

CONFECTIONERY



- More efficient drying times
- Consistent, high product quality
- Same production climate all year round

Controlled climate

DST supplies flexible dehumidifiers which can be customized to guarantee exactly the right climate for the production of chocolate and other confectionery. Dry air provides for uniform products all year round, with no risk of stoppages or spoilage.

Chocolate

Fat blooming and sugar blooming are two common problems when manufacturing and storing chocolate. Both kinds of blooming can occur a few hours after production, and during storage if the ambient air is too humid. The relative humidity (RH) should not exceed 60% during production and storage. Using dry air when cooling chocolate products in cooling tunnels prevents condensation from forming on products and the tunnel. This enhances hygiene levels and products do not become sticky or stick to the conveyor belt.

Sugar coating

It is necessary to maintain control over the ambient humidity when sugar coating products. Quality is impaired if the ambient humidity is too high, and products readily stick to one another. During the damp season, the humidity also means that the drying time – and hence also the coating time – is extended. Dehumidification ensures that the same drying time and quality are applicable all year round.

Package

Boxes and stacking trays become stuck on the conveyor belt in the packaging machines if they are damp. The packaging process can be improved by using dry air as this ensures that products do not become stuck on machinery or wrappings.



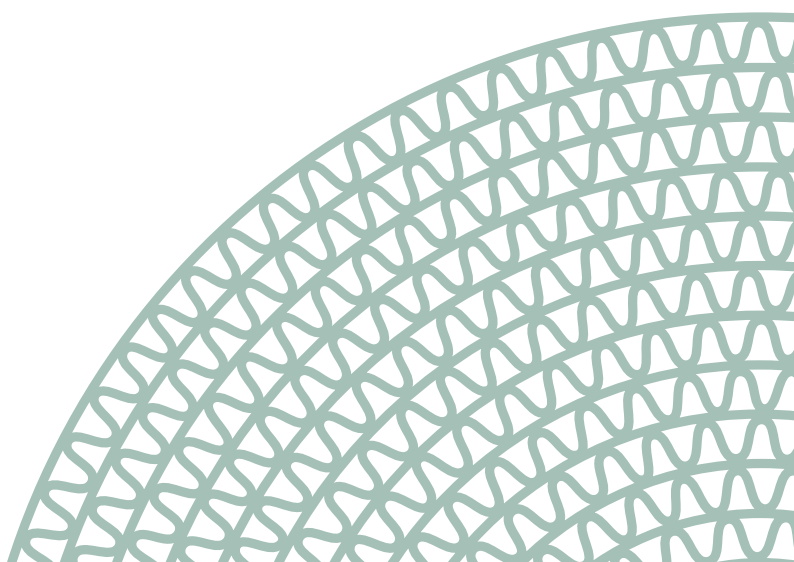
Sugar

Sugar becomes sticky or even dissolves if the ambient humidity is too high. When storing sugar loose or in sacks it is therefore a good idea to control the ambient humidity on the storage premises. Sugar silos should be fed with dry air to protect the head space from condensation.

References

Arla, Brittish Sugar, Cadbury, Cloetta Fazer Suklaa OY, Cykoria S.A. Unilever GmbH, Danisco Sugar, Knorr AG, Kraft Foods, Kraft General Foods, Malaco Leaf Milko, Monkhill, Mars, Mars AG, Nestlé, Norrmejerier, Pontefract, Thayngen.

World leaders in dehumidification.



Seibu Giken DST AB

TO SELECT A DEHUMIDIFIER

Seibu Giken DST AB can provide the answer to the specific needs of every application. There is no problem requiring the supply of dry air that cannot be solved. Visit us at www.dst-sg.com and find your nearest technical representatives to discuss your requirements.

Why dehumidify?

Dehumidification of air is an economic and effective way of avoiding problems that moisture can cause, such as rust, condensation, icing, mould and disruptions in production cycles. DST representatives have the experience of dehumidification solutions for everything from; warehouses, refrigerated storage, cleaning up the industry and buildings and climate solutions for the process industry. A regulated level of humidity is also very important when handling hygroscopic ingredients.

Seibu Giken DST AB

DST is a Swedish company, founded in 1985. We are now a leading international supplier of desiccant dehumidifiers. DST has been a subsidiary of Japanese company Seibu Giken Co Ltd since 1993. DST is currently represented in over 40 countries throughout the world. Seibu Giken Co manufactures dehumidifier rotors, VOC rotors, heat exchangers and more.



Flexisorb unit CF-192



Stainless steel dehumidifiers from Seibu Giken DST.
From left DR-010B, DC-5, AQ-31L



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Updated 19.01



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