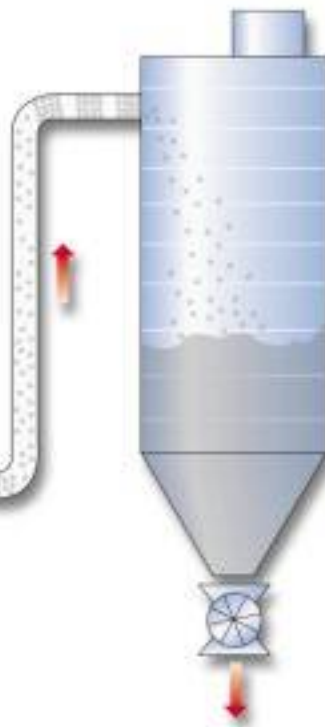


Pneumatic conveying systems



Innovative solutions, also for fragile and abrasive materials

Throughput range: 1 to 100 000 kg/h
Conveying distance: 3 to 800 m

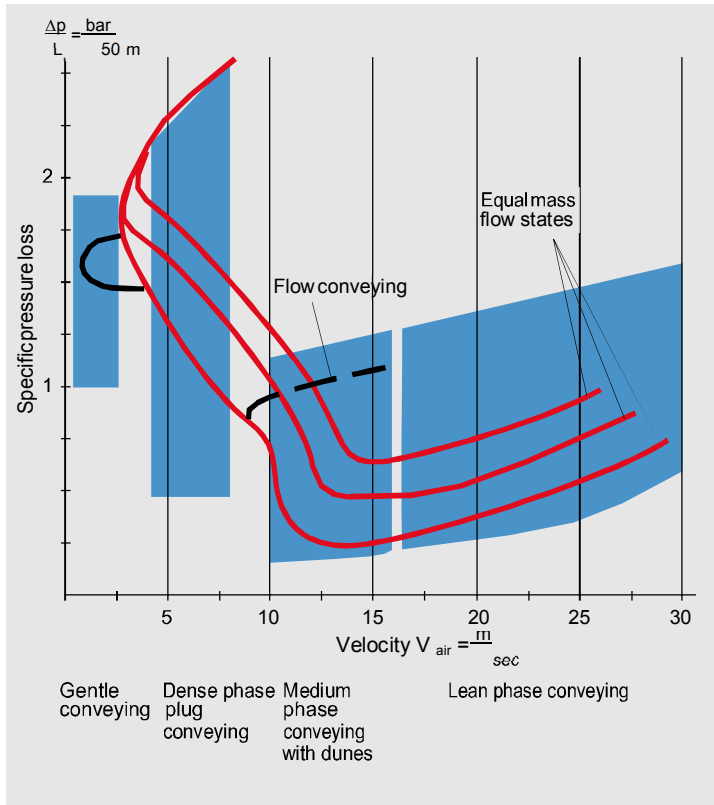
Customised solutions for all conveying-applications.

DOSERAY
pneumatic
conveying systems:

low operating costs
continuous or batch
reliable and robust
dust-free and hygienic

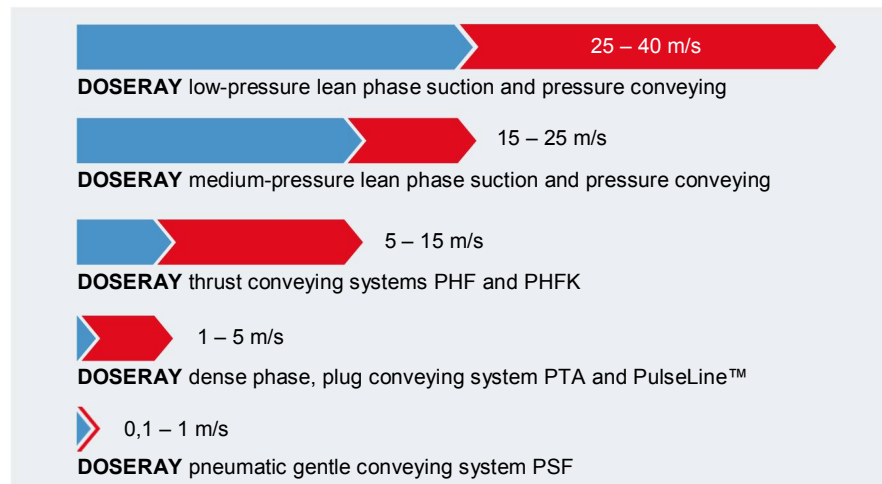
automated operation
very gentle conveying with
minimal abrasion or break-
down of the product.
no segregation of the material
during conveying
low air/gas consumption for
economic performance, e.g.
nitrogen conveying.
minimal wear on bends or
pipes
easy to clean and maintain

We have the right conveying system for your product:



DOSERAY offers the complete package from one source: Product reception, feeding, weighing, distribution and filtration.

Key feature: the optimum conveying velocity



Mean material conveying speed in metres/second (dependant on conveying distance)

Customer process: meeting the needs.

DOSERAY conveying

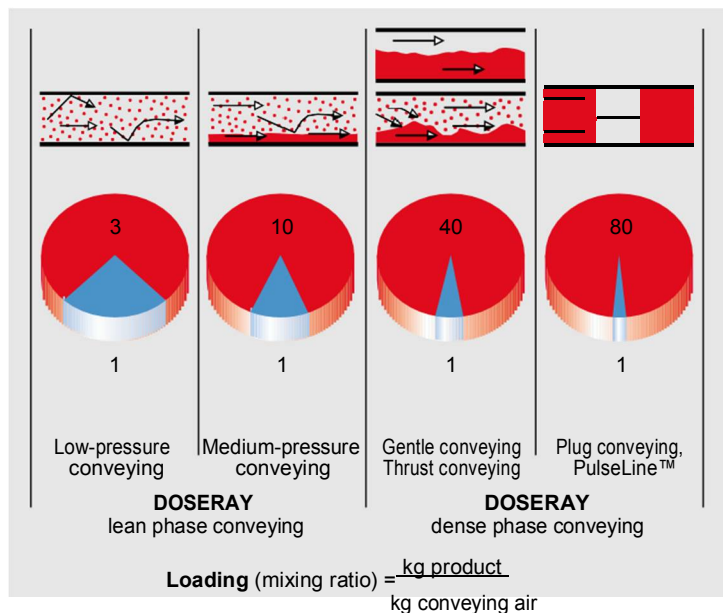
equipment is engineered using a modular system.

The most economical solution is selected to suit the particular application.

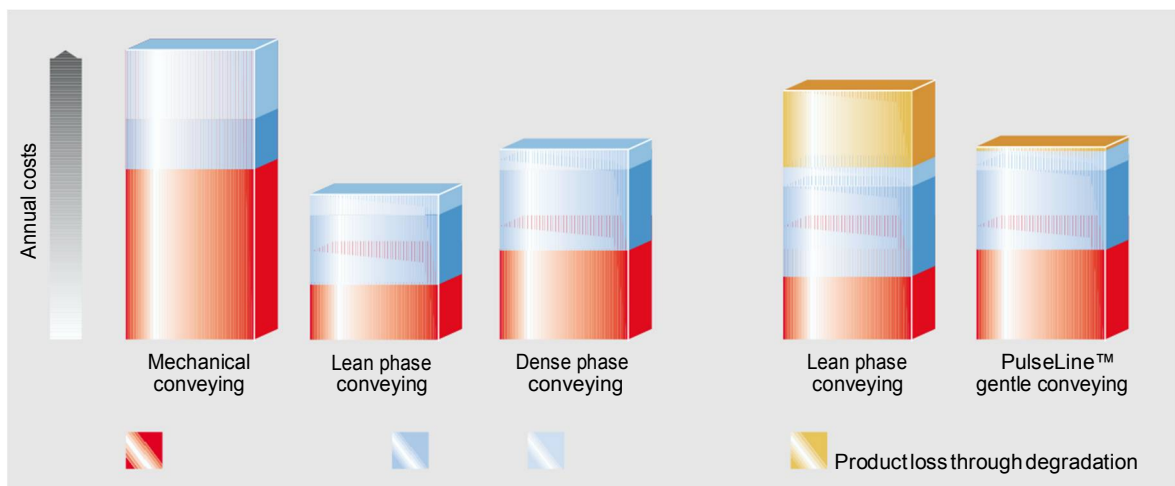
Where environment considerations, economy, filtration efficiency and maintenance are crucial, the consumption of conveying gas is one of the decisive factors.

Example:

With 1 kg of conveying air DOSEARAY lean phase systems (1.29Nm³) can deliver 1-10 kg of product, whilst 30-50 kg can be conveyed with the DOSEARAY PHF thrust conveyor and 30-120 kg with the DOSEARAY's dense phase plug conveyor.



Economy:



Example 1:
Silo loading of raw materials e.g. flour, sugar or salt, which do not require slow speed conveying.

Example 2:
Mixer feeding with friable granulated detergent ingredients which require extremely gentle conveying.

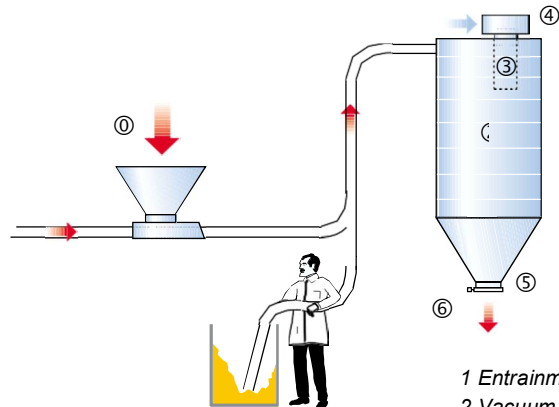
Simple and flexible: vacuum conveying

DOSERAY venturi vacuum conveyors

Applications: for coarse and fine powders, grains and granulates
Throughput: 0.1 to 4 m³/h
Distance: 1 to 50 m

Advantages:

- high vacuum possible (up to 900 mbar) (multi-ejector)
- modular assembly, easy to clean
- no electrical components
- low dust emissions
- pharmaceutical version available



- 1 Entrainment hopper
- 2 Vacuum pipe
- 3 Cyclone separator
- 4 Filter
- 5 Ejector pump
- 6 Discharge flap
- 7 Product discharge

DOSERAY vacuum conveyor with exhauster

Applications: for coarse and fine powders, grains and granulates
Throughput: 1 to 10 m³/h
Distance: 1 to 100 m

Advantages:

- dust escape ruled out
- low investment costs
- flexible design
- easily extended



DOSERAY suction scale

Efficient multi-component batch weigh system for up to 12 components.

Applications: for coarse and fine powders, grains and granulates
Throughput: 0,1 to 5 m³/h
Distance: 1 to 60 m

Advantages:

- A number of raw materials can be delivered and weighed successively from big bags, containers or silos.
- High recipe accuracy is attained using a metered product feed.

