

# WOOD STORAGE



- Ensure the right moisture ratio
- No change in shape
- No additional drying required

## The significance of air

Wood which is sawn and dried is especially sensitive to moisture changes, because sawn materials are searching for equilibrium with ambient air humidity. The wood is adapting to both temperature and the moisture in the surrounding.

## Storing sawn timber

Dried and sawn wood that is used for furniture production shouldn't have a moisture ratio in excess of 8-9%. Wood being used for doors and windows should have a moisture ratio of 12%. If this kind of timber is stored in an area without dehumidification, the quality may vary greatly. Varying moisture levels may cause the structure of the wood to change, which may cause problems with processing the wood during final production. This can lead to that the end customers are not satisfied with their product. So the biggest threat to the quality of the wood is sharp fluctuations in climate and varying humidity of the surrounding air.

## Dehumidification optimised for stores selling wood

The purpose of dehumidification of wood storage for the wood products industry is to always achieve a constant indoor climate so that the timber supplier can guarantee its end customers consistently high quality of its products. Recusorb from Seibu Giken DST AB works with heat recovery and can use steam, electricity, gas or hot water as regeneration power source. Recusorb dehumidifiers can optimise the indoor climate of wood storage in order to ensure quality.

## Controlled climate ensures quality

The moisture ratio and relative humidity are practically independent of the temperature on the premises. But heating costs can be reduced if you regulate the indoor climate after the dew point instead of after relative humidity.

*World leaders in dehumidification.*



## References

**Austria:** Hanger, Hechenblaickner, Kepplinger, Kieslinger, Ligna Trading, Lichtenstaen Holz

**Czech Republic:** Štětí

**Finland:** Pölkky Oy

**Malyasia:** Kurz production SDN. BHD

**Netherlands:** Corenso

**Singapore:** Sumitomo Bakallite

For more information on how dehumidified air can improve the climate in storages, contact your nearest DST representative, [www.dst-sg.com](http://www.dst-sg.com)

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](http://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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