

# E-finity<sup>®</sup>

## Air flow controller for continuous dense phase

- Continuous dense phase conveying
- Maximum material protection from breakage
- Low total cost of ownership
- Flexible production plant integration
- Space-saving design
- Flexible feed rates



### Application

The patented Schenck Process E-finity<sup>®</sup> continuous dense phase pneumatic conveying system is especially suitable for fragile bulk materials. Precise pressure monitoring and air flow corrections allow the system to operate efficiently under all conditions. The material is gently pushed along a pipe in a plug form.

E-finity is ideally suited to granular and pelleted materials and has proven itself on many projects in the food industry as well as for pet food, cereals, nuts, and grains.

### Operating principle

The core of our system is a needle valve which controls the mass ratio of product and conveying air by using specially programmed functional modules. Together with a pressure feedback signal these enable the ability to create stable low-pressure dense phase conveying conditions.

### E-finity<sup>®</sup> specifications

- Available for vacuum or pressure applications
- Can be installed practically anywhere in the plant
- Use of several E-finity systems with a central air compressor

### Accessories

Schenck Process no-ledge pipe couplings without gaps

