



# 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

<b>Size/Bore Options</b>	150mm to 450mm Round or Square
<b>Media</b>	Powder, Pellets, Granulars
<b>Connection Options</b>	SVC Flange, ANSI, DIN, JIS, or Custom Flanges
<b>Media Temperature</b>	Up to 82°C continuous to 121°C intermittent service, Modifications allow up to 204°C continuous to 232°C intermittent service
<b>Media Pressure</b>	Up to 15 psig, -0.1 MPa +0.1 MPa, 1 barg depending on size
<b>Metal Construction Options</b>	304 or 316L Stainless Steel, Aluminium, and/or Carbon Steel
<b>Seal/Seat Material Options</b>	Nylon, PET, UHMW, Glass Filled Teflon, Natural Rubber, and/or Silicon Rubber
<b>Drive/Actuation Options</b>	Hand Crank
<b>Position Confirmation</b>	Visual Indication, Proximity Switch
<b>Compliance/Approvals</b>	CE, ATEX, FDA
<b>Industry Use</b>	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture

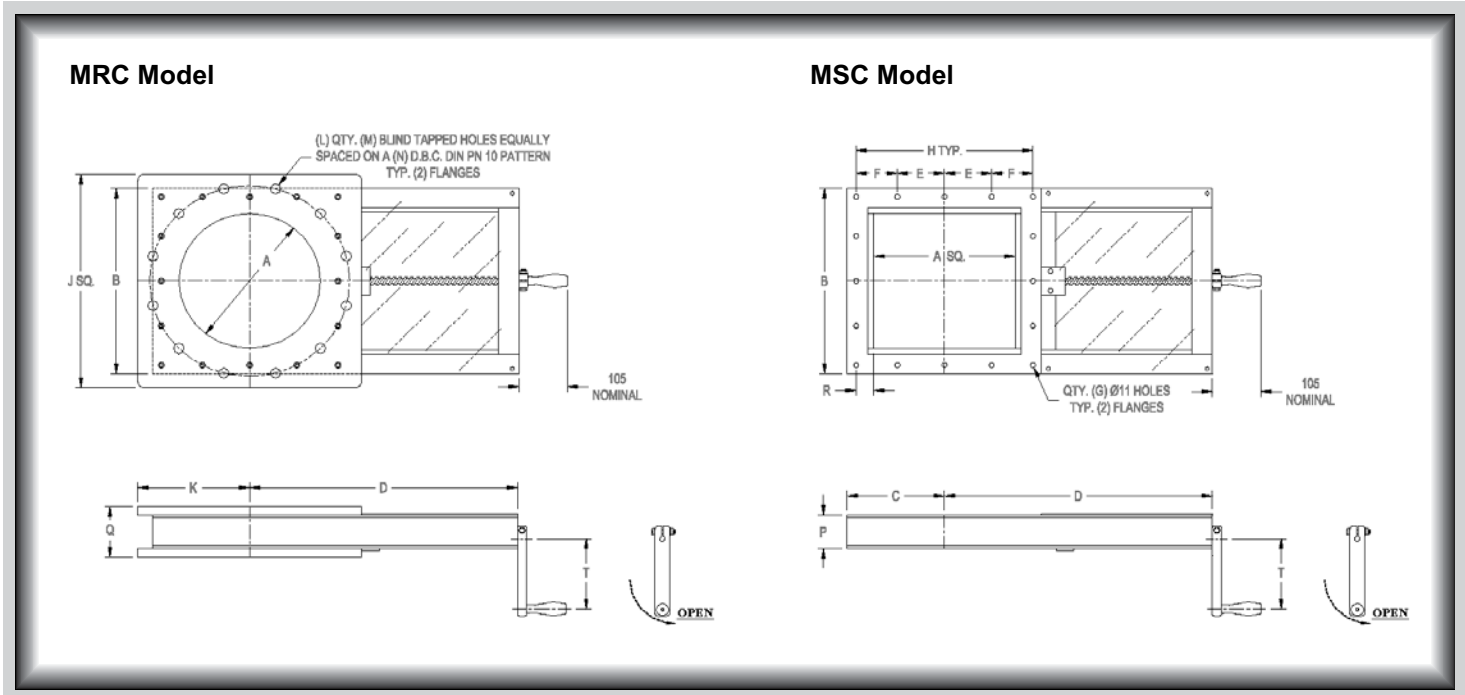


### Application Specific Modifications

<b>S</b>	Material contact is 316L stainless steel (MSC only).
<b>SC</b>	Slide Blade and gate liner are made of 304 stainless steel (MRC models only).
<b>S-SC</b>	Slide Blade and gate liner are made of 316L stainless steel (MRC models only).
<b>HT4</b>	Modifications are made allowing 204°C continuous to 232°C intermittent service.
<b>WS</b>	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.