



Valves

Handling the world's dry bulk solids®

VORTEX® GRAVITY VEE DIVERTER™

The Vortex, Gravity Vee Diverter™ is designed for diversity when diverting the flow of dry bulk solids in a gravity flow conveying system. The design allows for material flow through both outlets simultaneously, one outlet at a time, or a complete shut-off of flow. The Gravity Vee Diverter™ is also capable of metering flow in both or either direction. The Gravity Vee Diverter™ is designed to eliminate problems, enabling you to meet your objectives by increasing production, while decreasing labor and equipment costs.

Vortex® Gravity Vee Diverter™ Features

- 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 450mm Diameter Round, Square, or Rectangular
Media	Powder, Pellets, Granulars
Connection Options	SVC Standard Flange, ANSI, DIN, JIS, Custom Flanges
Media Temperature	Up to 82°C continuous to 121°C intermittent service, Modifications allow up to 121°C continuous to 149°C intermittent service
Media Pressure	0 barg, Gravity Flow Only
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	Double Acting Air Cylinder with Solenoid Operated Air Control Valve, Electric Actuator, or Hand Wheel
Position Confirmation	Magnetic Reed Switch, Proximity Switch, or Mechanical Switch
Compliance/Approvals	CE, ATEX, FDA
Industry Use	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture

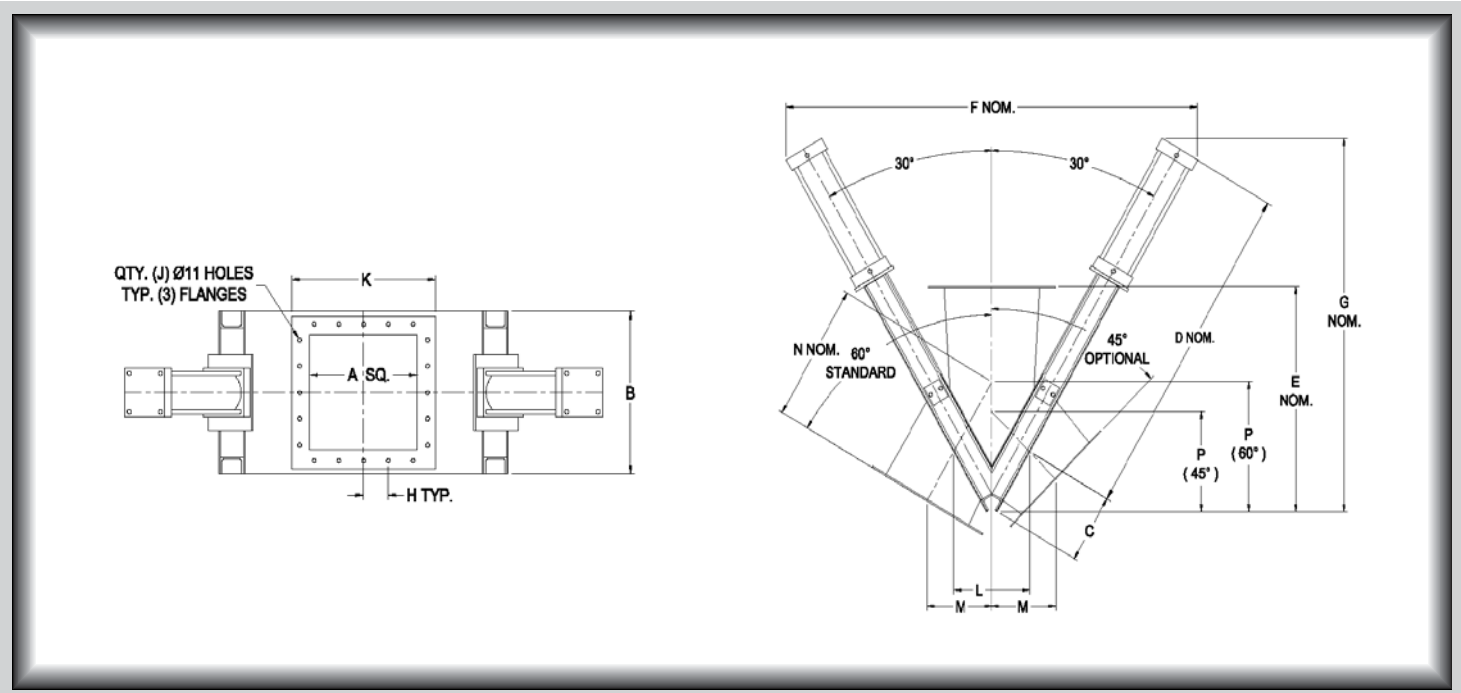


Application Specific Modifications

S	Material contact is 316L stainless steel.
MG	Air cylinder has a magnetic ring which activates a magnetic reed position indicating switch.
WS1	Slide Blade is electro-polished. Polyethylene Terephthalate (PET) dust seals replace Nylon.
HT3	Modifications are made allowing 121°C continuous to 149°C intermittent service.
HT4	Modifications are made allowing 204°C continuous to 232°C intermittent service.
HS	Hardened steel rollers replace standard nylon rollers.
SB	Bonnet is manufactured with solid, gasket covers. (Allows the valve to accept air purge.)
AD	Modifications are made to handle medium abrasive products. Includes flow deflector and 5mm 304 stainless steel blade.



VORTEX® GRAVITY VEE DIVERTER™ DIMENSIONAL INFORMATION



Model	A	B	C	D	E	F	G	H	J	K	L	M (60°)	M (45°)	N (60°)	N (45°)	P (60°)	P (45°)	WT (kg)
V150-2(XX*) S-60-NR	152	279	133	645	441	835	718	105	8	254	165	146	149	292	213	260	200	63
V200-2(XX*) S-60-NR	203	330	159	772	530	987	864	89	12	305	191	162	168	324	235	305	235	77
V250-2(XX*) S-60-NR	254	381	184	899	610	1140	991	114	12	356	216	187	191	375	267	349	270	91
V300-2(XX*) S-60-NR	305	432	210	1026	679	1292	1124	70	20	406	241	208	206	416	289	391	305	104
V350-2(XX*) S-60-NR	356	483	235	1153	784	1445	1257	83	20	457	267	230	233	460	330	435	340	118
V400-2(XX*) S-60-NR	406	533	260	1280	899	1600	1372	95	20	508	295	237	241	397	340	483	375	131
V450-2(XX*) S-60-NR	457	584	286	1407	940	1775	1524	108	20	559	321	275	259	549	365	524	406	145

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

*(XX) Material of construction, aluminum (AL), carbon steel (CS), or stainless steel (SS).