



THE ULTIMATE SOLUTION FOR MOISTURE REMOVAL

DESICCANT DEHUMIDIFICATION SERVICES

steamatic.com.au



DESICCANT DRYING FOR COMMERCIAL PROPERTIES

After disaster strikes, there's usually a need to apply a range of restoration technologies, especially where a facility has been damaged by water. It's not just the building's contents that require specialist treatment, the structure will need attention to mitigate the damage and to address on-going problems such as poor indoor air quality caused by mould, bacteria and virus growth, quickly, efficiently and permanently.

Steamatic has led the disaster recovery field for over 30 years, with restoration technologies to get business open again, fast. Now Steamatic has introduced large volume Desiccant Dehumidifiers that surpass all current technologies available in Australia. As you'll discover, these dehumidifiers offer a specialist drying option for structures and contents that could often be deemed non-restorable using traditional drying methods.

A powerful thirst for water

The ability to extract water from a building's structure and contents after a disaster has several variables. These include its design, construction materials and the temperature and humidity of its location. And it's these variables that largely define what type of drying system is best suited to the job.

The surrounding air's ability to absorb water vapour depends greatly on its temperature and humidity. For example, cold wet air will not absorb water vapour as quickly as warm, dry air.

The key is to have technologies that suit the actual conditions found at any given disaster site.

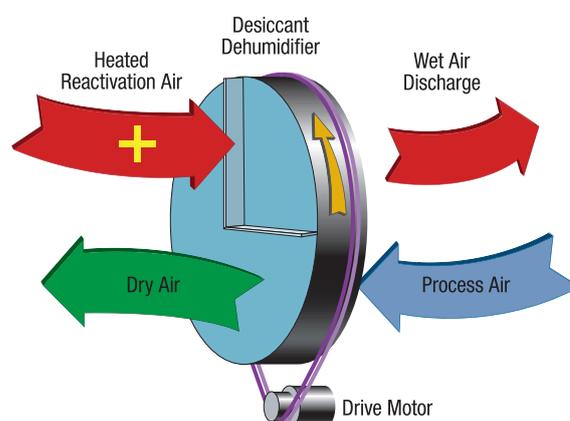
Steamatic's Desiccant Dehumidifiers are a great new asset available to water damaged sites. Their high-volume capacity allows us to restore water damaged buildings to their pre-existing condition regardless of size. The key is the use of dense, silica desiccant material (similar to those found in vitamin and mineral containers). They have a natural affinity to absorb water vapour. Even in low temperatures (below 10 degrees Celsius), the desiccant's ability to draw moisture and to eject it from the building makes them highly effective and gentle on the building's structure and contents, drawing moisture gradually and at a constant rate. Desiccant drying offers optimum drying conditions for dense materials such as concrete, plasterboard, solid wood, electrical cabling, fixtures and fittings as well.

There's nowhere desiccant drying can't reach

It's essential that all areas of a structure are uniformly dried before any building works take place. If not, these areas can be a breeding environment for unhealthy mould, bacterial and viruses. That means that every part of a structure needs to be inspected and tested using moisture detection equipment. Using moisture detection can prove that the building contains abnormal moisture levels or has met its equilibrium moisture content level.

Steamatic's Desiccant Dehumidifiers are placed outside a building and are securely ducted to areas of the structure that needs drying.

Comparative Facts	Desiccant Drying	Refrigerant Drying
Relative humidity maintained	10%rH	40–50%rH
Pricing methodology	Fixed meterage rate, Know up front	Daily /weekly hire
Business interruption	Plant external to facility Can continue to trade	Multiple units throughout occupied areas
Power	Electric or gas Independent of site power	Requires large amount of 240 volt power
Capacity comparison	One large desiccant	Twenty to forty standard refrigerant units



Steamatic's high volume Desiccant Dehumidifiers can be deployed almost anywhere. They are placed outside the water damaged building and are ducted to affected areas within the structure.

Noise and heat remain outside, including excessive humidity which is exhaust to the outside environment. Even high-rise buildings are no challenge. And to ensure a rapid response, Steamatic has desiccant dehumidifiers located in all of Australia's major cities.

Another advantage for building occupiers and insurers is that this form of rapid drying technology reduces reconstruction time and cost, business interruption is reduced as our drying takes place with no disruption to the indoor environment allowing all sub trades to commence their work whilst drying takes place.

Matching the technology to the challenge

Because Steamatic is the industry's technology leader, we're able to offer a complete suite of restoration solutions for any job. That means

a mix of technologies and processes to suit the specific requirements of a particular disaster.

For example, Steamatic can commence structural drying, whilst contaminated building components and contents/stock are removed while the building is cleaned and disinfected.

Our experience includes Large Shopping Centres, State Universities, Commercial Buildings and Libraries.



GUIDE TO STEAMATIC'S RANGE OF SERVICES

Enterprises Supported

Agriculture
Commercial Entities
Educational Facilities &
Campuses
Electronic Data

Processing Equipment
Financial Industry
Government Facilities
Healthcare Facilities
Hospitality Industry

Industrial Facilities
Manufacturing
Power & Energy
Real Estate
Retail Industry

Steamatic Locations

Adelaide
Albury-Wodonga
Ballarat
Ballina
Batemans Bay
Bega
Bendigo
Brimbank
Brisbane
Cairns
Canberra
Central Coast NSW
Central West

Coffs Harbour
Devonport
Geelong
Gippsland
Gold Coast
Hobart
Horsham
Melbourne
Mildura
Moreland
Newcastle
Port Macquarie
Regional SA

Shepparton
Sunshine Coast
Sydney
Tamworth
Toowoomba
Townsville
Wagga Wagga & Riverina District
Warrnambool
Western Australia
Wollongong
Yea



The Steamatic group of companies is available 24/7 around Australia when disaster strikes.

THE STEAMATIC GROUP OF COMPANIES



go to steamatic.com.au for more information or call 1300 783 262