

# DRYMATIC II

## HEAT DRYING MACHINE



## THE RIGHT TOOL FOR THE JOB

The award winning DBK Drymatic system was developed to offer the Damage Management industry a cost-effective tool that would cater for a broad range of drying requirements.

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

- **Recirculation** – *area is continuously heated up until temperature or humidity limit is reached.*
- **Exhaust** – *Exchanging the warm, humid air with warm, dry replenishment air.*

The Drymatic II can cycle between these modes to maximise the amount of water removed from the area.



- Can achieve extremely low relative humidity < 10%RH
- Controlled ambient temperature up to max 50°C
- kWh metering and drying program memory that does not erase in the event of a power failure.



### Light weight & Portable

Stackable Rotomoulded double skinned housing and only 25kg.



### Safe & Easy to use

Touch-safe Heater Outlet and a simple Quick-Fix Hose Connection.



### Flexible Power, higher airflow

Portable, plug into a 10Amp Power Outlet (no gas or diesel required).

# COMMON QUESTIONS & TECHNICAL DATA

**Q. Where can I exhaust my wet air?** **A.** The preference is always to vent to outside as this is the most efficient and economical method. Common exhaust paths are directly through a window, extraction fans, letterboxes, cat flaps etc. If there is no available path to the outside environment the machine can be exhausted into the drain system of a toilet. The water can be drained and then the exhaust hose placed into the U-Bend where the warm, moisture laden air will condense. If additional dehumidification is being utilised the exhaust hose can be taken to the inlet of the dehumidifier and the replenishment air can be taken from the outlet to provide pre- conditioned air. Always take your replenishment air from the warmest, driest source available.

**Q. Where do I bring the outside air from?**

**A.** Replenishment air can be taken from an unaffected part of the building, outside or from a preconditioned area with low grains. Note: warm dry air is the best alternative for optimum results.

**Q. Where do I place the Room Intake Hose?**

**A.** The Room Intake and Heater Outlet hoses should be spread apart as much as possible to maximise circulation of air within the drying environment. Placing the two hoses close together will result in a 'short-circuit' of the room and this will inhibit the drying performance.

If you are drying a room with a crawlspace it is important to use air movement to aid in the mixing of air between both areas. Alternatively, a Y-piece splitter can be used on the Room Intake hose to pull air from two locations.

**Q. How Many Air Movers Should I Run?**

**A.** Air movement should be utilised when drying larger areas/ volumes and mixing of the ambient air is required. Ideally, the additional air movement should be supplemented by Boost Boxes to increase the amount of energy being put in to the drying environment.

**Q. Do I need to run a dehumidifier in the same chamber?**

**A.** No, the Drymatic uses the air as a vehicle to transport the wet air out of the chamber.

**Q. How large an area can Drymatic dry?**

**A.** The Drymatic II can manage the air within a room up to a size of 595m3. This means that Drymatic will fully exchange that volume of air in one hour when run on the high fan speed. The more air exchanges that take place the more effective the drying regime will be.

This calculation is based on movement of air only and not Drymatic's capacity to heat up the environment. When drying larger areas it is recommended that supplementary heating is provided via the Drymatic Boost Box. The number of Boost Boxes required depends on the building construction, how well insulated the property is and the thermal loss from that environment..

Model	FGPH063
Country	Australia/NZ
Power/kW	2.05
Voltage/V	230
Max Current/A	8.9
Frequency/Hz	50
Air Movement	650m <sup>3</sup> /hr Recirculation Mode, 595m <sup>3</sup> /hr Exhaust Mode
Weight	25kg
Dimensions	35 x 64 x 93 cm
Max Air Off	100°C
Operating Range	-20°C to 50°C
Construction	Rotomoulded double skinned housing

