

CB Series Blend-Veyor

Blending and conveying powdered materials from multiple sources? Then Cyclonaire CB Series Blend-Veyors are for you. With Blend-Veyors, you can blend and convey two or more materials in one unit for greater efficiency and less product degradation. These products feature vacuum-loaded, semi-dense phase blending and conveyance with a capacity up to 80 TPH. Blend-Veyors use a single 15 PSI positive displacement blower for vacuum-pressure conveying at low line velocities (<2000-5000 fpm) and high material-to-air ratios (50-20), reducing material degradation and abrasive line wear.

Retrofitable – Easily retrofitted to existing storage for up to eight sources.

Multiple Applications – Designed for a wide variety of applications with blending, batching and conveying all in one unit. Provides proprietary combined blending (two or more materials) with semi-dense phase conveying.

Vacuum-Pressure Conveying at Low Line Velocities (<2000-5000 fpm) – Minimize product degradation and line wear.

No Costly Pits – Designed for low head room scenarios.

Standard

Carbon Steel; Vacuum Load from Material Source; Two (2) Inlets; Vacuum Breaker; Configured for Weighing Applications; Aeration Zones with Dedicated Solenoids; Pressure Switch on Supply Air; Tank Pressure Gauge; Convey Line Pressure Gauge; Silicone VibraPads; Cyclonaire Blue Paint

Standard Options

Up to Eight (8) Inlets; Dribble Flow Valves for Improved Accuracy; 304 Stainless Steel Material Contact; Cyclonaire White Paint; Ceramic Lining on Manifold; Pressure Transmitters; Neoprene VibraPads; Felt Media Pads

Custom Options

Custom Colors/Coatings Available; 316/316L Stainless Steel Material Contact

Boost Productivity and Efficiency



Vacuum Load Cycle

As the load cycle begins, the suction valve opens while the discharge valve is closed. The air pressure generates a vacuum by patented venturi action. As the vacuum increases in the transfer vessel, the separately valved dual inlets open until the desired weight is reached.

Pressure Discharge Cycle

Upon completion of the load/blend cycle, the inlet and suction valves close and the discharge valve opens. The same positive air supply which created the vacuum is used to push the material into the discharge manifold where it is fluidized for semi conveying – minimizing particle degradation, reducing line wear and increasing system efficiency.

Features

- Ideal for powdered, fluidizable abrasive materials
- Standard features include: carbon steel; load cells; NEMA 4 controls and two inlets
- Vacuum or vacuum assisted load via single or multiple inlets from any direction(s)
- 15 PSIG convey air; 90-100 PSIG control air at 3-5 SCFM

Blend and convey in one unit
with our CB Series Blend-Veyors.
Contact sales@cyclonaire.com.

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pneumatic conveying solutions

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