

Tray Dryer

Gentle Drying



Tray Dryer expert pharmaceutical industry

For more than 70 years Lytzen has supplied ovens for the pharmaceutical industry. Since the very beginning it has been a company goal never to compromise on the quality of our products, a fact that has proved most beneficial.

Application

Lytzen Tray Dryers are designed for gentle drying of all kinds of granulates within the pharmaceutical industry.



Tray Dryer

Function of the Dryer

The drying process is effected by a horizontal air flow. The unique construction of the chamber secures a uniform air distribution and a minimal difference of temperature inside the chamber, providing the most efficient drying.

Lytzen Tray Dryers can be supplied with 100% air exchange.

The heating media can be electricity, hot water or steam.

Quality Design

Lytzen Tray Dryer advantages:

- Chamber dimensions according to customers request.
- Reliable production.
- Effective, uniform and gentle drying.
- Safe production.
- Electrical-heated Dryers for ex-classified areas.
- Reproducible process.
- Construction according to cGMP.
- Chamber and cabinet in stainless steel AISI 304 / AISI 316L.
- Steam heating element in stainless steel AISI 316.
- Electrical heating element in stainless steel AISI 321.
- Long life time.
- Low service cost.
- High-quality components from world-wide recognized sub-suppliers.
- All inside sheets are easy removable for cleaning and inspection.
- Suitable for CIP.
- PLC control system.
- Comprehensive operating and maintenance manual.
- Full line of accessories.

Comprehensive Tests

All Tray Dryers are tested before delivery to make sure customers requirements are met.

The test results and other data are included in the documentation supplied with the Tray Dryer.



Onsite test

ATEX certification

The Tray Dryers for classified areas are in compliance with the ATEX-directive:

Primary safety systems:

- Alarm for insufficient air flow automatically cuts off the heating system.
- Heating element with low surface temperature and safety thermostat.
- Gas monitor cuts off the heating system if concentration is too high.
- Spark free construction.

Secondary safety systems:

- Explosion door-relief door.
- Emergency switch.
- Automatic door interlock system.

Control system

The Lytzen control system LG1 controls a full-automatic cycle. Easy operation by selection of pre-programmed recipes.

The system is designed to record :

- Time.
- Temperature.
- Concentration of solvents (ATEX).
- Humidity.



HMI Touchpanel

Accessories

Trays are included in Lytzen's standard range of accessories. Sizes are applicable to all Tray Dryers and their associated mobile racks. The trays are stainless steel AISI 316, electro polished.

The trays can be placed directly on tray supports

inside the chamber. As an alternative, the tray can be loaded by mobile racks directly from the floor via ramps. The mobile rack can be supplied with a transfer trolley to avoid contact between mobile rack and floor outside chamber.

All accessories are specially designed to keep the high demands for cleanliness within pharmaceutical production facilities.



Mobile rack with trays

Service/Spare parts

Lytzen offers service world wide. Through our world covering net of representatives and Lytzen's own service technicians, we can offer service anywhere in the world.

As Lytzen uses only high quality world-wide known brands whenever possible, it is very easy for the customer to have access to most spare parts local. It also allows for assistance from locally representatives of Lytzen sub-suppliers in case of hardware problems with equipment on the Tray Dryer.



Transfer trolley and mobile rack



Lytzen is a high-technology organization, operating in markets around the world. We are the market leader for the development, production, and installation of ovens for the pharmaceutical industry.

Lytzen ovens are known for their high quality and are capable of meeting the most stringent demands for cleanliness and accuracy required by the pharmaceutical industry.

Lytzen ovens are a perfect match for discerning customers who understand that a little extra cost for superior quality and reliability is most profitable in the long run.

We look forward to serving you.



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