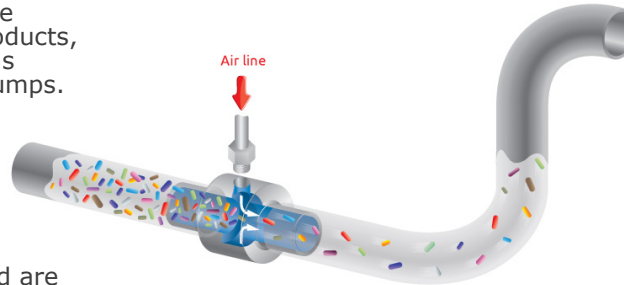


Quick Guide

Compressed Air Operated Conveyors

▶ WHAT ARE THEY?

Compressed air operated conveyors are simple nozzle devices which, as their name suggests, use compressed air to move products, replacing more traditional methods such as mechanical belts and chains or vacuum pumps. Their design employs the venturi principle to create a high vacuum and amplified flow to generate a strong force to convey solid materials as well as fumes and gases, even over large distances. The nozzles are attached (clamps or threaded versions available) to conveying tubes/pipes at either end and are connected to a compressed air line (see right).



▶ KEY INDUSTRIES

- food
- pharmaceutical
- packaging
- general manufacturing

▶ APPLICATIONS

- Hopper loading
- Filling
- Conveying product from one place to another
- Trim removal
- Waste removal
- Venting gas
- Fibre tensioning

▶ ADVANTAGES

1. Reduce energy costs - require lower air consumption and operate at lower pressures
2. Less likely to contaminate air flow because of the straight-through design, which prevents clogging
3. Lightweight and portable
4. Quickly and easily assembled
5. Configurable: Standard, threaded or flanged
6. Available in a wide choice of materials, including 316L stainless steel for the food industry
7. No electrical or explosion hazard
8. Reduce noise and sound levels in working environment
9. Compact, rugged, and easily mounted and installed
10. Used with an on-off switch they can be used for intermittent applications, further saving energy.

THE PRODUCT



Ring Vac™ range of compressed air operated nozzles

To find out more about compressed air operated conveyors and how they can help your business, call **The Air Nozzle People** on 01273 400 092.