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, enabling you to meet your objectives by increasing production, while decreasing labour and equipment costs.

**Vortex® 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

**Valve Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size/Bore Options</td>
<td>50mm to 200mm Diameters, Pipe or Tube</td>
</tr>
<tr>
<td>Media</td>
<td>Powder, Pellets, Granulars</td>
</tr>
<tr>
<td>Connection Options</td>
<td>Compression Coupling</td>
</tr>
<tr>
<td>Media Temperature</td>
<td>Up to 82°C continuous to 121°C intermittent service, Modifications allow up to 204°C continuous to 232°C intermittent service.</td>
</tr>
<tr>
<td>Media Pressure</td>
<td>-0.1 MPa +0.1 MPa, 1 barg, 15 psig, depending on size</td>
</tr>
<tr>
<td>Metal Construction Options</td>
<td>304 or 316L Stainless Steel, Aluminium, and/or Carbon Steel</td>
</tr>
<tr>
<td>Seal/Seat Material Options</td>
<td>Nylon, PET, UHMW, Glass Filled Teflon, Natural Rubber, and/or Silicon Rubber</td>
</tr>
<tr>
<td>Drive/Actuation Options</td>
<td>Double Acting Air Cylinder and Solenoid Operated Air Control Valve</td>
</tr>
<tr>
<td>Position Confirmation</td>
<td>Magnetic Reed Switch or Proximity Switch</td>
</tr>
<tr>
<td>Compliance/Approvals</td>
<td>CE, ATEX, FDA</td>
</tr>
<tr>
<td>Industry Use</td>
<td>Plastics, Petrochemicals, Chemicals, Foods, Minerals, Textiles, Agriculture</td>
</tr>
</tbody>
</table>

**Application Specific Modifications**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Material contact is 316L stainless steel.</td>
</tr>
<tr>
<td>MG</td>
<td>Air cylinder has a magnetic ring which activates a magnetic reed position indicating switch.</td>
</tr>
<tr>
<td>HT3</td>
<td>Modifications are made allowing 121°C continuous to 149°C intermittent service.</td>
</tr>
<tr>
<td>HT4</td>
<td>Modifications are made allowing 204°C continuous to 232°C intermittent service.</td>
</tr>
<tr>
<td>P10</td>
<td>Diversers are made with Schedule 10 Pipe.</td>
</tr>
<tr>
<td>P40</td>
<td>Diversers are made with Schedule 40 Pipe.</td>
</tr>
<tr>
<td>WS1</td>
<td>Slide Blade is electro-polished. Polyethylene Terephthalate (PET) pressure plate seals replace Nylon.</td>
</tr>
</tbody>
</table>
**VORTEX® 3-WAY WYE LINE DIVERTER™ DIMENSIONAL INFORMATION**

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, 20, or 40.

** D6 model has 45° angle.