

MAB ROTOVEYOR



MAB ROTOVEYOR* IS A NEW CONVEYING SYSTEM FOR **PNEUMATIC CONVEYING IN DENSE PHASE AND LOW VELOCITY** OF PLASTIC PELLETS AND POWDERS. IT IS PARTICULARLY ECONOMICAL OWING TO THE REDUCED AIR-CONSUMPTION.



- Low speed dense-phase system
- No generation of dust and streamers

RECOMMENDED FOR PLASTIC PELLETS:

- Polyester
- Nylon
- Polyethylene
- Polypropylene
- Polystyrene
- ABS, PVC, ...

APPLICATIONS:

- Conveying to silos
- Container unloading
- Big-Bags emptying
- Filling tanker-trucks and hopper-cars
- Feeding extruders
- Feeding continuous dryers
- Conveying in closed loop with Nitrogen and with multiple units connected to one conveying pipe

MAB Rotoveyor RTV 400
Flow of polyester pellets 45 t/hr, distance ~160 m

TECHNICAL FEATURES:

- | | | | |
|--------------------|------------------|----------------------------------|---------------|
| - Flow-rates: | up to 80 tons/hr | - Conveying pressure: | 0,8...3 bar-g |
| - Distances: | up to 700 meters | - Low conveying speed: | 1...6,0 m/sec |
| - Air consumption: | very low | - Continuous flow of the product | |

***ROTOVEYOR** is Registered Trade Mark and exclusive property of **MAB – Switzerland**.



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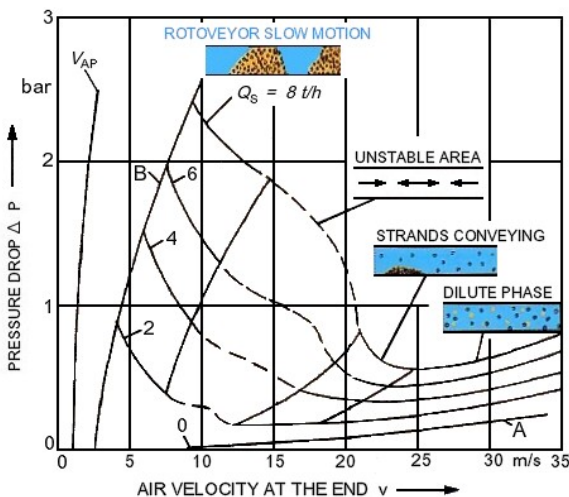
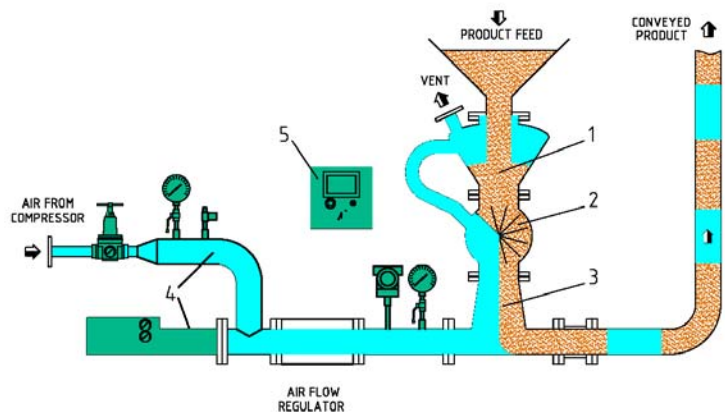
MAB ROTOVEYOR is a **dense phase, low velocity** pneumatic conveying system recommended for high flow-rates.

The product is fed into the conveying pipes at high pressure through a special MAB rotary valve, designed for this purpose.

The conveying air can be fed either from a dedicated compressor or from the plant's net.

A special air regulating system is provided by MAB according to the different air-supply situations. The product flow is easily adjusted by means of a variable speed controller applied to the rotary valve.

1. Feeding hopper with vent
2. Special MAB high pressure rotary valve
3. Injection system
4. Air regulation system (for pressure and flow-rate) - symbolic
5. Control panel (PLC)



MAB ROTOVEYOR operates in the area of the **“PLUG FLOW”** shown in the diagram on the left.

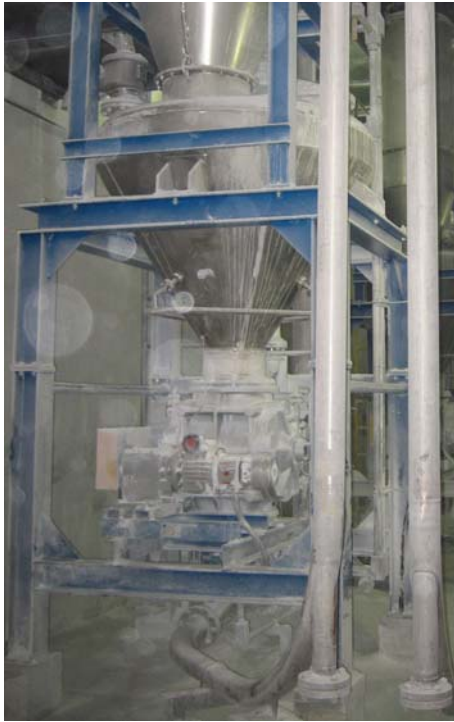
The condition is very advantageous from the standpoint of minimizing energy consumption and preserving product quality.

ADVANTAGES OF ROTOVEYOR:

- Low speed: 1...6 m/sec
- Low energy consumption
- High efficiency
- High flow-rates
- Continuous feed of pellets
- Small size conveying pipes
- Package unit

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MAB



Rotary valve VRP-HP for PTA conveying system:
40 t/hr - 150 m



Rotary valve VRP-HP for PTA conveying system:
15 t/hr - 160 m



MAB high temperature rotary valves for PET chips
at 210°C in SSP plant.
Flow rate 18 t/hr – 500 t/day.



Rotoveyor for PET chips - Flow rate 45 t/hr
- 160 m

MORE INFORMATION AVAILABLE UPON REQUEST, PLEASE ASK FOR THE COMPLETE BROCHURE

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