

APPLICATIONS

Food Processing

- **Bulk Ingredient Transfer:** Efficient transfer between processing stages.
- **Flow Control:** Manages powders, spices, and additives in mixing and blending.
- **Contamination Prevention:**
 - Maintains a seal during material transfer.
- **Accurate Metering:** Ensures precise dosing of ingredients.

Plastics

- **Flow Regulation:** Controls plastic pellets in injection molding or extrusion.
- **Conveyance:** Efficient transfer of plastic powders or granules in pneumatic systems.
- **Material Consistency:** Prevents material loss and maintains pressure.

Cement

- **Raw Material Feeding:** Manages limestone and clay intake for cement production.
- **Discharge Control:** Regulates cement, fly ash, and additives into silos or transport systems.

Rotary Airlock Valves

SPECIFICATIONS

Construction

- **Rugged and Durable:** Designed to withstand demanding industrial environments.
- **High-Quality Materials:** Constructed from cast iron, stainless steel, or aluminum, depending on the application.
- **Precision Machining:** Ensures accurate dimensions and smooth operation.
- **Sealed Design:** Prevents leakage and maintains pressure differentials.



APPLICATIONS

- **Flow Consistency:** Ensures a steady flow of materials during production.

Chemicals

- **Material Transfer:** Efficient transfer of powdered or granular chemicals.
- **Flow Control:** Manages raw materials and additives in mixing and blending.
- **Loading and Unloading:** Facilitates material handling in storage and transport systems.

Pharmaceuticals

- **Accurate Dosing:** Meters active pharmaceutical ingredients (APIs) during formulation.
- **Material Transfer:** Ensures efficient transfer of powders or granules.
- **Controlled Environment:** Maintains sterility and product quality during transfer.

Rotary Airlock Valves

SPECIFICATIONS

Size and Capacity

- **Variety of Sizes:** Available in various sizes to accommodate different flow rates and material volumes.
- **Customizable Options:** Tailored to meet specific application requirements.

Drive System

- **Motorized Drive System:** Ensures reliable and consistent rotor rotation.
- **Drive Mechanism Options:** Includes direct drive, chain drive, or belt drive mechanisms.
- **Variable Speed Drive Capability:** Provides precise control over material flow.

Sealing

- **Air-Tight Sealing:** Ensures no leakage and maintains pressure differentials.
- **Sealing Mechanism Options:** Includes lip seals or gland packing.
- **Durable Sealing Materials:** Abrasion-resistant or replaceable materials extend valve life.



Velocity Controlled RAV.

- **Precise Flow Regulation:** Allows for consistent material feeding and prevents blockages.
- **Optimized Efficiency:** Enhances pneumatic conveying systems by improving material-to-air ratio.
- **Reduced Wear and Tear:** Slower speeds minimize component wear, extending valve lifespan.
- **Cost Savings: Decreases maintenance costs and energy consumption.**