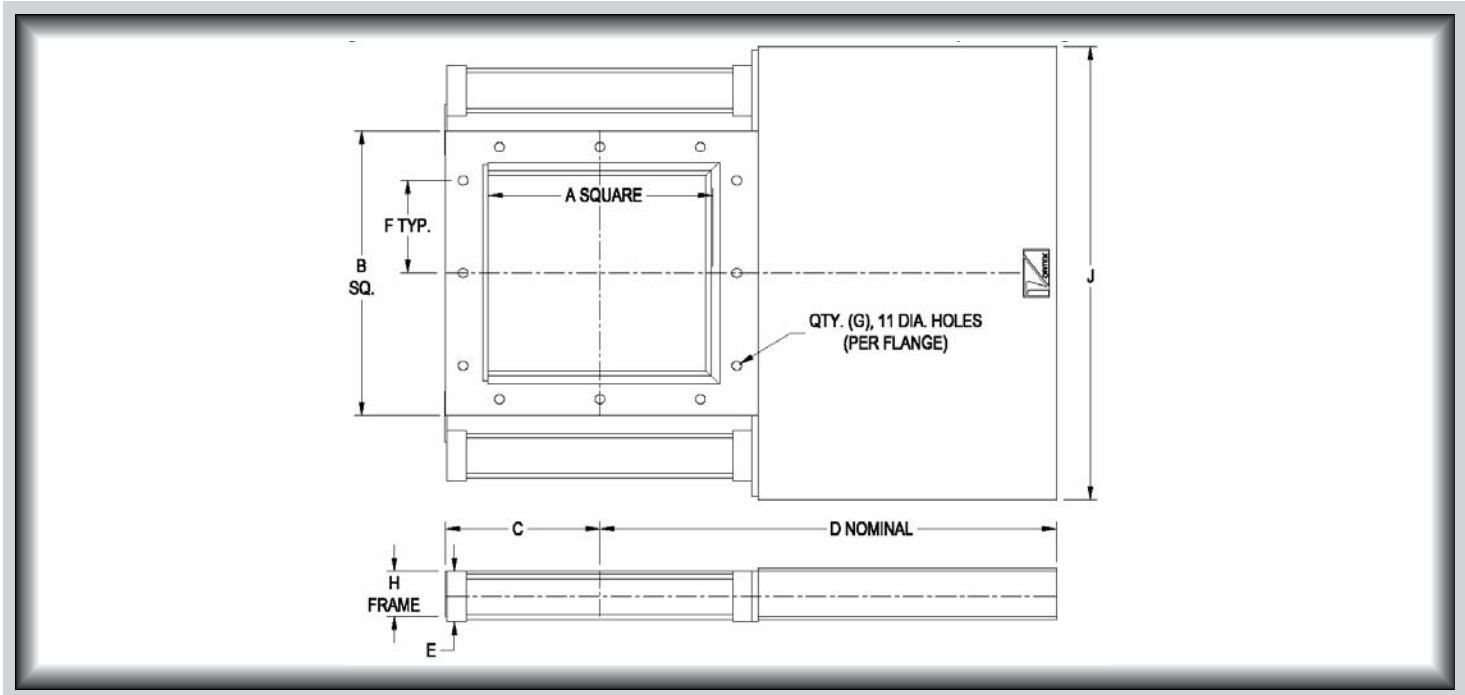


Application Specific Modifications

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.



VORTEX® DUAL CYLINDER ROLLER GATE™ DIMENSIONAL INFORMATION



Model	A	B	C	D	E	F	G	H	J	WT (kg)
SD150	152	254	127	371	86	105	8	76	540	18
SD200	203	305	152	448	86	89	12	76	591	20
SD250	254	356	178	524	86	114	12	76	641	23
SD300	305	406	203	600	86	70	20	76	692	27
SD350	356	457	229	676	86	83	20	76	743	29
SD400	406	508	270	768	105	95	20	76	832	36
SD450	457	559	295	845	105	108	20	76	883	41
SD500	508	610	321	921	105	76	28	76	933	48
SD550	559	660	346	997	105	89	28	76	984	52
SD600	610	737	368	1089	130	95	28	102	1124	57
SD750	762	889	445	1318	130	92	36	102	1276	79

All dimensions are in mm, Information subject to change without notice.