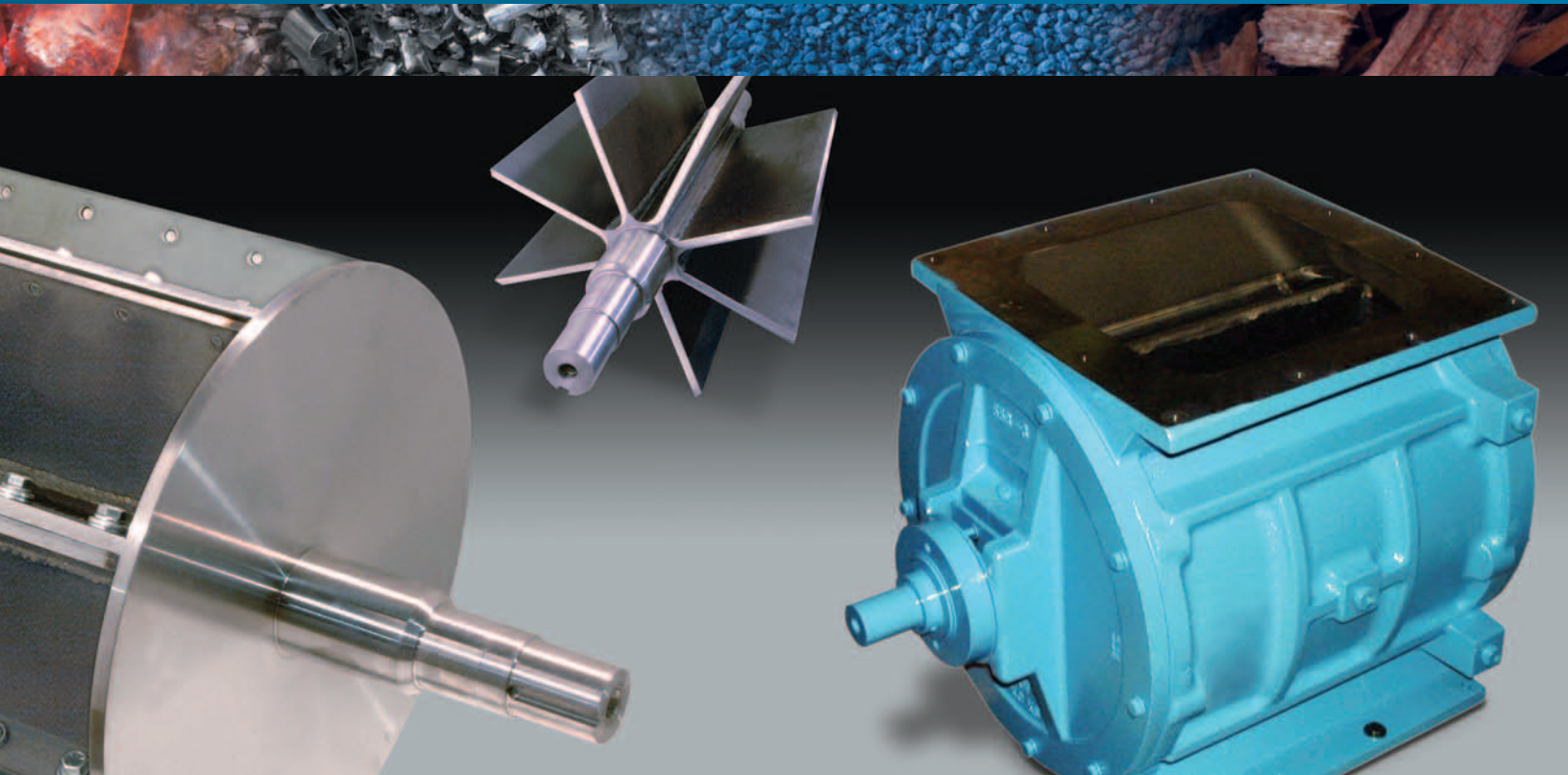


ROTARY AIRLOCK FEEDERS





PNEUMATIC CONVEYING COMPONENTS & SPARE PARTS

SERVICE CENTER

Searching for the right solution? The Smoot Service Center offers a complete line of pneumatic conveying components and spare parts. Our customer service professionals have an average of 10 years in industry application experience, each with the knowledge and expertise necessary to bring top-flight service for an incredible range of products.

Rotary Airlock Valves

Available in various sizes and materials with replacement parts

Blowers and Fans

Complete assemblies as well as replacement units

Diverter

Pneumatic or gravity applications

Valves

Knife and slide gates, ball and butterfly valves

Bin Vents, Filter Receivers, Silos and Accessories

Complete assemblies and parts

Rail Car Accessories

Airlift and manual discharge adapters

Pneumatic Parts and Service

For a complete aftermarket and spare parts catalog please call or visit our web site

STANDARD MODELS

TYPE 1

OUR BASIC AIRLOCK

The Smoot Type 1 is a basic, yet versatile airlock. With a wide range of options and accessories, and multiple sizes in stock, the Type 1 will operate efficiently in your system.



TYPE 2

DESIGNED FOR MORE ABRASIVE PRODUCTS

The Smoot Type 2 airlock is designed to handle moderately abrasive materials. The Type 2 is constructed with a cast iron housing with hard chrome plating on the interior machine surfaces to supply a long lasting, yet economical airlock.



TYPE 5

316 STAINLESS STEEL

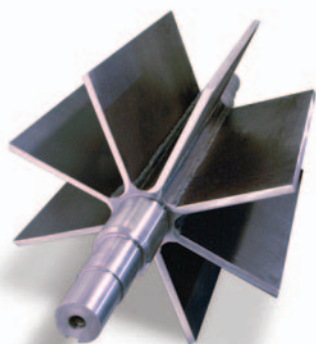
The Smoot Type 5 is constructed with 316 stainless steel, and is designed to handle extremely corrosive materials with ease.



AND OPTIONS

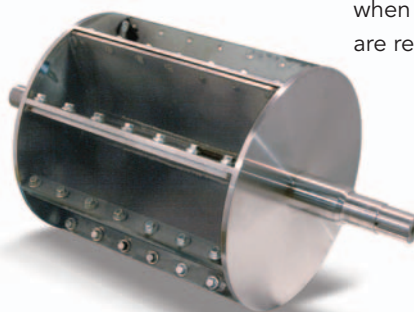
OPEN END ROTORS

Open end rotors can be used in all applications not requiring abrasion-resistant construction. In addition to the cost savings they have slightly more capacity than a closed end rotor.



CLOSED END ROTORS

Closed end rotors are best used with abrasive materials and when replaceable tip rotor vanes are required.





TYPE 3 **SEMI-FOOD GRADE**

The Smoot Type 3 airlock is built to handle your sticky or cakey materials and is ideal for semi-food grade applications. The Type 3 is constructed with an epoxy coating of the interior throat for maximum protection, a hard chrome bore, as well as 304 stainless steel rotor to provide a durable and cost-effective alternative to complete stainless steel airlocks.



TYPE 4 **304 STAINLESS STEEL**

The Smoot Type 4 takes stainless steel to the next level with complete 304 stainless construction. The Type 4 will handle your mildly corrosive materials while maintaining the legendary Smoot toughness.

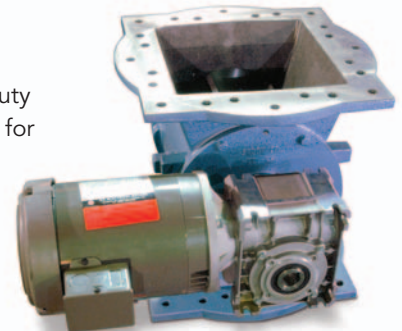
TYPE 6 **DESIGNED FOR THE MOST ABRASIVE PRODUCTS**

The Smoot Type 6 airlock is constructed to withstand the most abrasive of materials. Built with rugged NiHard steel, a closed end rotor constructed of carbon steel, and Stellite on wear surfaces the Type 6 will outlast your toughest materials.



DC-9 **DUST COLLECTOR DUTY AIRLOCK**

The Smoot DC-9 is a light duty airlock designed specifically for dust collection applications.



REDUCED CAPACITY ROTORS

The flow properties of some products require large openings and wide rotor pockets. When low feed rates are required in conjunction with this type of product, it may be necessary to reduce the rotor capacity. This can be done on open or closed end rotors.

RELIEVED VANES ROTORS

Some materials can build up on the side surfaces of the airlock, causing the airlock to freeze up after running for a short time. Relieved vanes allow the rotor to keep the build-up of material scraped off, or sheared.

OPTIONS

- Open and Closed Rotors
- Relieved Vanes
- Reduce Capacity
- Teflon Coating
- Chrome Plating
- Round and Square Flange
- High Temperature modifications
- Special Paint
- Flex Tips
- Key Way
- Abrasion Resistant Tips

AIR PURGE



SHAFT AIR PURGE (SAP)

SAP uses high pressure plant air to prevent the conveyed material from coming in contact with the shaft seals, therefore extending the life of the seals.

CAVITY AIR PURGE (CAP)

This US Patented design uses low pressure air from the convey blower, and purges the material from the cavity between the closed end shroud and housing end plates. This process dramatically reduces abrasion on the endplates and rotor.



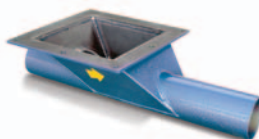
ACCESSORY EQUIPMENT

VENTED INLET ADAPTERS



DISCHARGE ADAPTERS

- Most sizes in stock



NON-ADJUSTABLE FLOW PELLET VALVE

- Most sizes in stock



INLET HOPPERS



CONCEPT TO COMPLETION

Every pneumatic process is unique, so Smoot customizes every solution to meet your needs.

Pneumatic conveying systems and components are what we know, no matter how large or small your line. Tell us what you intend to accomplish and we'll make sure the pieces fit.

Dependable, versatile systems. Solutions that fit. It's the foundation of our business.



©2004 Magnum Systems, Inc. All rights reserved. Catalog number: MS.1018.0404



www.magnumsystems.com
Toll Free 800.748.7000 Fax 913.362.7863
1250 Seminary, Kansas City, Kansas 66103