



Pharmaceutical manufacturing

Liquid desiccant 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.

Applications:

- Tablet compression
- Packaging
- Compound mixing
- Coating and pouring
- Sterile filling
- Hard shell capsule manufacturing
- Soft-gel capsule drying
- Hard capsule filling

Advantages:

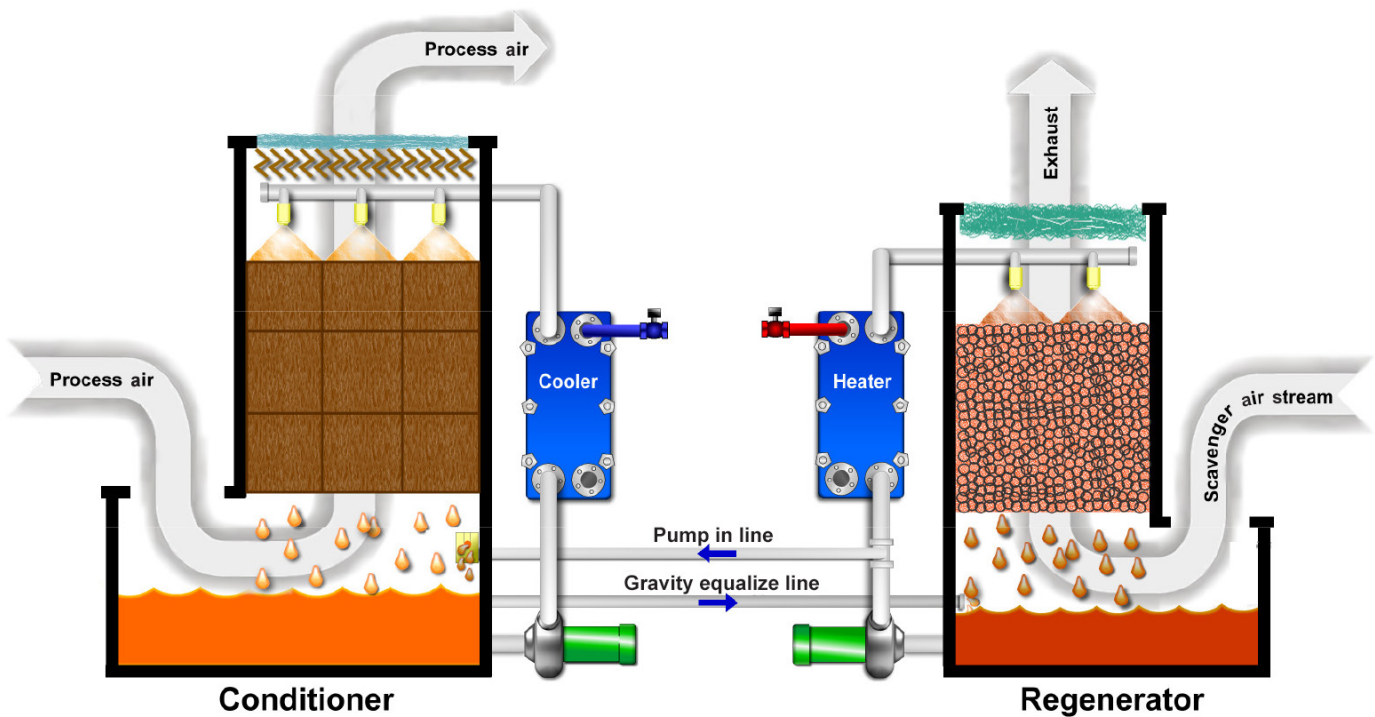
- Production advantages
 - Increase throughput with precise humidity control (+/- 1% RH)
 - Improve product quality
 - Consistent environments for multiple rooms
- Operational advantages
 - Maximize production rates by eliminating costly down time due to poor air quality
 - Reduce maintenance expenses with robust industrial design
 - Operate in low temperatures with frost free cooling as low as -60°F
- Clean air
 - Eliminate bacteria and viruses from process air
 - Scrub the air of dust, particulates and oils
- Energy advantages
 - Reduce utility consumption through simultaneous air cooling and dehumidification
 - Utilize low cost cooling and heating sources

Alfa Laval Kathabar liquid desiccant solutions help to deliver a predictable environment for pharmaceutical manufacturing.

Liquid versus dry desiccant system comparison:

- Liquid desiccant systems have lower first time costs (>10,000 CFM).
- Liquid desiccant systems have lower operating costs.
- Liquid desiccant systems are less expensive to maintain.

- Liquid desiccant systems provide fast, direct response for space humidity control.
- Humidification and dehumidification are standard features for liquid systems.
- Liquid desiccant systems are effective air scrubbers, especially in dusty environments; while dry desiccant wheels can become fouled with particulate, which degrades efficiency and eventually leads to costly wheel replacements.
- Liquid desiccant systems can be monitored while the system is in operation.



Liquid desiccant packaged conditioner

Alfa Laval Kathabar
 Phone +1 716-875-2000
 Email: sales.kathabar@alfalaval.com
 Web: www.kathabar.com

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

How to contact Alfa Laval
 Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com