



# Valves

Handling the world's dry bulk solids®

## VORTEX® FILL PASS DIVERTER™

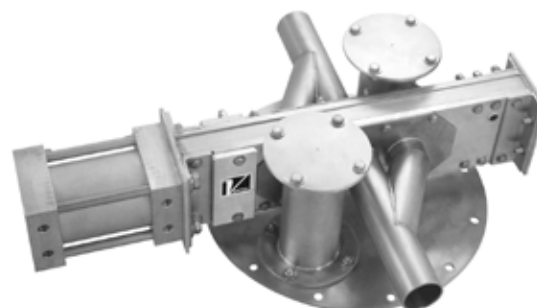
The Vortex® Fill Pass Diverter™ is specifically engineered to handle dry bulk solids in vacuum or dilute phase pneumatic conveying systems with pressures up to 15 psig (1 barg). It provides a versatile and reliable method for filling one or more “in-line” weigh hoppers when material is conveyed pneumatically through a closed loop system. The Fill Pass Diverter™ is designed to eliminate problems, increasing production, while decreasing labor and equipment costs.

### Vortex® Fill Pass Diverter™ Features

- Superior Air/Material Separation
- Improves Weighing Efficiency and Accuracy
- Smooth, Unobstructed Bore for Unrestricted Flow of Material
- Seal Protected from Abrasion
- Ability to Shift without Shutting Down Blower
- Air Cylinder Model Includes Magnetic Piston



Valve Specifications	
Size/Bore Options	2" to 6", Diameters, Pipe or Tube
Media	Powder, Pellets, Granulars
Connection Options	Compression Couplings
Media Temperature	Up to 250°F continuous to 300°F 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, Natural Rubber, and/or Silicon Rubber
Drive/Actuation Options	Double Acting Air Cylinder and Solenoid Operated Air Control Valve
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

S	Material contact is 316L stainless steel.
P1	A standard tube size diverter is modified with pipe size inlets and outlets. The -P1 modification would match schedule 10 pipe.
P4	A standard tube size diverter is modified with pipe size inlets and outlets. The -P4 modification would match schedule 40 pipe.
SM	Slide blade is electro-polished. Polyethylene Terephthalate (PET) pressure plate seals replace Nylon.