



# Valves

Handling the world's dry bulk solids®

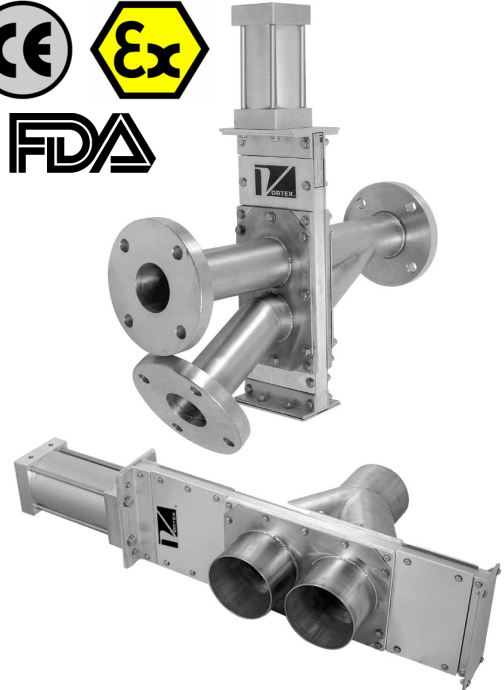


## VORTEX® 2-WAY WYE LINE™ DIVERTER

The patented Vortex® Wye Line Diverter™ is specifically engineered to handle dry bulk solids in vacuum or dilute phase pneumatic conveying systems with pressures up to 1 barg. The Wye Line Diverter™ provides a number of significant advantages over traditional flapper and rotating tunnel style diverters. Trouble spots inherent in these conventional diverters are eliminated with the Wye Line Diverter™, providing superior sealing, low installation weight, fast “in-line” maintenance, and an abrasion resistant design for long-term, reliable service.

### Vortex® Wye Line Diverter Features

- Low Cost Operation
- 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, 75mm, 100mm, 125mm, 150mm, 200mm Diameters, Pipe or Tube
Media	Powder, Pellets, Granulars
Connection Options	ANSI, DIN, JIS, or Compression Couplings
Media Temperature	Modifications can be made to allow up to 200°C continuous to 230° C intermittent service.
Media Pressure	-0.1 MPa +0.1 MPa, (1 barg), (15 psig)
Metal Construction Options	304 or 316L Stainless Steel, Aluminum, 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, Handwheel, or Chainwheel
Position Detection	Magnetic Reed Switch or Proximity Switch
Compliance/Approvals	CE, ATEX, FDA
Industry Use	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture

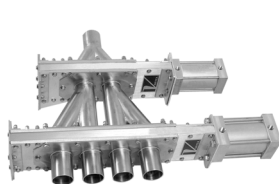
### Application Specific Modifications

S	Material / metal contact is 316L stainless steel.
SL	Diverter has straight through conveying line designed for easier "in line" installation and less system conveying pressure drop when using multiple diverters.
MG	Air cylinder has a magnetic piston, which activates a magnetic reed position indicating switch.
HT3	Modifications are made allowing 120°C continuous to 150°C intermittent service.
HT4	Modifications are made allowing up to 200°C continuous to 230° C intermittent service.
P10	Standard tube size diverters are made with schedule 10 Pipe throughout.
P20	Standard tube size diverters are made with schedule 20 Pipe throughout.
P40	Standard tube size diverters are made with schedule 40 Pipe throughout.
SM	Gate blade is electro-polished. Polyethylene (PET or UHMW) pressure plate seals are used to replace nylon.

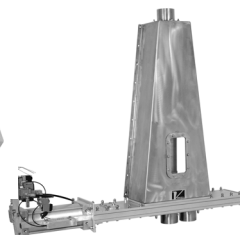
### Additional Diverters Offered By Vortex



Multi-Port Diverter



4-Way Wye Line™ Diverter



Flex Tube™ Diverter



Mainline™ Diverter



Seal Tite™ Diverter

For more information, please visit our website at [www.vortexvalveseurope.com](http://www.vortexvalveseurope.com)