



Valves

Handling the world's dry bulk solids®

VORTEX® MAINTENANCE GATE™

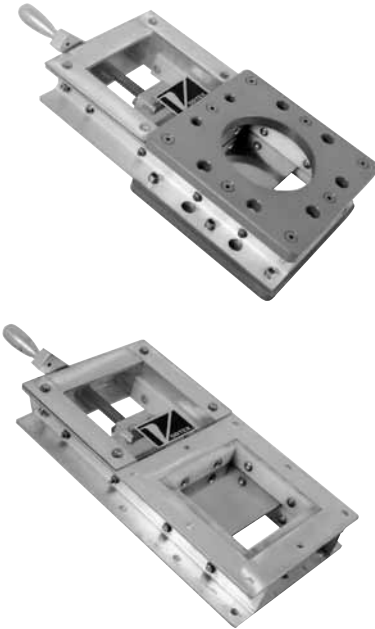
The Vortex® Maintenance Gate™ offers quality features at an economical price. This gate is the best choice when material needs to be positively isolated in a hopper or silo, while maintenance is being performed on equipment below. In the open position, the Vortex® Maintenance Gate™ positively seals conveying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



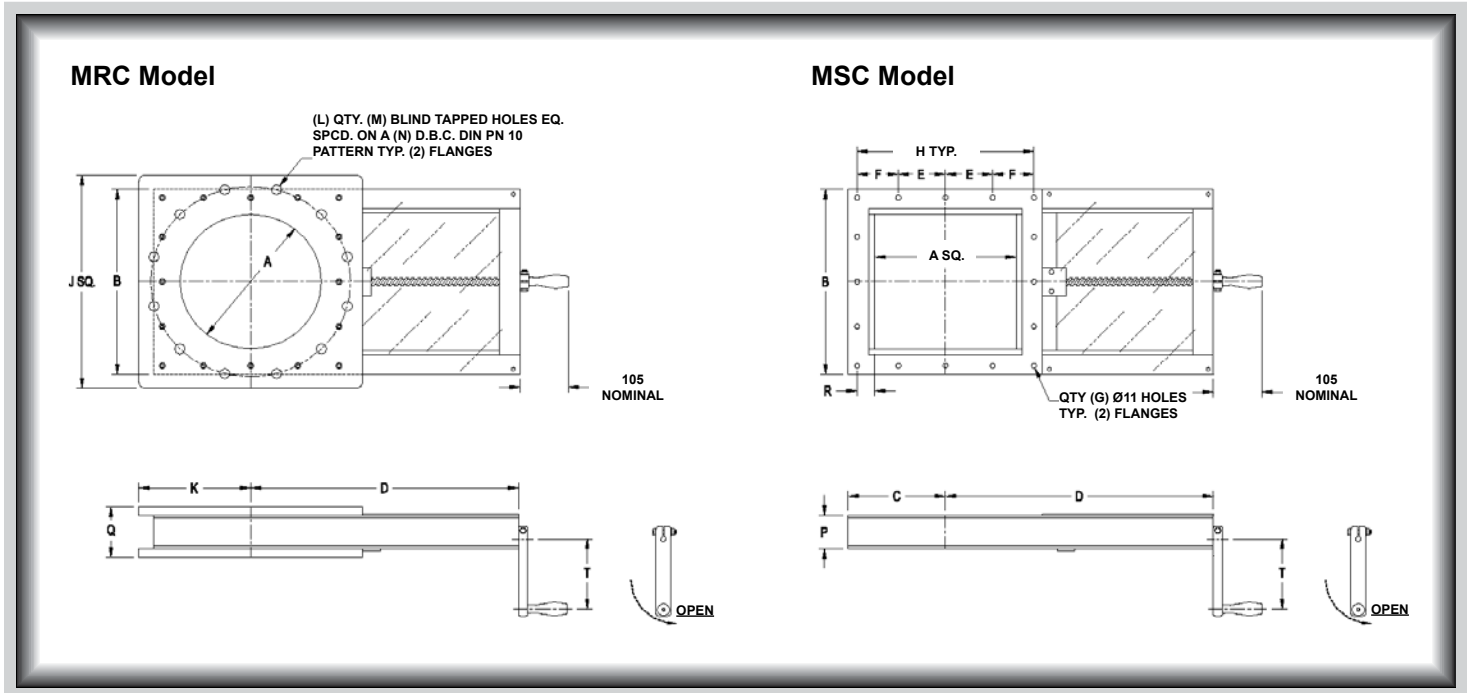
Valve Specifications	
Size/Bore Options	150mm to 450mm Round or Square
Media	Powder, Pellets, Granulars
Connection Options	SVC Flange, ANSI, DIN, JIS, or Custom Flanges
Media Temperature	Up to 82°C continuous to 121°C intermittent service, Modifications allow up to 204°C continuous to 232°C intermittent service
Media Pressure	Up to 15 psig, -0.1 MPa +0.1 MPa, 1 barg depending on size
Metal Construction Options	304 or 316L Stainless Steel, Aluminium, 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 204°C continuous to 232°C intermittent service.
WS	Slide blade is electro-polished. Polyethylene Terephthalate (PET) seals are used to replace nylon.



VORTEX® MAINTENANCE GATE™ DIMENSIONAL INFORMATION



Model	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	T	WT (kg)	
																		MSC	MRC
150	152	267	133	349	114	--	8	229	279	140	8	M20 x 2.5	240	76	114	38	108	7	34
200	203	318	159	425	140	--	8	279	343	171	8	M20 x 2.5	295	76	114	38	108	10	37
250	254	368	184	502	83	--	16	330	406	203	12	M20 x 2.5	350	76	114	38	159	14	45
300	305	419	210	578	102	89	16	381	483	241	12	M20 x 2.5	400	76	114	38	159	16	59
350	356	470	235	654	108	--	16	432	533	267	16	M20 x 2.5	460	76	114	38	159	19	75
400	406	546	273	730	121	--	16	483	597	298	16	M24 x 3.0	515	102	140	38	210	22	91
450	457	597	298	806	133	--	16	533	635	318	20	M24 x 3.0	565	102	140	38	260	27	97

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