



## VORTEX® QUANTUM™ SERIES 3-WAY WYE LINE DIVERTER™

The Vortex® 3-Way Wye Line Diverter™ is specifically engineered to handle dry bulk solids in vacuum or dilute phase pneumatic conveying systems with pressures up to 15 psig (1 barg). A full flow orifice provides unrestricted conveying of material with no disk or ledges to impede flow. The diverter seat and live-loaded seals are shielded from abrasion by a metal insert, which provides superior shearing action. The Wye Line Diverter™ is designed to eliminate problems, increasing production, while decreasing labor and equipment costs.

### Vortex® Quantum™ Series 3-Way Wye Line Diverter™ Features

- Ability to Shift without Shutting Down Blower
- Improves Conveying Efficiency
- Smooth, Unobstructed Bore for Unrestricted Flow of Material
- Seal Protected from Abrasion
- Easy Installation and Maintenance
- Air Cylinder Model Includes Magnetic Piston



### Valve Specifications

<b>Size/Bore Options</b>	2" to 6" Diameters, Pipe or Tube
<b>Media</b>	Powder, Pellets, Granulars
<b>Connection Options</b>	Compression Coupling
<b>Media Temperature</b>	Up to 180° F continuous to 250° F intermittent service, Modifications allow up to 400° F continuous to 450° F intermittent service
<b>Media Pressure</b>	-0.1 MPa +0.1 MPa, 1 barg, 15 psig, depending on size
<b>Metal Construction Options</b>	304 or 316L Stainless Steel, Aluminum, and/or Carbon Steel
<b>Seal/Seat Material Options</b>	Nylon, PET, UHMW, Glass Filled Teflon, Natural Rubber, and/or Silicon Rubber
<b>Drive/Actuation Options</b>	Double Acting Air Cylinder and Solenoid Operated Air Control Valve
<b>Position Confirmation</b>	Magnetic Reed Switch or Proximity Switch
<b>Compliance/Approvals</b>	CE, ATEX, FDA
<b>Industry Use</b>	Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture



### Application Specific Modifications

<b>S</b>	Material contact is 316L stainless steel.
<b>HT3</b>	Modifications are made allowing 250° F continuous to 300° F intermittent service.
<b>HT4</b>	Modifications are made allowing 400° F continuous to 450° F intermittent service.
<b>P10</b>	Diverter are made with Schedule 10 Pipe.
<b>P40</b>	Diverter are made with Schedule 40 Pipe.
<b>WS1</b>	Slide blade is electro-polished. Polyethylene Terephthalate (PET) pressure plate seals replace Nylon.