

The Dew Point

Solutions to moisture related problems.
Information from Seibu Giken DST AB

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Oasens ice rink is dehumidified by Seibu Giken DST

Kungälv is a little town with almost 16,000 inhabitants, situated outside of Gothenburg. Even though it is a small town, they have an exorbitantly big interest in sports. Oasens ice rink is located in the heart of the town and was opened in the autumn of 1995.

Oasens ice rink is unique, it has ice in the rink 365 days of the year. The ice rink is being used by different sports teams and schools for figure skating, ice hockey and ice skating. These various activities are taking place from early morning until late in the evening. This contributes to a high pressure on the ice rink, and a good climate is a must for keeping the hall and ice at a good quality.



An installed DST Flexisorb dehumidifier in Oasens ice rink ventilation room.



Oasens ice rink in Kungälv.

If an ice rink doesn't get dehumidified condensation can form, often on the ceiling where it's cold. Then it can drip down on the ice which causes indentations and a poor-quality ice surface. Moisture can cause products such as steel to rust and the equipment not to dry properly. When a non-dehumidified hall is filled with an audience fogging can occur, which both greatly affects the indoor climate and makes it hard to see well. The main problem with Oasens ice rink was that condensation formed on the plexiglass around the rink and their equipment did not dry. They also had problems with extra moisture in the hall during events when the number of spectators in attendance was around 7,500. They wanted a solution that gave them a good environment with low energy costs.

Fuktbehandling AB had the honor to deliver a Seibu Giken DST dehumidifier during the summer of 2016 which solved their moisture and ventilation problems. The unit is a custom made Flexisorb unit that will regulate both the moisture and the ventilation at the hall. The moisture is controlled via the dew point, which means that the humidity in the hall is kept so that condensation will never occur. The air quality is continuously measured so that the unit knows if it should let in more or less fresh air.

DST's Flexisorb dehumidifier will keep Oasens ice rink free from moisture and ventilation problems for plenty of years. After 10 years DST's dehumidifier still maintains 90% of its original capacity.

Read more at: www.fuktbehandling.se or www.kungalv.se

Congratulations Relita on 20 years!

Facts about humidity

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| 100%RH | Fog or rain |
| 90%RH | High risk for bacterial growth |
| 80%RH | Annual average value outdoors in Sweden |
| 70%RH | Risk for mold and fungal growth increases strongly |
| 55-65%RH | Max humidity for corrugated cardboard |
| 50%RH | Risk for corrosion greatly increases |
| 35-40%RH | Carpentry timber drying |
| approx. 30-40%RH | Storage of photographic material |
| 20-25%RH | Max humidity during manufacturing of maize flour molds |
| 20%RH | Max humidity for manufacturing of effervescent tablets |
| 10%RH | Max humidity during gelatine manufacturing |
| 1-2%RH | Max humidity during lithium battery manufacturing |

*RH = Relative humidity, rather simplified, is "the quantity of water in the air as a percentage, compared with the air's maximum allowable water content at the temperature in question". 100% RH = steam.

Relita AB was founded April 15, 1996, and have now 20 years later over 350 employees. Relita is the market leader in their industry in Mälardalen, Sweden. They are headquartered in Uppsala and have offices in Stockholm, Norrtälje, Borlänge, Västerås, Tierp, Sala och Gävle.

Relita is a full-service company involved in sanitation, property, construction and transportation industries. Since the start, Relita has offered dehumidification services such as structural drying for water damage restoration projects as well as the installation of dehumidifiers for condensation control in various applications. The day Relita started Tomas Ericsson from Garsviken Moisture & Energy Technique AB went to visit them. Garsviken since then has been a proud supplier of more than 500 DST dehumidifiers to Relita and their dehumidifier company, which was founded in 1997. Over 300 of the delivered dehumidifiers are being used for drying services.

Kent Öhrlund, business developer at Relita, says that the reason they have chosen to use DST's dehumidifiers,



Kent Öhrlund, Business Developer and Torbjörn Borgström, CEO.

especially the DR-30, is because they are robust and both easy to manage and to service. They specifically like the fact that they are very reliable and have a long lifetime. Most of the dehumidifiers that they have acquired and installed throughout the years are still in operation.

Read more at: www.garsviken.nu or at www.relita.se



Seibu Giken DST dehumidifier DR-30 ready for the clean-up job with Relita.

Do not miss the next issue of The Dew Point that will be distributed in Spring of 2017.

Contact info@dst-sg.com if you want to have The Dew Point delivered to your mailbox.

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