



PRESSURE POWDER TRANSFER SYSTEMS



The AGIERRE HopperPress is a specialized dense-phase conveying system designed to transfer big quantities of powdered and granular materials over long horizontal and vertical distances that cannot be reached by a basic Vacuum Conveyor. It uses high-pressure air to transfer products, avoiding the degradation effects that can occur during conveying, such as changes in particle size, bulk density, demixing, and abrasion on the pipeline walls.

This pressure conveying system operates silently, requires minimal maintenance, and is easy to dismount and wash. Its product-contact surfaces are made of mirror-polished AISI 316L stainless steel, while the non-contact parts are made of AISI 304 stainless steel.

Functionality and Operation

The HopperPress Conveying System utilizes pressurized air to efficiently transfer materials through the pipeline. The process begins by loading the material into the HopperPress from the storage unit. Pressurized air is then introduced into both the HopperPress Conveyor's body and the pipeline system. This creates a pressure difference that propels the material into the receiving vessel at the other end of the pipeline.

Compliance and Safety

The HopperPress adheres to stringent cGMP and FDA guidelines, UNI EN ISO standards, ATEX and Machinery Directives, and other relevant safety regulations, ensuring reliable and secure operations.

Customization Options

At AGIERRE, we recognize that every industrial setting presents its own unique challenges. Whether it is integrating seamlessly with existing systems, incorporating specialized features, or handling aggressive products, our HopperPress can be customized to match specific production process requirements of each Customer.



Construction Materials

- AISI 304 steel;
- AISI 316 steel;
- Coated for use with corrosive powders.

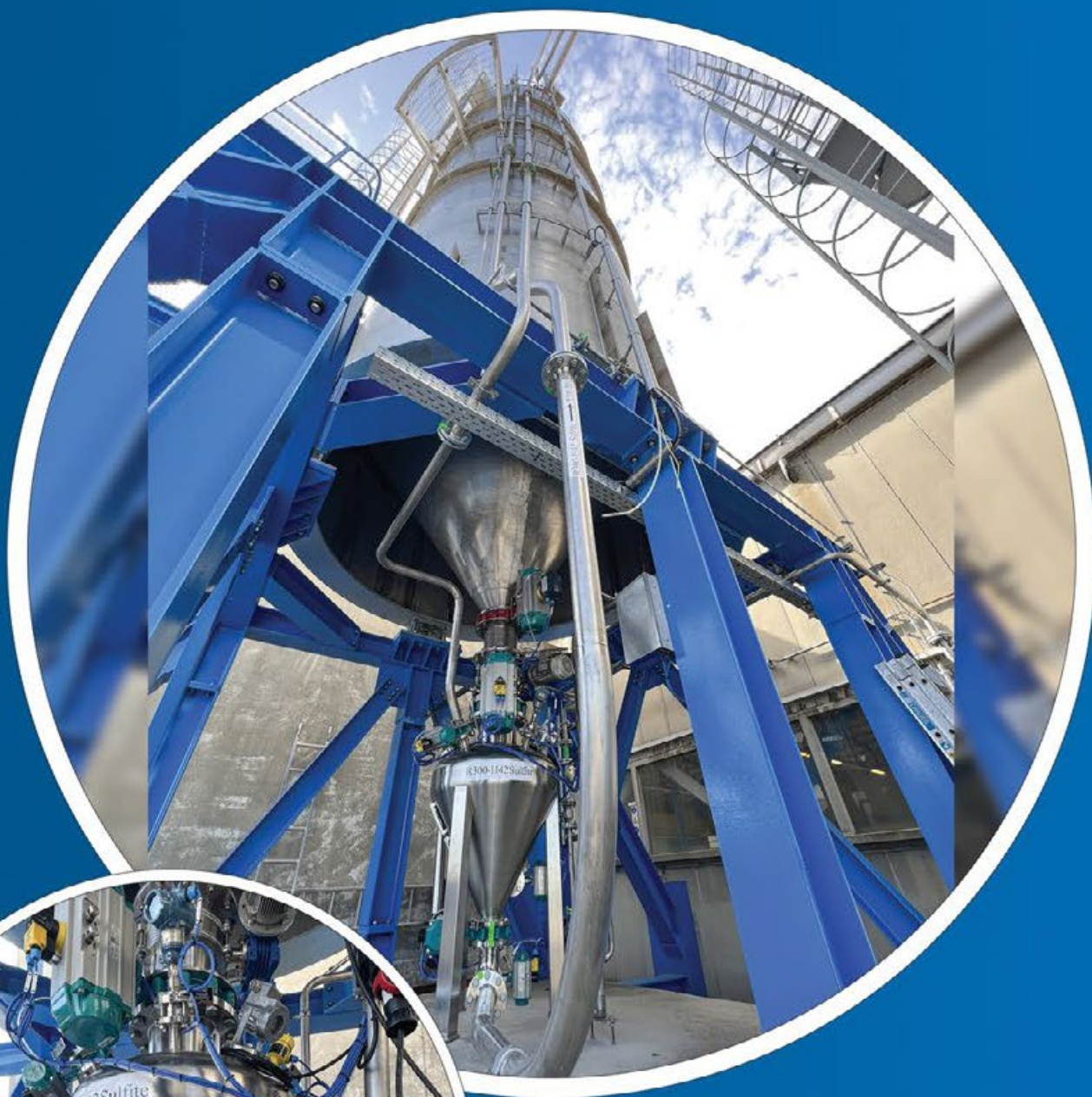
Connection between Body and equipment on board

- Flanged Connections (incl. UNI PN16 version).

Control Panel Operation Logic

- Pneumatic;
- Electro-pneumatic;
- Electrical with PLC.





Application

The HopperPress Conveyors are used in food, pharmaceutical, chemical, minerals, and plastics industries where maintaining consistent powder characteristics is critical. It is an ideal solution for conveying materials between storage vessels when using vacuum is undesirable or impossible, so air pressure is used as a driving force instead.