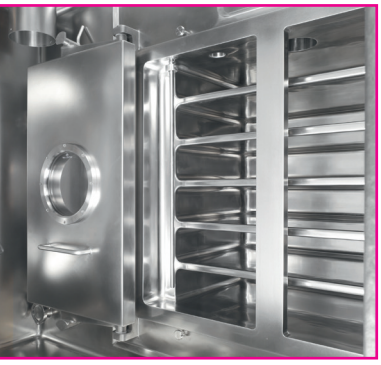
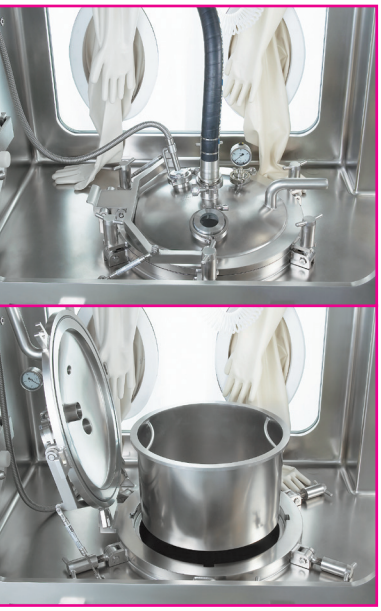
Vacuum drying oven VSD with isolator and pressure nutsch

Containment system VSDIN for contamination-free and safe drying of HAPI products



Integrated vacuum drying oven VSD with double-walled, jointless interior.



A mobile pressure nutsch with removable filter insert is integrated in the isolator.

PINK combines VSD vacuum drying ovens, isolators and pressure nutsches in customized integrated systems.

This combination enables the prefiltration of liquid products before the drying process proper, thus optimizing work processes.

For applications in which the filling and filtration of the product is to take place outside the isolator, PINK has designed a mobile pressure nutsch for contamination-free docking.

System features

- Main and lock chamber as well as RTPs for loading and unloading of the product
- GMP-compliant design
- Protection of the operator or the product

Options

- Scales and filter millls integrated in the isolator
- Wall installation
- Drying oven VSD and pressure nutsch made of Hastelloy
- Design suitable for installation and operation in explosion-hazardous environments (ATEX)

Isolator

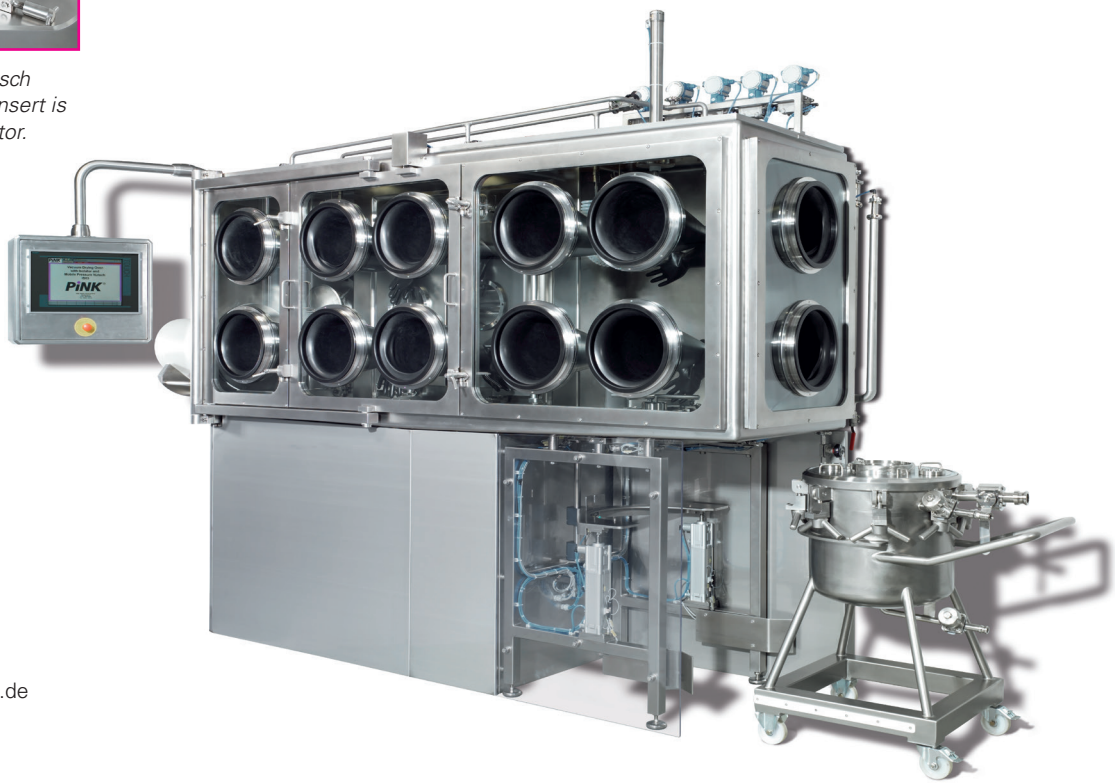
- Designed to cGMP/FDA standards
- Operator protection
- Product protection
- Ergonomic handling
- No cross-contamination
- No product loss
- Easy to clean and check (integrated Cleaning In Place system – CIP)

Vacuum drying oven

- No concealed surfaces
- Rounded corners, no sharp edges
- No feed-throughs for the heating medium
- Outstanding surface quality
- Excellent temperature distribution
- Anticorrosive materials
- Turning latches to pharmaceutical standards
- No cross-contamination
- Easy to clean (CIP system)
- EHEDG certified

Pressure nutsch

- Separation of liquid and solid products
- Cake filtration of concentrated suspensions
- Type and size according to specific product and process requirements
- Filtration in a self-contained system
- Removable filter basket



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