

COATING AND SURFACE TREATMENT



- Shortens working time
- Ensures high quality
- Equal result all year round

Desiccant technology is effective in creating a year round humidity controlled environment to avoid corrosion during surface preparation. Corrosion rates accelerate exponentially with relative humidity (RH) over 50% and most coating compliance is 80%RH on a metal surface. The effect of thermal inertia usually required the surrounding air to be 20-30%RH (4-6°C, temperature difference from surface to air) less than the required surface humidity to allow for this.

Other methods of heating require full surface heating which causes very high energy costs. Refrigeration is only effective in climates which is humid all year round and it is still unable to achieve the dryness required due to the surface humidity requirement.

Benefits with dehumidification

- Avoid corrosion
- Comply with coating specification
- No delays due to weather
- Ability to schedule works year round

Benefits for Marine

- Able to conduct works in or out of water
- Able to store engine and electronics in place
- Able to effectively mothball or temporary layup
- Also useful in composite and coat compliance

Benefits from surface preparation and coating internals of vessels and storage tanks

- Year round humidity control
- Hold the blast
- Create coating across entire surface at one time.
- Fast job duration with better chance of a quality lining outcome



References

Australia: Geogon project NW shelf gas tanks

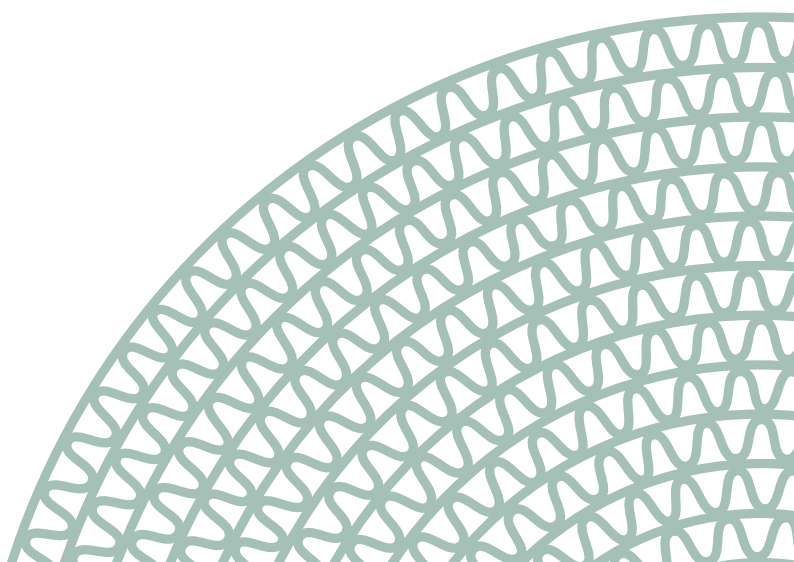
China: SG rotors used in various shipyards

Korea: SG rotors used in various shipyards

Netherlands: Seaway supply, Doornbos Equipment

Norway: Westwood Shipping lines, Billabong Shipping AS, GearBulk, Hoegh fleet shipping AS, Grieg Shipping A/S, Green Shipping

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 RF-102



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



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