

Ferrite Powdered Material Processing Facility

A hopper with several Deca **AIR-SLIDE** units working together to keep positive material flow.

Net result?

Elimination of down time due to hopper clean out and clog removal!

INDUSTRIES SERVED

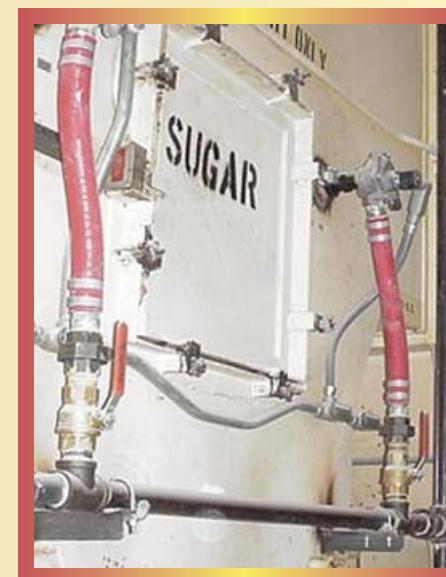
FOOD & PHARMACEUTICAL (some examples):

- Sugar
- Cocoa
- Baking Powder
- Feed
- Flour (all grades)
- Cracker Meal
- Dehydrated Food Products
- Salt
- Grains
- Coffee
- Cereal
- Pharmaceutical Excipients



METALS & MINERALS (some examples):

- Ores of all types
- Coal (coke, mined, all grades)
- Phosphates
- Zinc
- Soda Ash
- Sand (all types)
- Kaolin
- Fly Ash
- Lime, Cement & Clay
- Copper
- Gypsum
- Lead
- Limestone
- Aluminum



OTHER (some examples):

- Plastics
- Powdered Paints
- Detergents
- Fertilizers
- Resins
- Adhesives
- Carbon



Close up of a fully operational Deca **AIR-SLIDE**.

Notice how the Deca **AIR-SLIDE** fits in such tight spaces!

Even the largest Deca **AIR-SLIDE** only needs a minimal amount of space for installation.



Reground Gypsum Board Processing Facility

www.decavibrator.com



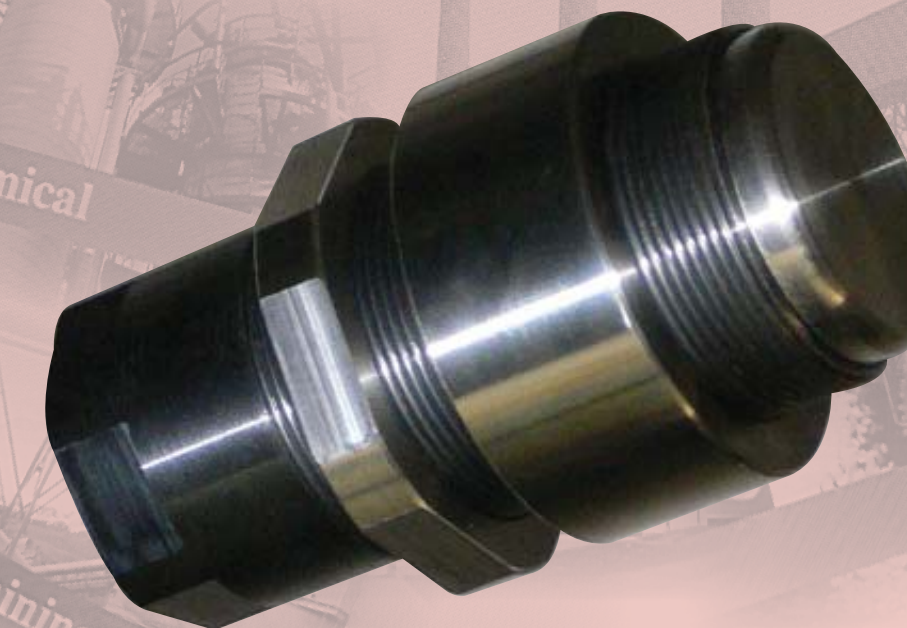
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SPECIFICATIONS SUBJECT TO CHANGE
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TOUGH flow problems?



DECA AIR-SLIDE SYSTEM

Create and Maintain Material Flow while also eliminating:

- Sticky Build-up
- Arching
- Rat Holes

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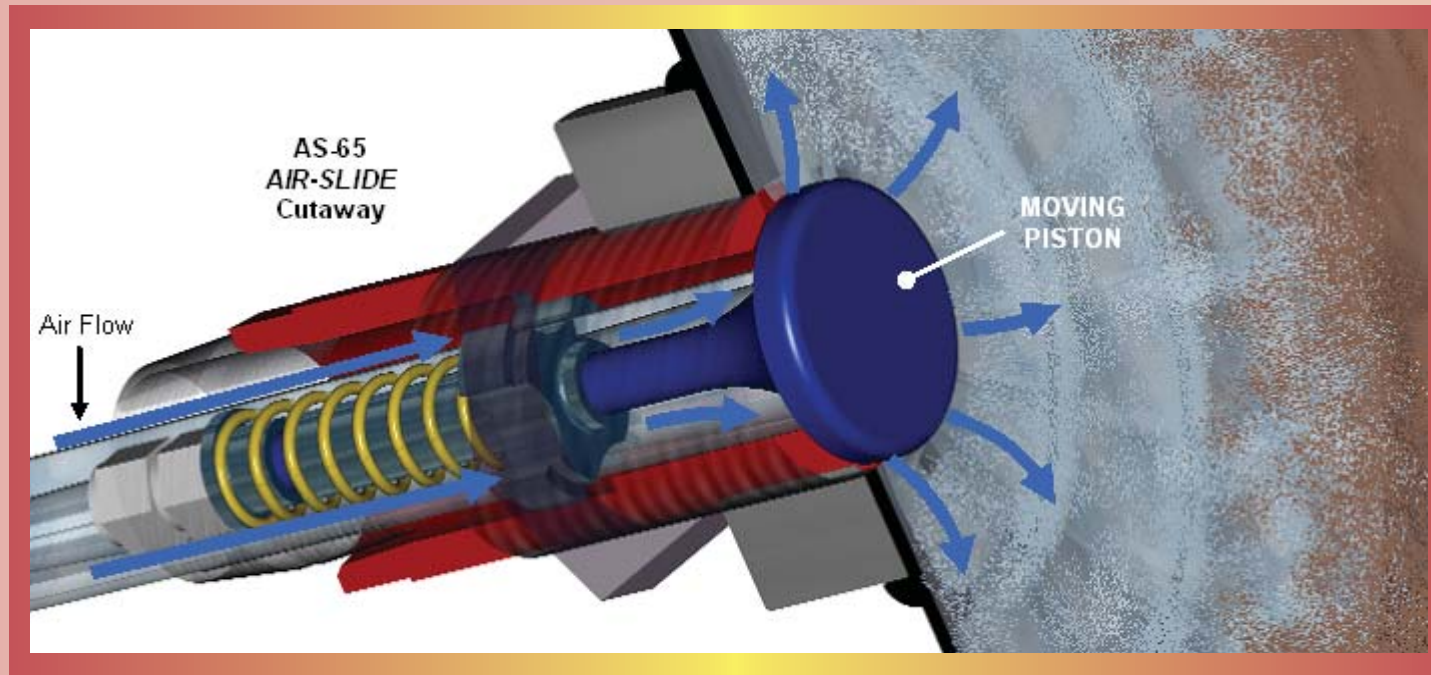
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Why Use the Deca AIR-SLIDE System?

Deca **AIR-SLIDE** WORKS to maintain material flow, eliminating costly down time for clearing out built-up or clogged containers, while being...

- Easy to install
- Low operating costs
- Practically maintenance FREE
- Energy efficient
- Meets OSHA standards for LOW noise levels
- Non-destructive to the container
- Heavy Duty Design



How the Deca AIR-SLIDE System Works

On a timed cycle a powerful blast of air pushes open the one moving part, the piston, releasing the air 360° around lifting and moving material off the inside wall of the container. This piston, along with the housing and all other components are made of high grade machined steel, ensuring a reliable and trouble-free performance for years with minimal attention.

By strategically placing multiple Deca **AIR-SLIDE** units throughout your container, these blasts of air keep the material flowing in a downward direction.

The Deca **AIR-SLIDE** System can be used to promote material flow of dry, moist, dense or entangled materials (see list on page 4) in any manufacturing environment (from pharmaceutical and food to pulp & paper, metals & minerals and chemical processing) in any type of container made from metal, concrete, wood, plastic or fiberglass. These containers include:

- Hoppers
- Bins
- Silos
- Chutes
- Conveyor Transfer Points
- Larry Cars
- Centrifuges
- Batchers
- Rotary Kiln Chutes
- Spray Dryers
- Pipes
- Dust Collectors

TECHNICAL DATA (Specifications subject to change without notification)		AIR-SLIDE PERFORMANCE				
AIR-SLIDE MODELS		MATERIALS OF CONSTRUCTION	AIR-SLIDE SIZE	SOLENOID SIZE	AIR PRESSURE (PSI)	AIR USAGE CFM/FIRING
	AS-20 (shown assembled)	CARBON STEEL (Standard)	1-1/16"	3/4"	40	0.3
		STAINLESS STEEL				
		OTHER (Call DECA)			60	0.5
	AS-50 (shown assembled)	CARBON STEEL (Standard)	2"	1-1/2"	80	1.6
		STAINLESS STEEL				
		OTHER (Call DECA)			100	2.2
	AS-65 (shown assembled)	CARBON STEEL (Standard)	2-7/16"	1-1/2"	80	1.8
		STAINLESS STEEL				
		OTHER (Call DECA)			100	2.4
AIR-SLIDE CONTROLLER OPTIONS						
Solid State Sequence Controller A low cost option that controls up to (32) Deca AIR-SLIDE units per controller. It allows for adjustable on/off time, remote start/stop from PLC contact, and has a sequence light indicator.			Programmable Logic Controller This unit allows you to program up to (144) Deca AIR-SLIDE units with up to (10) different applications, has adjustments for on/off, cycle and dwell times along with being customizable for very unique applications.			
Voltages: 110/120 VAC 50/60 HZ 220/230 VAC 50/60 HZ			Voltages: 120, 240, 480 VAC 60 HZ 110/220 VAC 50 HZ			
(Specifications subject to change without notification)						

Example of a Deca AIR-SLIDE System Installation

