Pureflo

Filterless Vacuum Receiver

Benefits:

- The air/material highest separation efficiency > 99.99%
- Best resistance to abrasion
- No maintenance costs
- No compressed air consumption
- No pressure drops, the highest conveying efficiency
- No clogged lines
- No spare parts
- Simplified use, nothing to maintain
- Reduced overall costs

The PureFlo eliminates the need for ordinary maintenance of the vacuum receiver (filter cleaning) and improves the conveying capacity of the overall system due to lower pressure drop through receiver section.
Vacuum receiver for use with new or existing batch vacuum conveying systems designed with wear-resistant inlet and using filter free material separation. No screen filter required. No maintenance needed.
Conveying system terminal velocity absorbed by impact with RaBend. The material enters chamber with kinetic force dissipated, providing separation as conveying air exits the vacuum receiver traveling to the vacuum pump source.

Una-Dyn
A Piovan Company

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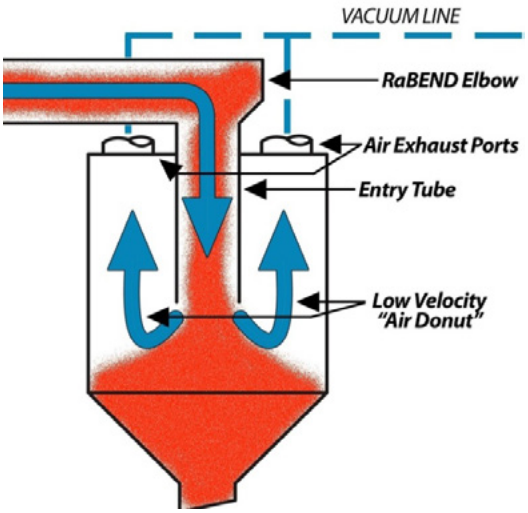
Higher Efficiency

As material enters the PureFlo receiver, the typical 25 meters/second (4920 ft/min) the conveying speed of the pellets are dissipated by the right-angle (RaBend) elbow at the upper material inlet.

The RaBend elbow absorbs the material impact and eliminates any abrasive wear on the receiver body. It directs the flow to the base of the receiver. The granules fall into the receiver body, where they have a residual speed of 1 meter/second (195 ft/min) eliminating material stress, degradation or powder generation.

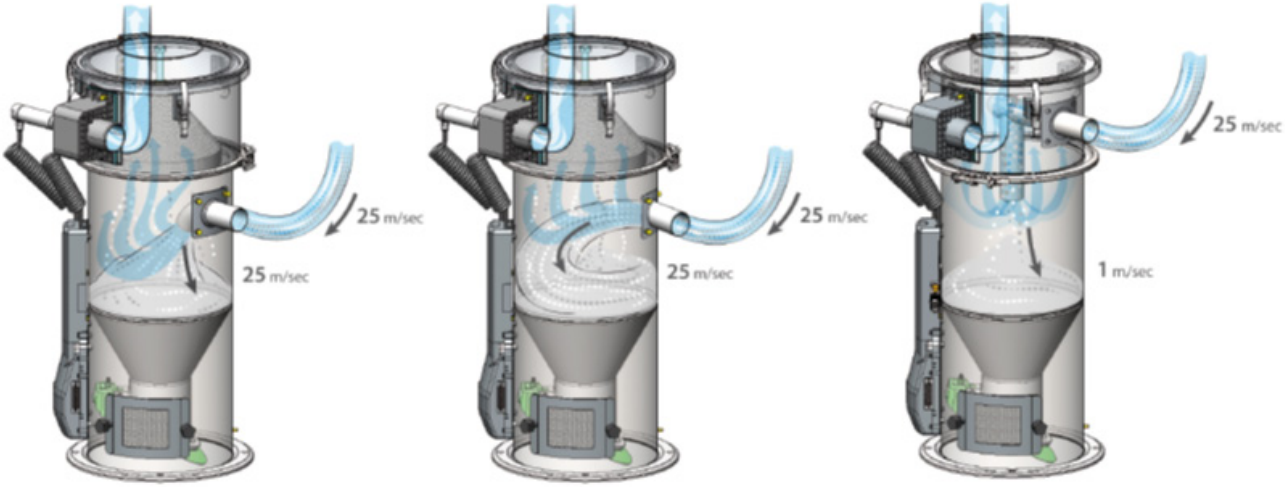
With the air speed exiting the PureFlo receiver outlet at 5% of the material conveying air speed, effective material: air separation occurs.



Right-angle high-wear material inlet with side-mounted sequence valve.

Maintenance free filter less receivers design

- ◊ For surge bin filling
- ◊ Blender filling
- ◊ Drying hopper filling
- ◊ Imm's loading



Radial Inlet | Tangential | PureFlo

Eliminate

- Abrasive wear
- Plugged lines
- Dust problems
- Filter maintenance

Save

- Maintenance costs
- Operating costs
- Installation costs
- Spare parts costs

Improve

- Cleanliness
- Conveying efficiency
- Machine utilization
- Productivity
- Profitability