Humidity can be devastating to productivity and quality of the products. HuTek desiccant dehumidifiers can solve such problems. By removing moisture directly from the air, HuTek desiccant dehumidifiers can ensure the proper humidity level, precisely and effortlessly.

HuTek desiccant dehumidifiers can be equipped with optional built-in energy recovery unit, built-in pre-cool and/or after-cool units to fulfill even the most complicated humidity/temperature control applications. Whatever your applications are, HuTek dehumidifiers can deliver the most reliable and efficient results, ensuring the greatest productivity and quality for your business.
principle of operation

When process air passes through the desiccant rotor, moisture is adsorbed inside the rotor, resulting in a dry air coming out of the dehumidifier (dry air process). Adsorbing moisture from the process air, desiccant rotor is becoming saturated with water. Desiccant rotor is turning slowly and saturated water will be removed by heated air (reactivation process). Wet air, as a result, is released to the outside of controlled space while reactivated part of desiccant rotor fully regains its ability to adsorb moisture from the process air.

HuTek Advantages

PRECISION HUMIDITY CONTROL:

VERSATILED AND FULLY CUSTOMIZED

HuTek dehumidifier can be customized and equipped with several optional accessories such as built-in pre-cool and/or after-cool unit. Moreover, HuTek dehumidifier can be customized with variety of desiccant materials (Silica Gel/LiCl/Molecular Sieve) for different application requirements and surrounding atmospheres. High degree of flexibility ensures that HuTek dehumidifier will perform suitably and effectively for any specific application and environment.
**HuTek Advantages**

**ENERGY EFFICIENT:**

HuTek dehumidifier provides various choice of reactivation energy sources (electric/steam/gas) which can be chosen depending on which energy source is the most economical.

HuTek dehumidifier can also be equipped with optional energy recovery unit (ERU). ERU can recover energy from wet air and feed back into reactivation air, saving additional 10-30% of energy.

**RELIABILITY:**

HuTek dehumidifier is designed with simplicity and easy maintenance in mind. Every part that is required regular maintenance such as filter box is easily accessible. Its simplicity design allows for long continuous service life.

**TECHNICAL SUPPORT:**

With more than 30 years of experience in controlling temperature / humidity for various applications. Our experienced staff can help you with designing and customizing proper HuTek dehumidifier that is most suitable for each specific application. We can also provide comparative study between various applications to ensure that you will make the right investment decision for your requirement.
Applications

Corrosion/Condensation Prevention
- Military Storages
- Power plants
- Suspended Bridges
- Copper Storages
- Plastic molding
- Sand blasting/ coating/ surface preparation
- Food processing plants

Preservations/ inhibit growth of microscopic organisms
- Art galleries
- museum
- photo archives
- Seed storages

Improving Manufacturing process/ hygroscopic material stabilization
- Pharmaceutical
- confectioneries
- Wood/ furniture
- Safety/ glass
- Electronic/ semi-conductor

Simplify Drying process
- Compressed air dryer
- Plastic resin
- Artemia
- Low temperature drying

Maintain required humidity condition
- Clean rooms
- Paper testing labs
- Humidity control rooms

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