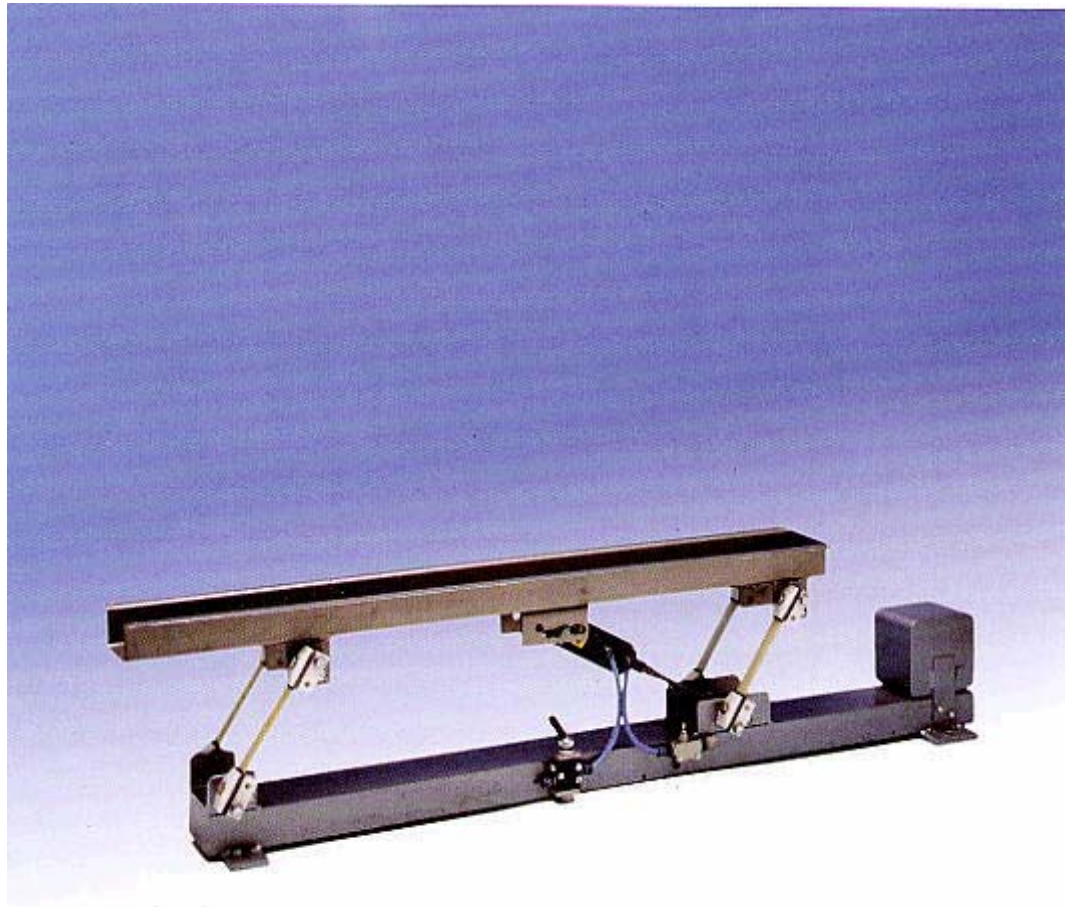




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## **Pneumatic conveyors**

### **NT serie**



- Driven by a pneumatic piston vibrator.
- For low accurate flows transport.
- Continuous flow regulation.
- Possibility of incorporating troughs with outrigger.
- No maintenance required.

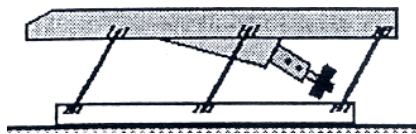
# Pneumatic conveyors. NT serie.

The NT conveyors, equipped with NTK pneumatic piston vibrators, supply a continuous regulated flow, through the amplitude and the frequency regulation.

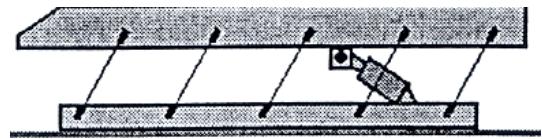
Through a pressure regulation valve, located in the inlet air vibrator, the frequency of the vibrator can be adjusted. The vibrator amplitude is regulated through the vibrator exhaust air.

The system is only able to work in the resonance. A charge modification can not distortion the system and it does not obstruct the resonant functioning. The resonance frequency varies but the system is automatically adapted to the new frequency, working totally efficient. The NT conveyors can feed the products at a high speed with variable charges.

Basically, there are two driving systems:



The vibrator is directly installed in the trough.



The frame and the trough are united through the vibrator.

In the second case, the vibrator force transmission to the trough is made by a coupling especially designed for each vibrator.



The NT conveyors are use to feed a large range of low-density products.

Following the requirements, the trough can be modified, even incorporating a perforated plate, making a screen-conveyor. The outrigger in the troughs depend on the specific application.

Typical applications for the AM serie are: feeding conveyors or screens, dosing products, automatic feeding in weighing systems, feeding pieces in continuous process machines...

NTK vibrators can work in a temperature range 0 ~150 °C, except NTK 15 X (0 ~100 °C) and NTK AL (5 ~100 °C).

Depending on the type (with silencer) and an air pressure of 6 bar the noise level is 78-80 dB (A), even less at lower air pressure.



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