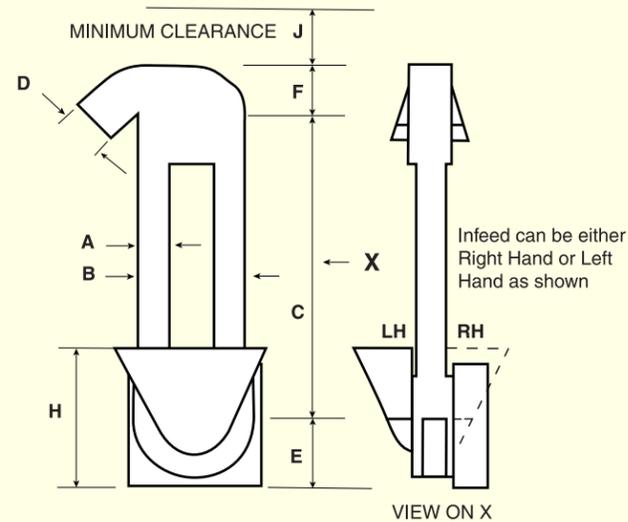


TYPICAL DIMENSIONS in inches

	M75	M100	M125
A	3	4	5
B	15	19	20
C*	x6	x8	x8
D	7	8	10
E	10	13	14
F	8	10	10
H	32	36	26
J	7	3	n/a



CONVEYOR CAPACITY – cubic feet per minute

R.P.M.	M75	M100	M125
200	6	13	24

Product characteristics can affect output, up or down. We recommend testing of all materials to ensure accuracy.

TEST FACILITY

Our in-house facility is available for testing. Customers are welcome to attend the test. A full report, including video, will be provided. There is no charge for testing, but all freight costs must be pre-paid.



Portable conveyor feeding cone blender.



Feeding plastic granules into bulk container.



Vertical conveyor with bag dump station, screw feeder, and integral dust collection system.



Manual bag dumping into vertical conveyor to feed mixer.



Horizontal/vertical multi-path Powderflight conveyor.



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# POWDERFLIGHT AEROMECHANICAL CONVEYORS

## High Output with Versatility

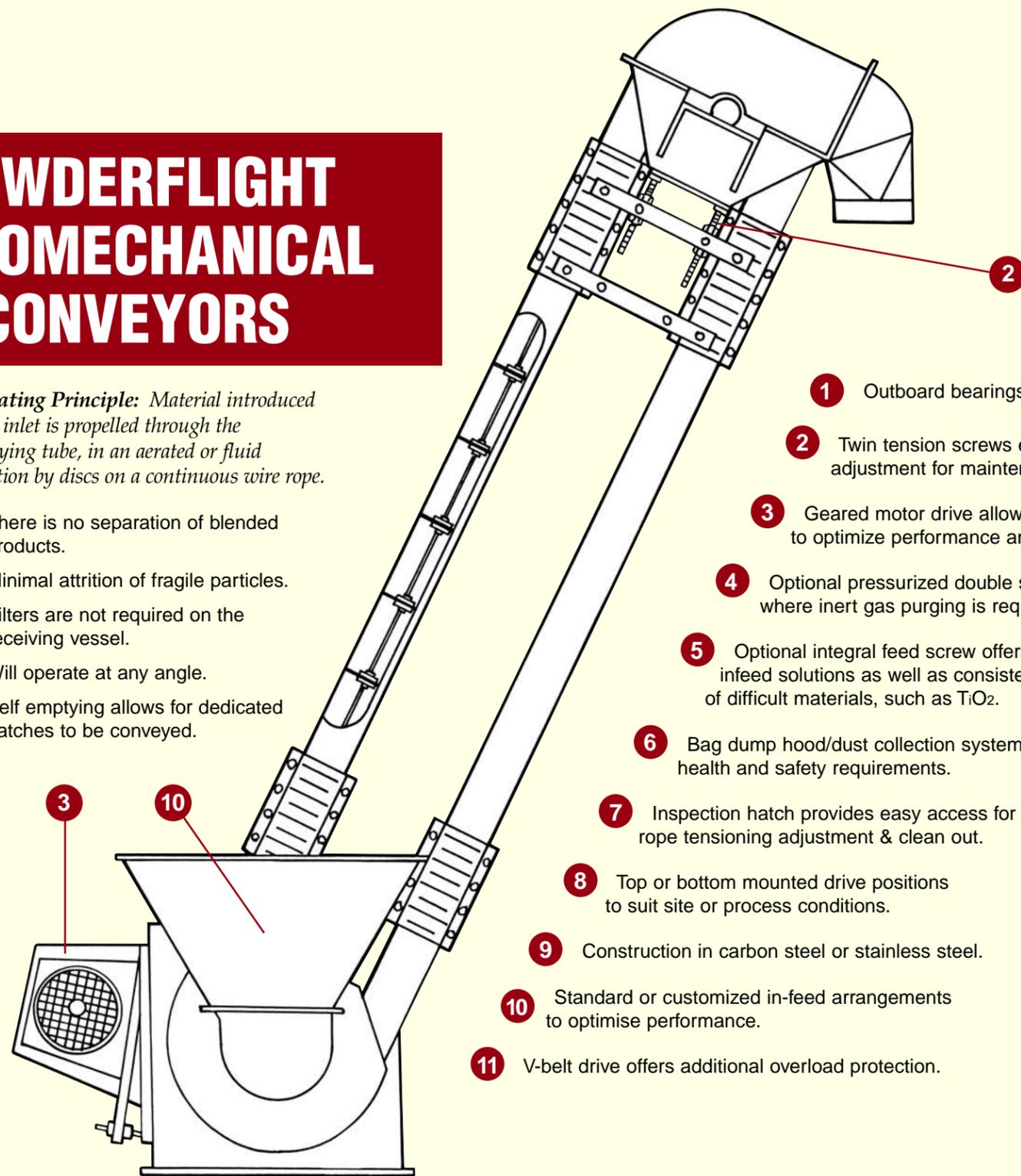
- High output relative to power and cost
- Minimum attrition of fragile particles
- No separation of blended products
- No filtration required at discharge
- Any angle of operation
- Dust-tight conveying
- Dedicated batches
- Low noise level



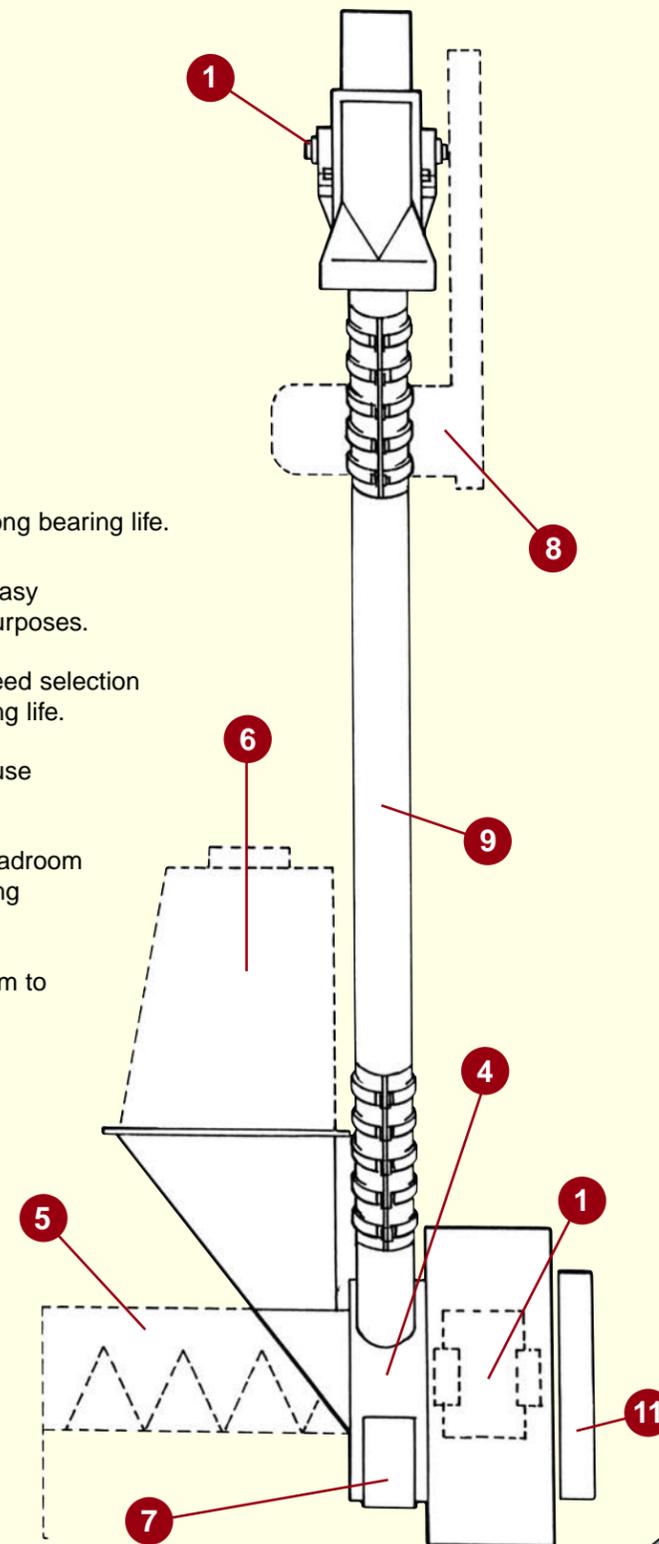
# POWDERFLIGHT AEROMECHANICAL CONVEYORS

**Operating Principle:** Material introduced at the inlet is propelled through the conveying tube, in an aerated or fluid condition by discs on a continuous wire rope.

- There is no separation of blended products.
- Minimal attrition of fragile particles.
- Filters are not required on the receiving vessel.
- Will operate at any angle.
- Self emptying allows for dedicated batches to be conveyed.



- 1 Outboard bearings to prolong bearing life.
- 2 Twin tension screws ensure easy adjustment for maintenance purposes.
- 3 Geared motor drive allows for speed selection to optimize performance and prolong life.
- 4 Optional pressurized double seal for use where inert gas purging is required.
- 5 Optional integral feed screw offers low headroom infeed solutions as well as consistent feeding of difficult materials, such as TiO<sub>2</sub>.
- 6 Bag dump hood/dust collection systems conform to health and safety requirements.
- 7 Inspection hatch provides easy access for rope tensioning adjustment & clean out.
- 8 Top or bottom mounted drive positions to suit site or process conditions.
- 9 Construction in carbon steel or stainless steel.
- 10 Standard or customized in-feed arrangements to optimise performance.
- 11 V-belt drive offers additional overload protection.



## Materials Handled

- |                    |                         |
|--------------------|-------------------------|
| Adipic acid        | Melamine powder         |
| Aluminium chloride | Milk powder             |
| Aluminium oxide    | Moulding powder         |
| Asbestos fines     | Perlite                 |
| Barytes            | Phthalic anhydride      |
| Bentonite          | Pigments                |
| Bran               | Plastic granules        |
| Brown sugar        | Potato flour            |
| Calcium carbonate  | Refractory powder       |
| Carbon black       | Resins                  |
| Cement             | Salt                    |
| Coffee beans       | Sand                    |
| Coffee grounds     | Silica                  |
| Crop seeds         | Soap granules           |
| Curry powder       | Sodium sulphate         |
| Custard powder     | Soya flour              |
| Dehydrated foods   | Starch                  |
| Detergent powders  | Sterilizing powder      |
| Dog biscuits       | Sugar beet pulp dust    |
| Flocculents        | Talcum powder           |
| Gelatine           | Tile dust               |
| Granulated sugar   | Titanium dioxide        |
| Gypsum             | Tobacco fines           |
| Icing sugar        | Urea prills             |
| Iron oxide         | Water treatment powders |
| Lead oxide         | Wheat flour             |
| Lead shot          | Yeast extract           |
| Limestone powder   | Zinc oxide              |
| Magnesium oxide    | Zirconium sand          |

**The Laminar Disc:**  
A 3-part disc with nylon 'bosses' and polyurethane centre.

**The Powderflight Disc:**  
A 2-part easily replaced disc.

