



# Valves

Handling the world's dry bulk solids®

## VORTEX® 3-WAY SEAL TITE™ DIVERTER

The patented Vortex® 3-Way Seal Tite™ Diverter is designed for use in gravity flow applications where material can be diverter from one source to either of three destinations. The Seal Tite™ Diverter offers a removable access door for replacement of blade and shaft seals. All internal ledges have been eliminated to promote cleanliness. The Seal Tite™ Diverter's superior design promotes efficiency, durability, and long service life.

### Vortex® 3-Way Seal Tite™ Diverter Features

- Positive Seal of Dust and Fine Powders
- Seals Protected from Abrasion
- Access Door for Internal Inspection, Cleaning, or Maintenance
- Easy Installation and Maintenance
- Air Cylinder Model Includes Magnetic Piston



### Valve Specifications

Size/Bore Options	100mm to 450mm Diameter Round, Square, or Rectangular
Media	Powder, Pellets, Granulars
Connection Options	SVC Standard 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	0 barg, Gravity Flow Only
Metal Construction Options	304 or 316L Stainless Steel, and/or Carbon Steel
Seal/Seat Material Options	PET, UHMW, Natural Rubber, Kryptane, and/or Silicon Rubber
Drive/Actuation Options	Double Acting Air Cylinder with Solenoid Operated Air Control Valve, Electric Actuator, or Hand Lever
Position Confirmation	Magnetic Reed Switch, Proximity Switch, or Mechanical Switch
Compliance/Approvals	CE, ATEX, FDA
Industry Use	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture



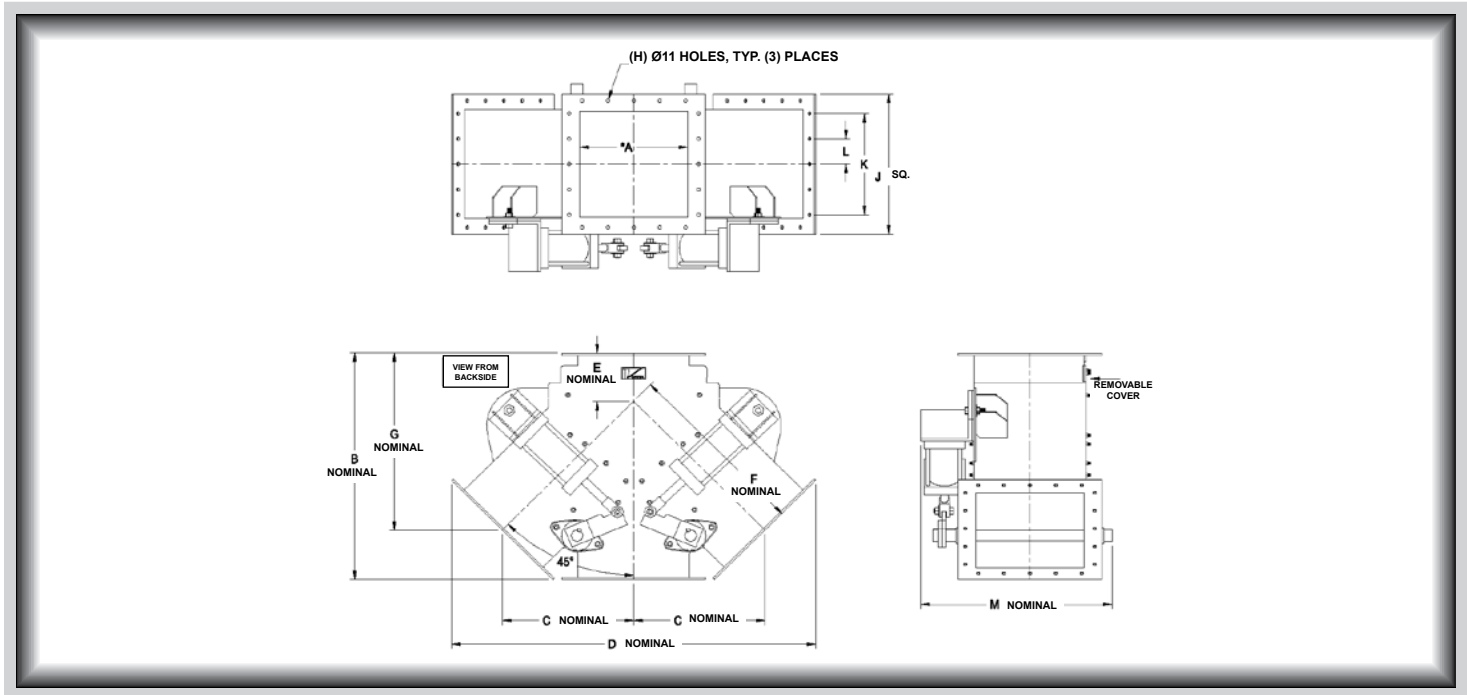
Patent No. 7290566

### Application Specific Modifications

S	Material contact is 316L stainless steel.
HT3	Modifications are made allowing up to 121°C continuous to 149°C intermittent service.
HT4	Modifications are made allowing up to 204°C continuous to 232°C intermittent service.
CIP	A special access panel and fasteners that allow for quicker access to the interior of the valve for inspection, cleaning or sanitation.
RT	Round transitions with SVC bolthole pattern are mounted to the inlet and two outlets of the valve.
RTP	Round transitions with ANSI, DIN, or JIS bolt hole pattern are mounted to the inlet and two outlets of the valve.
45 / 30	The angle the outlets are offset (45 or 30) degrees.
KS	Kryptane blade seal for more abrasive materials.



## VORTEX® 3-WAY SEAL TITE™ DIVERTER DIMENSIONAL INFORMATION



Model	A	B	C	D	E	F	G	H	J	K	L	M	WT (kg)
Z100-3XX-45	102	387	203	549	114	289	314	8	203	159	79	305	45
Z150-3XX-45	152	457	248	676	121	349	368	8	254	184	105	349	68
Z200-3XX-45	203	533	292	800	133	413	425	12	305	260	89	375	91
Z250-3XX-45	254	584	330	911	127	467	457	12	356	311	114	451	114
Z300-3XX-45	305	660	375	1038	140	530	518	20	406	362	70	502	136
Z350-3XX-45	356	737	419	1162	156	594	575	20	457	413	83	610	204
Z400-3XX-45	406	826	470	1299	178	664	645	20	508	464	95	660	238
Z450-3XX-45	457	914	521	1435	197	737	718	20	559	514	108	711	272

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

\* Less material thickness.