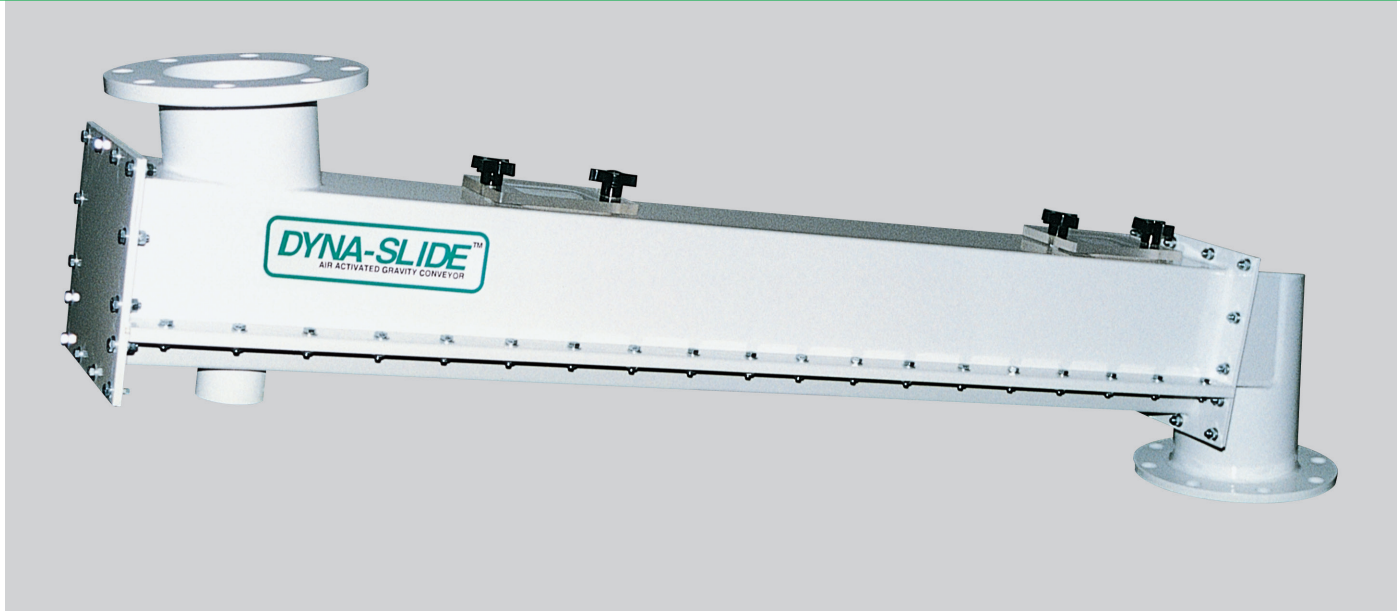




Conveys fine dry fluidizable materials

The Dyna-Slide[™] air-activated gravity conveyor efficiently combines low air pressure and gravity to fluidize and convey most types of fine dry fluidizable materials.

The low profile design is totally enclosed and dust-free, making it perfect for conveying from silos, rail cars and hoppers.

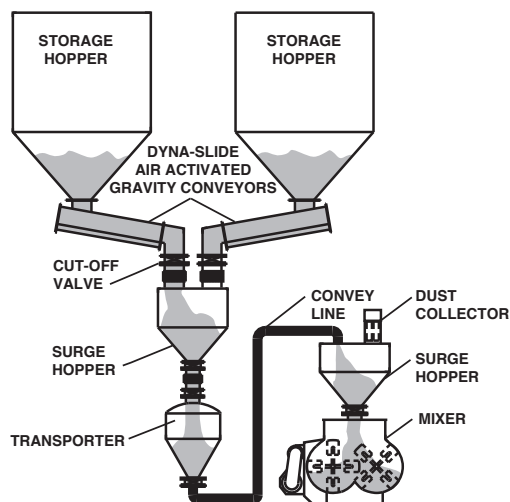
The energy efficiency and ease of installation of the Dyna-Slide air-activated gravity conveyor contribute to a cost effective solution for conveying very fine, dry fluidizable materials.

And, because there are no moving parts in the material flow to wear out, very little maintenance is required.

Features

- Uses low pressure air
- Conveys fine fluidizable powders
- No moving parts
- Very low maintenance
- Simple installation
- Quiet operation
- Enclosed, dust-tight
- Low energy consumption

Typical Application



The Dyna-Slide air-activated gravity conveyor will handle:

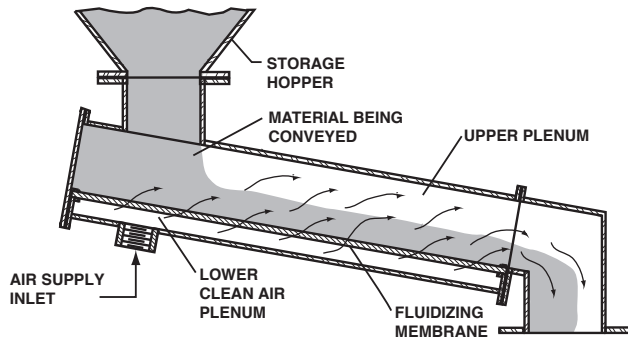
- | | |
|---------------------|-----------------|
| ■ Alumina | ■ Fine coal |
| ■ Ball clay | ■ Flour |
| ■ Barite | ■ Fluorspar |
| ■ Bauxite | ■ Fly ash |
| ■ Bentonite | ■ Gypsum |
| ■ Calcium carbonate | ■ Kaolin clay |
| ■ Cement | ■ Hydrated Lime |
| ■ Feldspar | ■ Talc |
| | ■ And More |

How the Dyna-Slide air-activated gravity conveyor works

The upper and lower plenum are separated by a fluidizing membrane. Low pressure air introduced into the lower plenum permeates the extremely fine and uniform pore openings of the fluidizing membrane and flows into the upper plenum.

The angle of decline, plus the low pressure air acting as a lubricant, reduce the coefficient of friction to take advantage of gravity to move the material down the angle of inclination to any distance to suit the application. Thus, a material with a high angle of repose will virtually flow like water down a 10° slope with excellent efficiency and reliability.

Dyna-Slide conveyors are best suited for dry materials that have a particle size smaller than 200 mesh.



Construction features

The Dyna-Slide air-activated gravity conveyor is built dust-tight of heavy duty mild steel or stainless steel construction. The fluidizing membrane is made of a moisture-resistant, long-lasting, polyester material. High pressure compressed air is used as the power source.

The Dyna-Slide air-activated gravity conveyor has three components:

- Inlet section with flange
- Standard intermediate section (10 feet)
- Discharge outlet

An infinite number of standard intermediate sections can be coupled between the inlet and discharge sections to span any required conveying distance.

To accommodate varying requirements, conveyor widths of 4 to 12 inches are available. Capacities range from 400 to 5,000 cubic feet per hour.

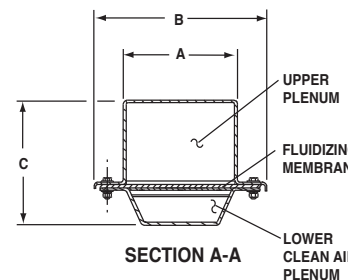
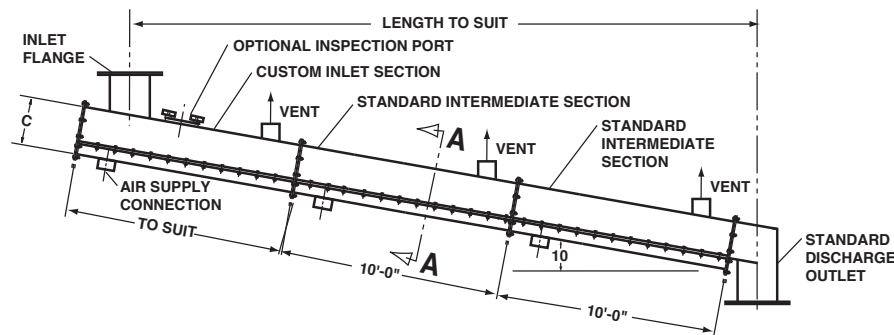
Options

- Stainless steel construction
- Food grade construction
- For material temperature up to 300°F

Dimensions and Specifications

Dimensions & Specifications		Nominal Size				
		4 inch	6 inch	8 inch	10 inch	12 inch
A	inches	4.75	6.88	8.88	11	13
	millimeters	121	175	225	279	330
B	inches	8.75	10.88	12.88	15	17
	millimeters	222	276	327	381	432
C	inches	5.88	7.88	9.88	11.88	13.88
	millimeters	149	200	251	302	352
Weight per foot	pounds	15	19	24	28	32
	kilograms	7	9	11	13	14
Capacity per hour	cubic feet	400	1000	2000	3000	4000
	cubic meters	11	28	57	85	113

Capacities, air consumption and other operating data must be verified by testing at the Dynamic Air test facility with the actual material to be conveyed.



Specifications subject to change without notice.

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