

Alfsen og Gunderson AS

Tank dryers, cargo hold dehumidifiers, inert gas dryers, Ex dehumidifiers

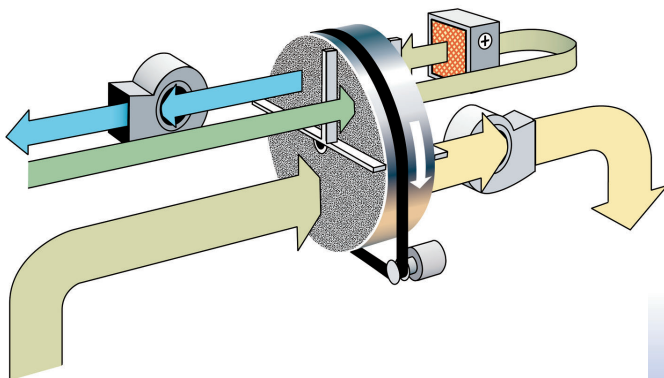
Alfsen og Gunderson AS (AG) has since the 1960's, supplied the maritime sector with air dryers (dehumidifiers) based on sorption technology. Other activities are water treatment, pumps, heat treatment, dust and gas filtration, and powder handling.

Cargo hold dehumidifiers

Cargo and equipment are particularly vulnerable to damage from moisture. For example, when shipping newsprint from cold to warm climates, cargo temperature can "lag behind" and humid air from the outside can cause condensation in cargo holds, thus damaging the cargo. The same problem can result from differences in daytime and nighttime temperatures. Designed to control and monitor the air humidity in cargo holds, AG's cargo hold dehumidifier system features a sorption dehumidifier, a circulating air fan and a control/monitoring system to ensure that cargo arrives dry and undamaged.

Tank dryers for chemical tankers

AG-S tank dryers are designed for installation on chemical tankers for efficient drying of tanks after cleaning, resulting in reduced lay-time. Made of corrosion-resistant materials, AG-S tank dryers are delivered with airflows from 2,000 m³/h to 20,000 m³/h, and with fan pressures, regeneration medium and other parameters based on customer requirements. AG can also supply block-, bleed- and check valves for dry air piping from safe to hazardous area.



AG's maritime dehumidifiers are based on the Recusorb principle: Efficient drying at all relevant temperatures, also below 0 °C.

Drying during surface treatment

AG supply mobile, heavy duty drying equipment, either as 10ft containers or with robust frame. They are used during surface treatment jobs at yards, and also in ballast tanks at sea. Dry conditions are maintained until the first layer of paint is applied. The dryers can be located several hundred meters away from the tank (hose connection) and dry conditions are achieved in tanks even when the ship is at sea.

New inert gas dryers

AG has introduced inert gas dryers for LNG vessels, drying the inert gas to a dewpoint below minus 45°C. Improvements compared to conventional dryers are considerable reductions in weight and required installation space.

New Ex dehumidifiers.

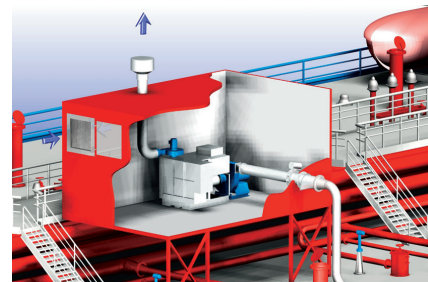
AG can also supply Ex dehumidifiers for installation in hazardous area.

Dehumidifiers instead of coating

AG installs dehumidifiers in void spaces; these can completely replace coating systems inside. This results in safe corrosion protection and substantial cost reduction.

Seibu Giken rotors

AG dehumidifiers utilize the high-quality Seibu Giken SSCR silicate rotor to ensure low life-cycle costs.



AG-S tank dryers provide efficient drying and reduced lay-time for chemical tankers.



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Stålverksv. 1, NO-0661 Oslo

Tel.: +47 22 70 77 00

E-mail: post@ag.no

P.O. Box 6052 Etterstad, NO-0601 Oslo

Fax: +47 22 70 77 01

Website: www.ag.no