

Spray drying process - Atomization

Applications



Dessica™ Systems is a specialist in dry air technology and its applications in industrial environments for drying and dehumidification.

Dessica™ Systems has developed its distinctive know-how by delivering innovative solutions tailored to the needs of dry air usage in the manufacturing processes of several types of customers.

Our expertise is demonstrated mainly in the following areas:

- CONFECTION PRODUCTION
- DRYING HEAT SENSITIVE PRODUCTS
- PNEUMATIC TRANSPORT & SILOS
- PHARMACEUTICAL INDUSTRY
- PLASTICS PROCESSING
- FROZEN PRODUCT STORAGE
- CORROSION PROTECTION
- WATER TREATMENT
- DRY & ANHYDROUS ROOMS
- SEEDS STORAGE & PRESERVATION
- FOOD PROCESSING
- INDUSTRIAL BAKERIES & PASTRIES

SEE HOW DESSICA SYSTEMS WILL BRING ADDED VALUE TO YOUR CURRENT SPRAY DRYING PROCESS:

Description

All companies using a spray drying tower are facing challenges. Atomization drying towers are subject to external & seasonal variations. The mixing ratio (absolute humidity) of the upstream air is a determining element in the capacity of the tower. In summer, when this ratio is high, the capacity decreases, whereas in winter, this ratio is lower, the capacity is higher. These variations make it more difficult to operate the tower with a high risk of production disruption.

Dessica™ Systems' control the humidity of the upstream air of the spray drying towers to obtain constant and stable intake conditions.

Benefits

Here some additional benefits:

- Minimize the risks of production interruption due to climatic variations and the sticking of products on the Tower walls
- Maximise the capacity of the drying tower and stabilized the residual moisture in the final product
- Optimize and reduce the energy consumption using a patented innovative technology

The quality of our products, our installation efficiency and the impact on your work processes will be almost immediate.

We have established our reputation by exceeding the expectations of our customers. If you are looking for an innovative way to improve your profitability, it will be a pleasure to meet with you and provide more specific benefits of Dessica™ Systems for your company.

Dessica™ Systems is your specialist in dry air!

Contact us for more information!

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