



# PNEUMATIC CONVEYING SYSTEMS

## DESIGN & FUNCTION

Pneumatic conveying systems for gentle, dust-free and separation-free bulk solids. According to the application, the conveying systems are designed as vacuum conveying, pressure conveying or vacuum pressure combination.



<b>Vacuum conveying.</b>	By means of vacuum blower generates a negative pressure. Over the aspiration pipe, the bulk material is conveyed from the material feed in the hopper loader. There the air is separated from the bulk material. Through a freefall flap or a self-operating outlet flap leaves the bulk system (discontinuous conveying).
<b>Construction.</b>	Conveying performance up to approx. 2.000 Kg/h. As single or multiple component. Conveying cycle controlled by time or max sensor. Large discharge flap specifically for poor-flowing bulk material. Conveyor units with filter cloth or filter screen. High temperature design. Bridge breaker or special individual container geometries for poor-flowing bulk material. Central filter stations.
<b>Pressure conveying.</b>	By means of blower produces a positive pressure. The bulk material is in the conveying line introduced and conveyed to the receiving location. There the air is separated from the bulk material (continuous conveying).
<b>Construction.</b>	Conveying performance up to approx. 20.000 Kg/h. Material feeding from containers or silo. Material injection via rotary valves, screw or feeding shoe. Blower (fan or compressor). Separator as cyclone or filter box.

★ **Technical details on request**