Essmueller Turn-head Distributor with Directional Bin Vent System

Dust collectors are effective in evacuating dust-laden air from bins and hoppers. The objective is to reduce density of suspended material to a level that will not support combustion. This function is defeated where bins are connected by spouts from distributors, valves, and elevators. If dust in one structure ignites, open spouts may serve as a “fuse” for a chain reaction in other bins.

The dust collecting system presents a parallel set of spouts, duplicating the problem of uncontrolled flow of dust between bins. Essmueller turn-head inlet and discharge seals are adequate for many installations. For applications where dust must be contained, Essmueller offers a 360° “Full-Seat” assembly to block inactive spouts.

Essmueller’s BY” Directional Bin Vent System, synchronized with the turn-head distributor, eliminates dust collector vents from the active one. The Bin Vent System is available as a model “S” distributor accessory and as an independent unit for a variety of applications.
Essmueller turn-head distributor model "ST" with optional Directional Bin Venting System

**Standard Features**
- Abrasion-resistant turnspout
- Rubber upper seal
- Access panels, turnspout & drive
- Lifting-eyes for installation
- Control stands for manual operation, cable or pipe
- Spout Sizes 6" thru 16"
- Distributor sizes: 6 to 20 outlets
- Discharge & flow-thru angles: 45°, 50°, 60°

**Also Available**
- Larger Sizes
- Flat-back distributors
- Double turn-head distributors

**Optional Features**
- Angle-flanged discharge outlets
- Rubber or urethane liners for turnspout, inlet and discharge outlets
- U.H.M.W. Spring-loaded lower seal
- Stainless steel construction
- 360° turnspout seal
- Electric remote centre panel
- Directional vent system (also available as retrofit kit for existing distributors)
- Explosion-proof electrical components

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