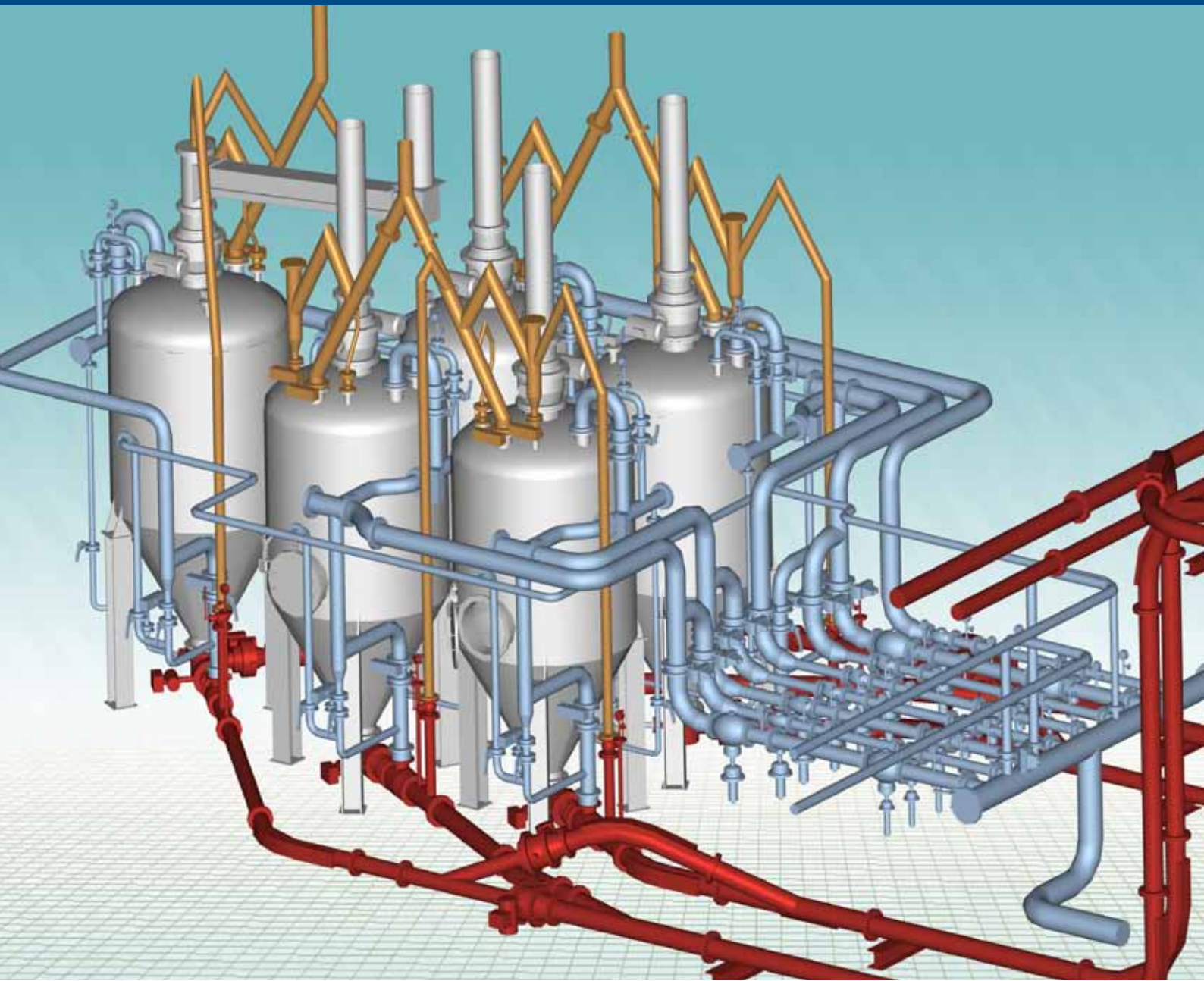


One Source

# MÖLLER Pressure Vessel Systems



# Economical and reliable conveying of bulk materials

## Product profile

- **High dense-phase conveying**
- **Maximum bulk material rate with a minimum amount of conveying air**
- **Low energy consumption**
- **High conveying capacities**
- **Long distance conveying**
- **Blocking preventing operation**
- **Continuous operation with twin pressure vessel arrangement**
- **Fully automated operation with electronic controls**
- **High-quality fittings and control valves**
- **For standard pipe, MÖLLER™ TURBUFLOW® and MÖLLER FLUIDFLOW® conveying systems**
- **Long service lives and smooth transport**
- **For bulk material temperatures up to 400 °C**

## Applications

The MÖLLER™ pressure vessel is a conveying unit for the pneumatic transport of powdery or granular bulk materials. It is particularly suitable for conveying fly ash, cement, gypsum, aluminium oxide and can therefore be used in many industries. MÖLLER pressure vessels can be connected either to conventional pipe conveying systems, to the much more efficient MÖLLER TURBUFLOW® system or to the new MÖLLER FLUIDFLOW® system. Single pressure vessels are used for batch-wise pneumatic transport; twin or triple pressure vessels also allow continuous operation. The Möller pressure vessel system is designed for capacities up to 300 t/h and conveying distances up to 3000 m.

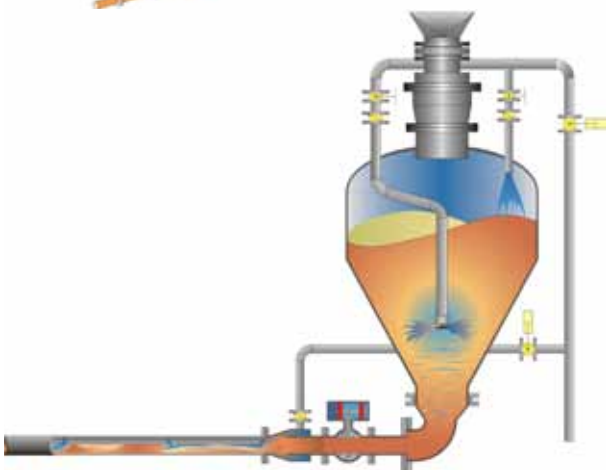
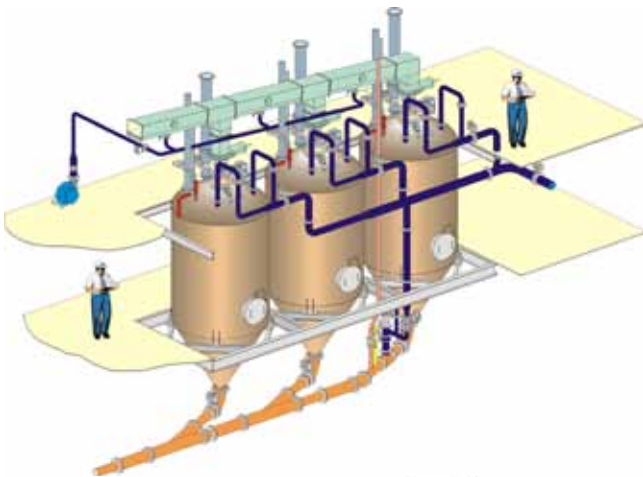
## Operation

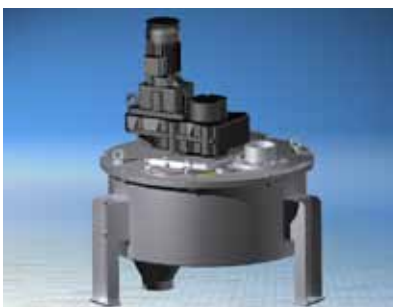
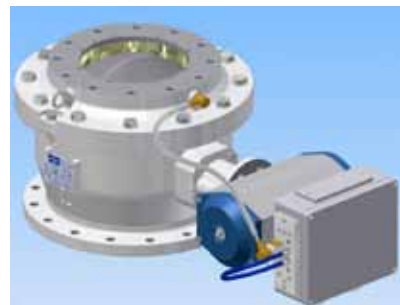
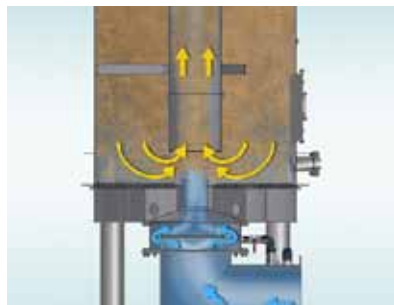
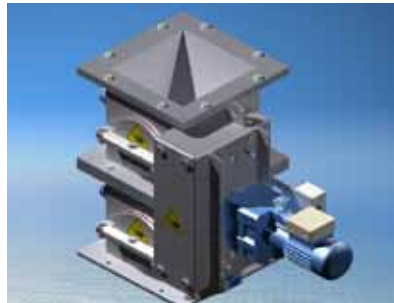
The first step in a conveying sequence is to fill the pressure vessel by a buffer silo. A distributor airslide is also in use if twin or triple pressure vessels are applied. After the filling, the pressure vessel is supplied with the required conveying air. A shut-off device then opens the conveying pipe and initiates the conveyance with highest possible pressure until the pressure vessel is empty. An air distribution system controls the optimum bulk material/air mixture of the material flow from the pressure vessel. This results in maximum conveying performance without blocked pipes. In combination with the patented MÖLLER TURBUFLOW conveying pipe the system ensures low-wear and power-saving operation.



### Economic efficiency

MÖLLER pressure vessel systems are designed for material conveying by dense-phase conveying. This permits very high material loading at a low compressed air consumption and low conveying velocities which results in a long service life and low-maintenance operation. MÖLLER offers numerous pressure vessel variants thus enabling optimum and therefore cost-effective plant conceptions.





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