VORTEX® 3-WAY FLEX TUBE DIVERTER™

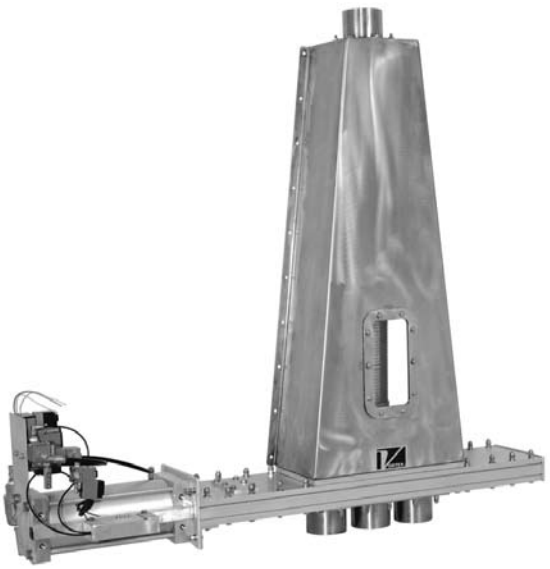
The Vortex® Flex Tube Diverter™ is specifically engineered to handle dry bulk solids in vacuum or dilute phase pneumatic conveying systems up to 15 psig (1 barg). The unique design eliminates material cross contamination by a positive seal across the closed port and the elimination of internal ledges and pockets where material can lodge and remain trapped. A smooth unobstructed transition from inlet to outlet shields the wear compensating seals from abrasion. The Flex Tube Diverter™ is designed to eliminate problems, enabling you to meet your objectives by increasing production, while decreasing labour and equipment costs.

Vortex® Flex Tube Diverter™ Features

- Improves Conveying Efficiency
- Smooth, Unobstructed Bore for Unrestricted Flow of Material
- Seal Protected from Abrasion
- Easy Installation and Maintenance

Valve Specifications

Size/Bore Options	50mm to 200mm Diameters, Pipe or Tube
Media	Powder, Pellets, Granulars
Connection Options	Compression Coupling, 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	-0.1 MPa +0.1 MPa, 1 barg, 15 psig, 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, Rubber, and/or Silicon
Drive/Actuation Options	Double Acting Air Cylinder and Solenoid Operated Air Control Valve, Electric Actuator, or Hand Wheel
Position Confirmation	Magnetic Reed Switch or Proximity Switch
Compliance/Approvals	CE, ATEX, FDA
Industry Use	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture



Application Specific Modifications

FS1	304 Stainless Steel directional flex hose is installed for material to run through the valve from one port to two ports.
FS2	304 Stainless Steel directional flex hose is installed for material to run through the valve from two ports to one port.
S	Material contact is 316L stainless steel.
MG	Air cylinder has a magnetic ring which activates a magnetic reed position indicating switch.
HT3	Modifications are made allowing 121°C continuous to 149°C intermittent service.
SM	Slide Blade is electro-polished. Polyethylene Terephthalate (PET) pressure plate seals replace Nylon.
P1/P4	Utilizing Schedule 10 or Schedule 40 Pipe.

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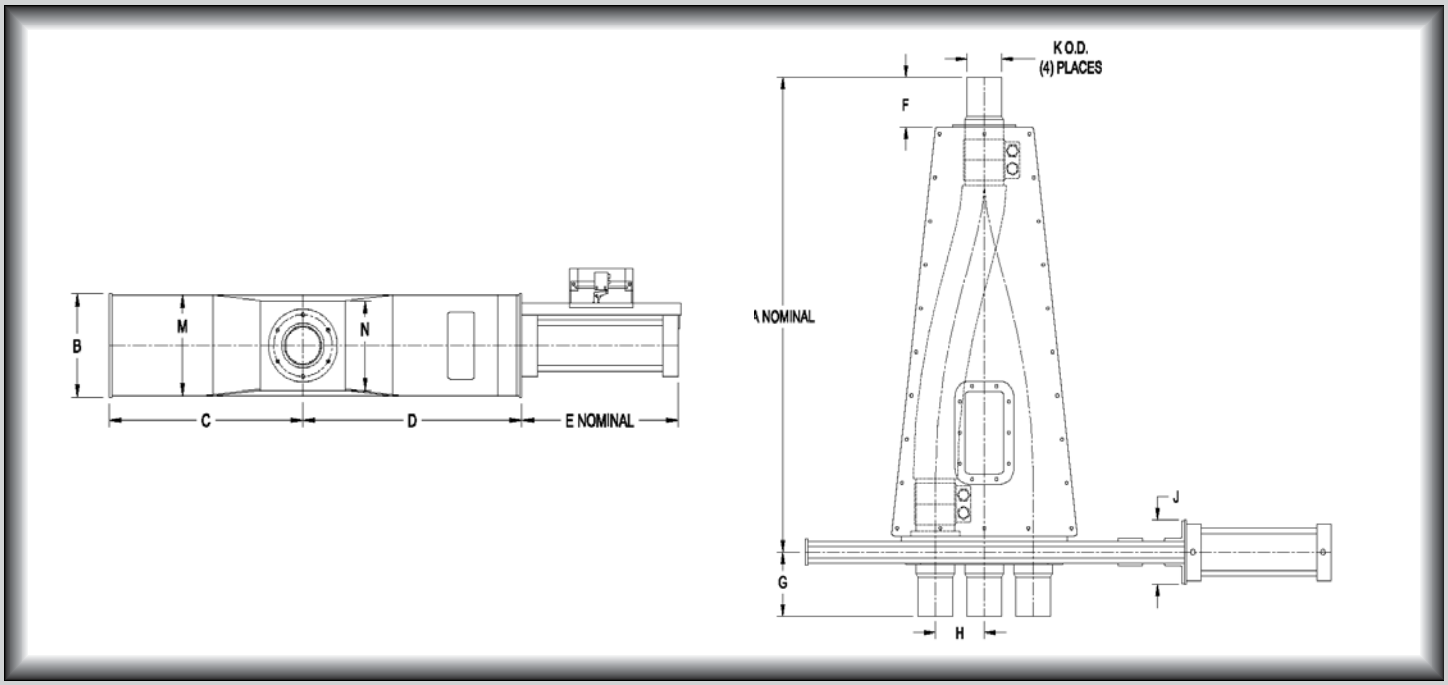
VORTEX® 3-WAY FLEX TUBE DIVERTER™ DIMENSIONAL INFORMATION



MODEL	TUBE SIZE	A	B	C	D	E	F	G	H	J	K	M	N	WT (kg)
T2-3(XX)Y	51	772	184	273	330	248	76	105	64	127	51	184	127	45
T2.5-3(XX)Y	64	921	225	333	403	365	76	133	89	159	64	219	168	59
T3-3(XX)Y	76	889	225	333	403	365	73	108	89	159	76	225	168	59
T4-3(XX)Y	102	1118	229	467	527	375	67	105	127	159	102	229	191	73
T5-3(XX)Y	127	1229	270	537	625	451	92	133	152	184	127	270	232	91
T6-3(XX)Y	152	1829	286	641	705	502	98	130	178	171	152	286	254	118
T8-3(XX)Y	203	2203	337	927	972	657	98	235	254	391	203	356	333	145

MODEL	PIPE SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	WT (kg)
T2-3(XX)Y-P*	51	921	225	333	403	365	76	133	89	159	60	76	219	168	59
T2.5-3(XX)Y-P*	64	921	225	333	403	365	76	133	89	159	73	76	219	168	59
T3-3(XX)Y-P*	76	1178	235	467	527	375	102	156	127	140	89	102	229	178	73
T4-3(XX)Y-P*	102	1257	270	562	625	451	102	162	152	184	114	127	260	232	91
T5-3(XX)Y-P*	127	1549	286	641	705	502	102	156	178	165	141	152	279	254	118
T6-3(XX)Y-P*	152	1873	286	641	705	502	146	**	184	171	168	152	279	254	125
T8-3(XX)Y-P*	203	2305	337	927	972	657	152	241	254	391	219	203	356	333	227

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

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

*Select pipe schedule 10 or 40, note flex tube is O.D. tube.

** - For T6-3(XX)Y-P* the (G) dimension for outside ports is 187mm, (G) dimension for center port is 378mm to allow for Morris couplings.