



# Valves

Handling the world's dry bulk solids®

## VORTEX® ABRASIVE DUTY DIVERTER™

The Vortex® Abrasive Duty Diverter™ is designed to meet the demanding applications associated with handling material such as sand, gravel, whole grains, and coal. This diverter has been engineered to address the problems associated with typical aggregate or “bucket” diverters. The removable access door and abrasion resistant wear liners allow for a “maintenance friendly” diverter. The Abrasive Duty Diverter™ is designed to eliminate problems, enabling you to meet your objectives by increasing production, while decreasing labour and equipment costs.

### Vortex® Abrasive Duty Diverter™ Features

- Heavy Duty Construction
- Seals and Body Protected from Abrasion
- Access Door for Internal Inspection, Cleaning, or Maintenance
- Easy Installation and Maintenance



### Valve Specifications

<b>Size/Bore Options</b>	150mm to 600mm Diameter Round, Square, or Rectangular
<b>Media</b>	Abrasives, Granulars
<b>Connection Options</b>	SVC Standard 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>	0 barg, Gravity Flow Only
<b>Metal Construction Options</b>	304 or 316L Stainless Steel, and/or Carbon Steel
<b>Seal/Seat Material Options</b>	Nylon, PET, UHMW, Glass Filled Teflon, Chute Rubber, Belted Rubber, Kryptane, and/or Silicon Rubber
<b>Drive/Actuation Options</b>	Double Acting Air Cylinder with Solenoid Operated Air Control Valve, Electric Actuator, or Hand Lever
<b>Position Confirmation</b>	Magnetic Reed Switch, Proximity Switch, or Mechanical Switch
<b>Compliance/Approvals</b>	CE, ATEX
<b>Industry Use</b>	Plastics, Petrochemicals, Chemicals, Minerals, Textiles, Agriculture

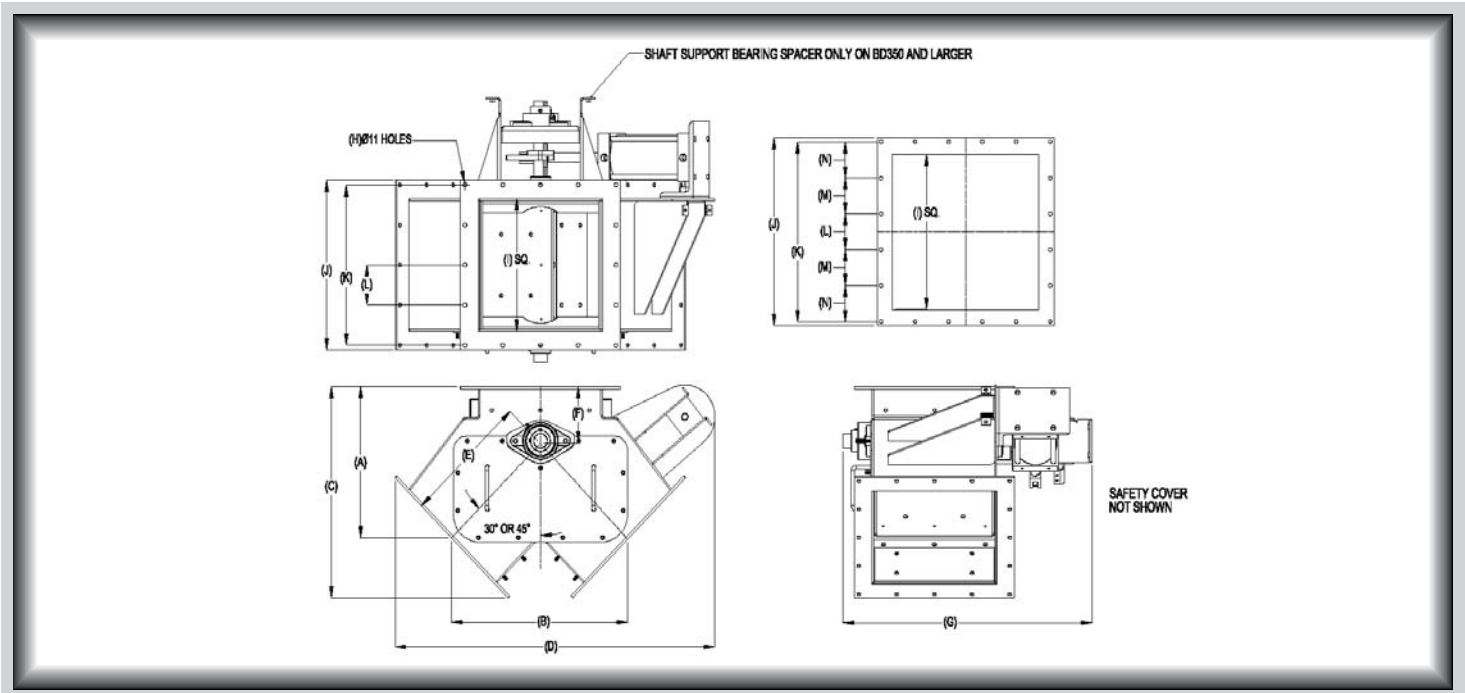


### Application Specific Modifications

<b>45 / 30</b>	The angle the outlets are offset (45 or 30) degrees.
<b>MG</b>	Air cylinder has a magnetic ring which activates a magnetic reed position indicating switch.
<b>HT4</b>	Modifications are made allowing 204°C continuous to 232°C intermittent service.
<b>DP</b>	Carbon steel special service inlet with built-in dead pocket deflector.
<b>PL</b>	Replaceable abrasion resistant polymer liner on bucket legs.
<b>HL</b>	AR400 carbon steel honeycomb liner on bucket legs.
<b>HB</b>	AR400 carbon steel honeycomb liner on bucket.
<b>RT</b>	Round transitions with Vortex Standard flange patterns are mounted to the inlet and two outlets of the valve.
<b>RTP</b>	Round transitions with ANSI, DIN, or JIS flange patterns are mounted to the inlet and two outlets of the valve.



## VORTEX® ABRASIVE DUTY™ DIMENSIONAL INFORMATION



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	WT (kg)
BD150-2CS-45	292	305	381	603	216	140	356	203	143	254	229	114	--	32
BD200-2CS-45	318	356	425	648	251	140	406	203	194	305	279	140	--	45
BD250-2CS-45	343	406	470	772	289	140	457	406	244	356	330	83	--	59
BD300-2CS-45	368	457	511	813	324	140	508	406	295	406	381	95	--	82
BD350-2CS-45	406	508	568	914	359	152	610	406	346	457	432	108	--	109
BD400-2CS-45	432	559	613	991	394	152	762	406	397	508	483	121	--	127
BD450-2CS-45	457	610	654	1092	432	152	813	406	448	559	533	133	--	145
BD500-2CS-45	533	660	759	1178	467	203	889	406	495	635	584	146	--	261
BD550-2CS-45	559	711	800	1251	502	203	921	610	546	686	635	106	105	284
BD600-2CS-45	673	914	937	1476	648	216	1016	610	597	737	686	114	--	318

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