

Drymatic



The Drymatic's unique operation is based upon it's evaluation of the humidity and temperature of the room to be dried and then operating in the mode that provides maximum drying effect.

When initially switched on, the machine operates in 're-circulation' mode, taking air from within the room being dried and continually re-heating it until pre-set temperature and humidity levels have been reached. These settings can either be determined by the technician or the default settings of the machine.

It then switches automatically to 'exhaust mode', where powerful internal fans extract the air from the room, replacing it with an equal amount of fresh and pre-heated air from an unaffected area (which is generally indoors) to ensure an on-going optimised drying environment.

Adding controlled heat to the environment speeds up the drying process by promoting evaporation of moisture from the wet structure and contents. Increasing the ambient temperature allows the air to take on a higher water vapour content, which is then removed out of the property.

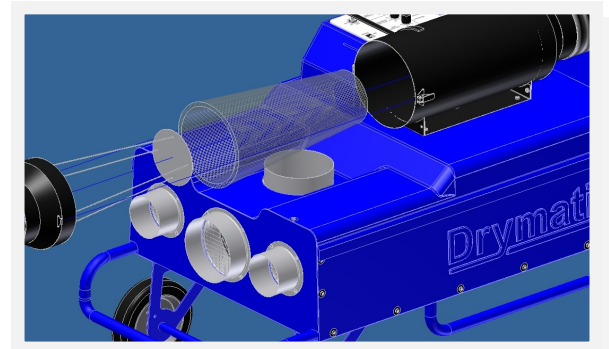
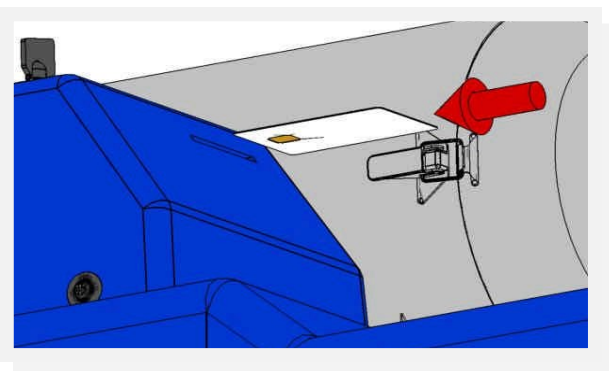
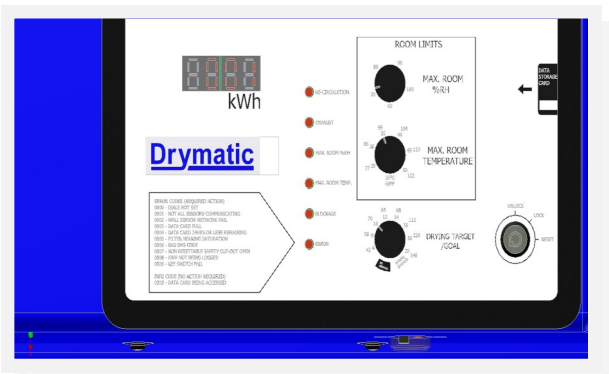
Within limits defined by the user, the Drymatic will monitor and adjust the room's environment, constantly optimising and exchanging the moist air with warm, dry air in a controlled manner to remove odours and ensure a faster, fresher and more efficient drying environment.

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|-------------------------------------|---|
| Rated Voltage | 230VAC |
| Frequency | 50Hz |
| Rated Power | 2.5kW |
| Power Factor | 0.9 |
| Electrical Protection Class | Class 1 |
| Ingress Protection (EN50529) | IP24 |
| Fused | 13A BS1362 |
| Supply Connection | BS1363/A (UK Plug) |
| Thermal Protection | Thermal safety cut-out (non-resettable) |
| Volumetric Flow | 150m3/Hr |
| Ducting Conditions | 100mm and 150mm |
| Weight | 55KGS |
| Dimensions (mm) LxWxH | 1390x625x780 approx |

This information is subject to change without notice. Data is given for illustration purposes only and does not release the customer from independent application tests.



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- ◆ Simple to use controls allow for quick installation.
- ◆ Sensors can be used to specify a drying goal based on a known 'dry' material ensuring that the property is not over-dried or under-dried.
- ◆ Clear status information from the on board control panel.
- ◆ Automatic kWh metering that does not lose memory in the event of a power failure.
- ◆ Additionally, the Datacard automatically logs project progress allowing the technician to interrogate drying performance via the software supplied.
- ◆ Infra-Red sensors communicate with the machine and enable the user to track the progress of specific walls/floors/ceilings within a room.
- ◆ Easy-to-access filter to allow simple servicing where required.
- ◆ Optional On-Board SMS Text Messaging Facility can communicate with a drying technician to notify them of any important events during the job such as the ones below:
 - Machine powered down
 - Blocked Filter
 - Room Dry
 - Wall Sensor Network Fail (Low Battery etc)

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The Drymatic allows the user to tackle any job that may present itself in the field.

Whether it be Concrete Floors, Block-work or timber the Drymatic offers a controlled drying climate within the room that enables quick efficient drying removing the threat of damage that other methods or systems may pose to the property.



The Drymatic allows the user to target dry specific areas within a room by using the remote sensors. A 'dry' representative sample can be selected as a reference point — this would determine the users 'drying goal'. A sensor placed in the 'wet' area will then communicate with the machine and ensure that the drying goal set on the Drymatic is met.



This data is logged to the datacard provided enabling the user to provide the client with accurate drying graphs as evidence that a job is completed to the clients satisfaction. Specialist Dryers can use this information to build up a portfolio of previous jobs.

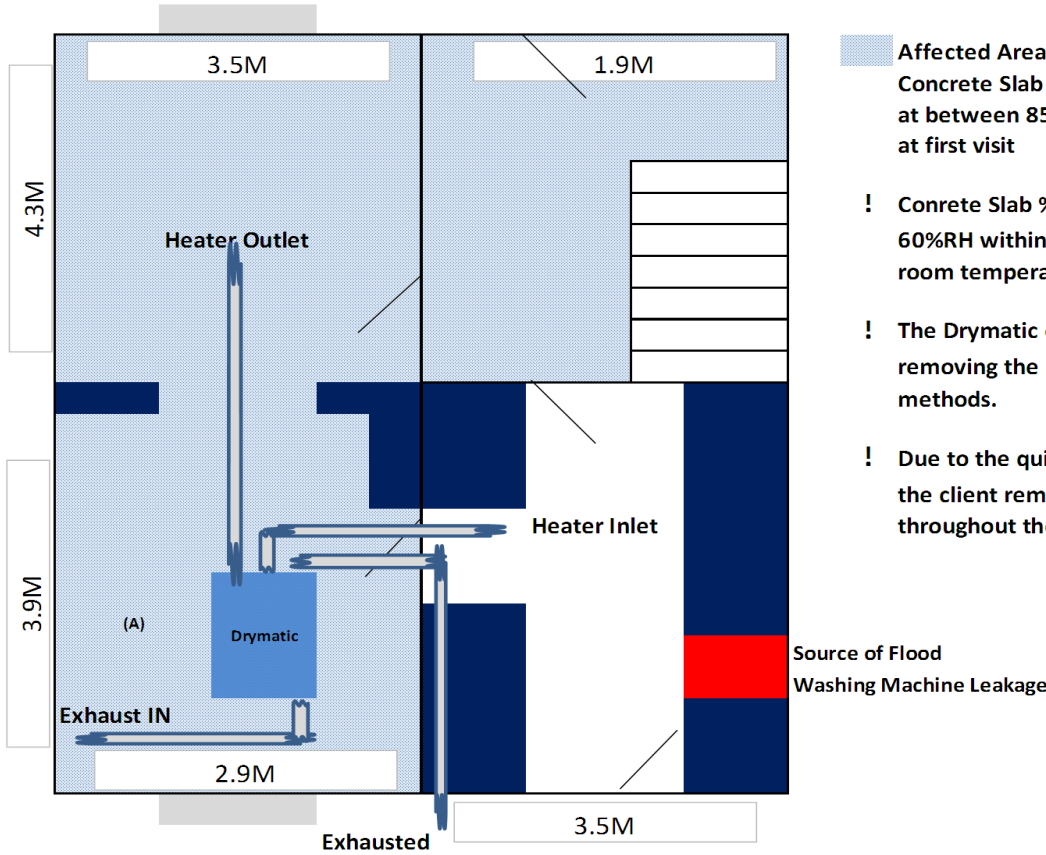


The Drymatic will work in conjunction with other conventional drying equipment enabling the user to make full use of what equipment they already have available.



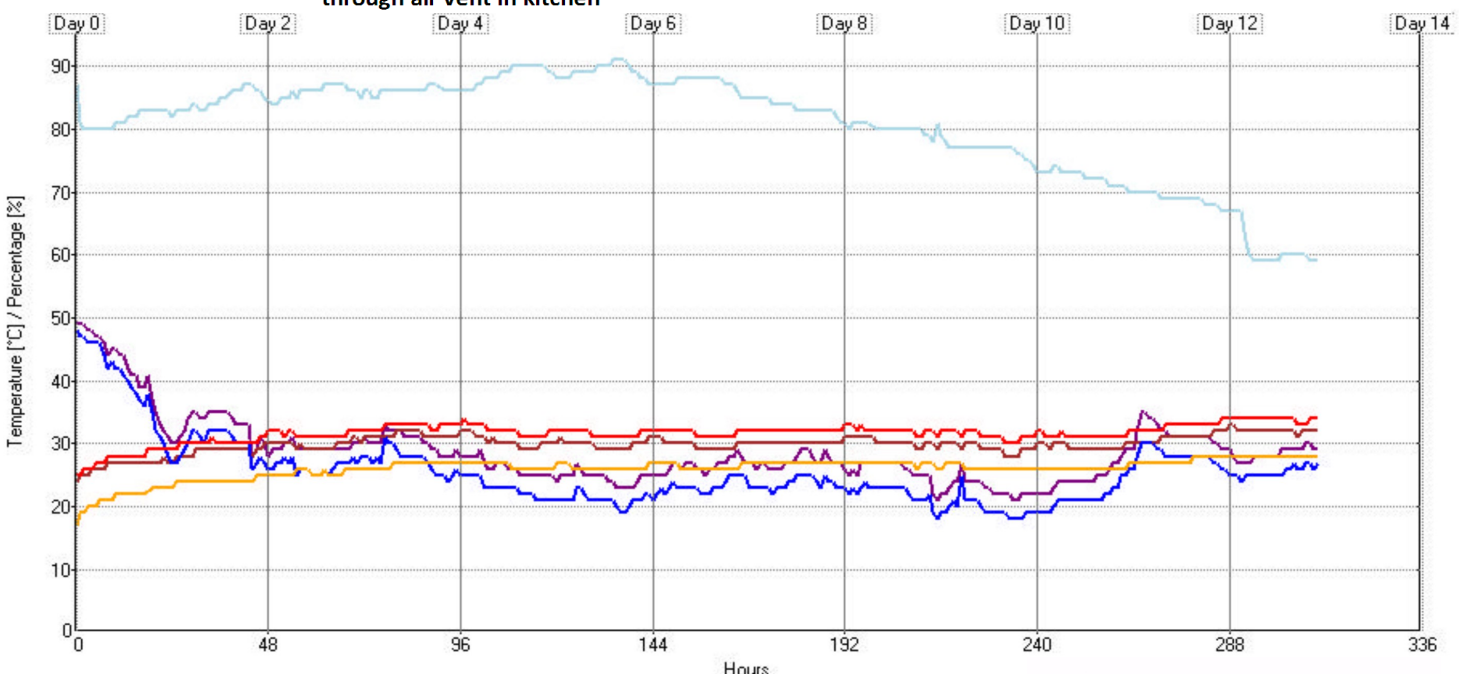
The increased ambient room temperature generated by the Drymatic will enable dehumidifiers to work more efficiently again promoting improved drying times than using conventional methods alone.

The Evidence



- ! Concrete Slab %RH reduced to approx 60%RH within 14 Days at an almost constant room temperature of 30°C.
- ! The Drymatic enables safe and efficient drying removing the risk of damage caused by other methods.
- ! Due to the quiet nature of the machine the client remained within the property throughout the whole job.

Exhausted through air vent in kitchen



| | |
|---|--|
| ■ Intake Temperature (°C) | ■ Intake Relative Humidity (%) |
| ■ Exhaust Temperature (°C) | ■ Exhaust Relative Humidity (%) |
| ■ Wettest Wall Temperature (°C) | ■ Wettest Wall Relative Humidity (%) |
| ■ Undamaged Wall Temperature (°C) | ■ Undamaged Wall RH (%) |

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