



Archival storage environments

Climate control solutions



For over 75 years, Alfa Laval Kathabar has engineered and manufactured liquid and dry desiccant systems for dehumidification and energy recovery applications. Our technologies improve the reliability, economy and efficiency of any manufacturing or processing operation that is humidity, temperature or microorganism-sensitive. We meet the ever-changing needs of our customers with quality products – providing reliable, precise and economical temperature and humidity control.

Alfa Laval Kathabar climate control systems provide a perfect solution for a wide range of applications for industrial, commercial, institutional and green/LEED facilities.

Applications:

- Archive and record storage
- Libraries
- Art galleries and museums

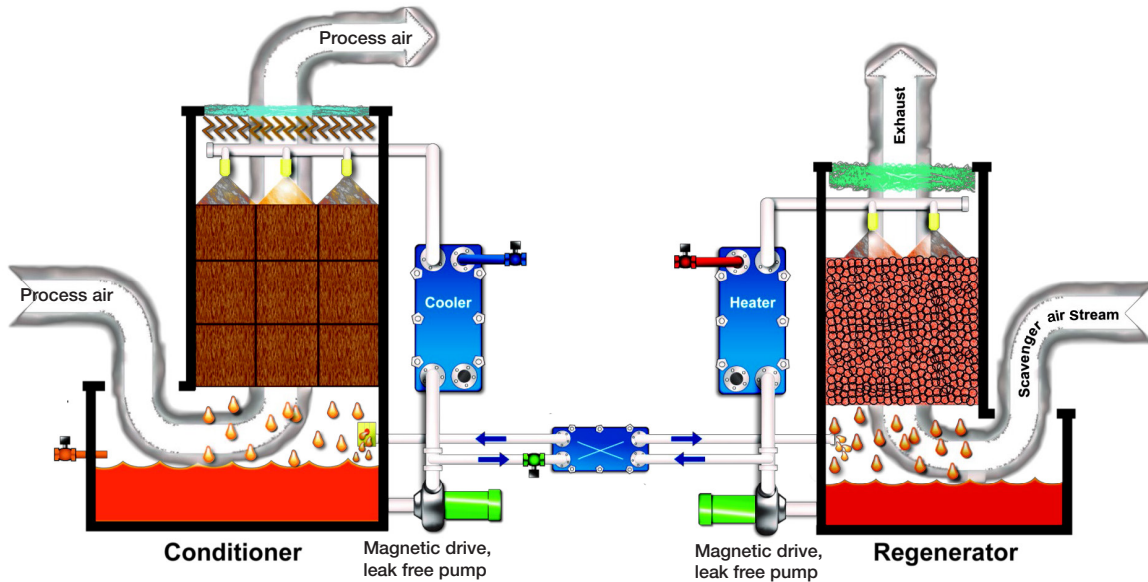
Advantages:

- Preservation
 - Prevent degradation of stored records
 - Inhibit color fading and paper decaying
 - Eliminate airborne mold
 - Protect integrity and value of archives
- Energy advantage
 - Precise humidity control
 - Reduce refrigeration tonnage by eliminating costly sub cooling and reheat of process air
- Operational advantage
 - Reduce maintenance expenses
 - Consistent archive environment

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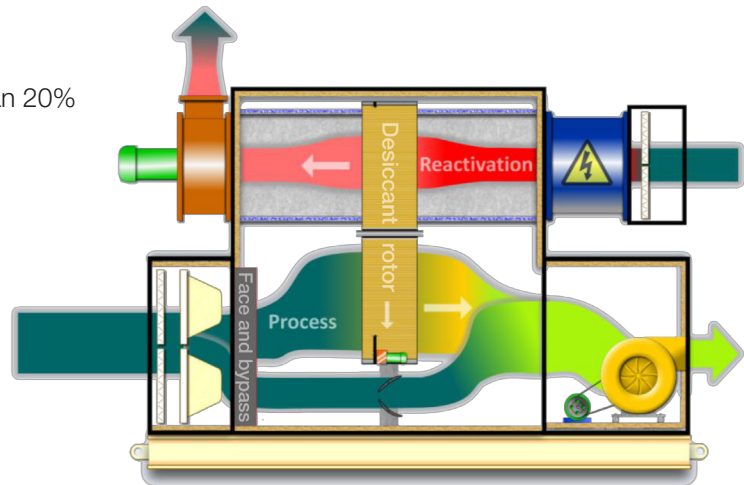
Benefits of liquid desiccant technology:

- Simultaneous dehumidification and direct air cooling
- Simple design provides high energy efficiency
- Microbiological decontamination
- Effective biocide captures and neutralizes airborne pathogens
- Performance reliability
- Energy savings – 100% modulation capacity
- Precise humidity control ($\pm 1\%RH$)
- Fully adjustable humidity level based on liquid desiccant concentration and temperature
- Temperatures as low as $-60^{\circ}F$ with no coil to freeze up or defrost
- FRP (fiberglass) non-metallic industrial construction
- Design flexibility



Benefits of dry desiccant technology:

- Dehumidification independent of cooling
- Best suited for warm, dry applications (less than 20% relative humidity)
- Low discharge humidity range
- Complete packaged systems
- Humidity control ($\pm 2\% RH$)
- Modulating capacity control
- Use readily available utilities
- Thermally insulated
- Large capacity range



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Alfa Laval reserves the right to change specifications without prior notification.

How to contact Alfa Laval

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