



INDUSTRIAL DESICCANT DEHUMIDIFIERS

DF8/DF8 PR0 DF12/DF12 PR0

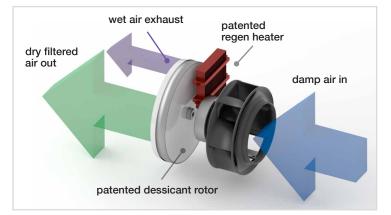




ionmax+



AN INTRODUCTION TO THE DRYFAN® TECHNOLOGY



The Ionmax+ EcorPro industrial desiccant dehumidifiers use DryFan[®] technology and a continuously rotating moisture absorbing patented wheel termed a "Rotor".

A highly efficient yet low noise fan draws air into the unit (Process Air) and forces it through a section of the rotor. As the air passes through the rotor, the honeycomb of hygroscopic membranes absorbs almost all of the moisture creating an extremely dry airstream. Most of this airstream (approx 85%) is discharged directly through the 'Dry Air Outlet'.

However, a portion, (approx 15%) of this air (Regen Air) is separated and directed through a special heater bank (Regen Heater) where the air's temperature is raised. This heated air is then channelled back through a section of the rotor.

As this hot air passes through the membranes, its higher temperature drives out the previously absorbed moisture and discharges it as warm wet air through the 'Wet Air Out' duct. As the wheel rotates, this process of collecting and discharging moisture is continued.

The wet air outlet is 41 mm in diameter making it easy to vent the moisture away using standard push fit waste water connectors. Water is not drained away as a liquid, but is vented away similar to a tumble dryer.



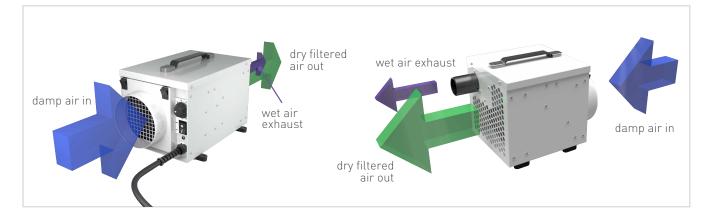
PATENTED DESICCANT ROTOR

The Desiccant Rotor is the heart of the DryFan® system. It is an array of especially absorbent membranes – patent protected – arranged as a series of corrugations (as shown in the cut-away image) to give a vast surface area that was developed over many years, making it an extremely efficient moisture collector.



PATENTED REGEN HEATER

A patented ceramic PTC Regen Heater (PTC Positive Temperature Coefficient) is self regulating it never overheats. However, as a triple safety mechanism, a separate overheat smart sensor is included in the dehumidifier. The patented technology is both safe and energy efficient and can never overheat to hazardous temperatures, even if vents become accidentally blocked.





For more information please contact Andatech's office:

Call us on 1300 800 200 Email: Sales@andatech.com.au Website: andatechdistribution.com.au





PRODUCT FEATURES

The Ionmax+ EcorPro desiccant dehumidifiers are fully automatic, operating 24/7 under normal and harsh conditions. They have been tested and improved to dry areas with temperatures as low as 20°C four to seven times faster than traditional dehumidifiers. Probably the smallest industrial-grade dehumidifiers on the market, the Ionmax+ EcorPro dehumidifiers work perfectly in any orientation - on walls and floors, and even upside down on the ceiling. They are powerful dehumidifiers for the home as well as for industrial applications and settings.



IDEAL FOR INDOOR HOME AND INDUSTRIAL USE

With their high extraction rates, both models are designed to be used almost anywhere, including living spaces, lofts, basements, and crawl spaces. Set them up in any orientation, even upside down.



DUCT AIR-IN OPTION

Each model is fitted with a metal duct flange on the filter grill to allow for an external duct to draw in the air from remote points.



ON FOUR FEET

Anti-scratch plastic feet can cleverly be swivelled out to make four anchor points so that the dehumidifiers can be fastened with suitable screws or bolts (not provided) to walls or simply fastened down onto a surface.



REMOTE HUMIDISTAT OPTION

A low voltage humidistat (optional) can be added to both models by way of a simple plug, so you can control them remotely.



LOW NOISE FAN

At under 50dB, the dehumidifier is suitable for small spaces such as bedrooms and workspaces.



WASHABLE AIR FILTER

An inlet air filter cleans the air entering the units and helps maintain the performance of the dehumidifiers.

Automatically restarts operation

when the power supply returns



SAFE TO USE

The patented DryFan® technology technology is energy efficient and can never overheat to hazardous temperatures, even if vents become accidentally blocked.



CARRY HANDLE FOR PORTABILITY

Flat handle that can be extended to allow easy carrying in one hand





EASY MAINTENANCE

after an interruption.

AUTO RESET

Maintenance and eventual repair have been thought through with a removable cover that gives easy access to replace cord sets or worn parts.



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Unit Positioning

The Ionmax+ EcorPro dehumidifiers are designed to be used almost anywhere, including living spaces, lofts, basements and crawl spaces. Set them up in any orientation they'll even work upside down!



Laundry Room



Upside Down



In a Closet

PRODUCT COMPARISON

Model	DryFan® DF8	DryFan® DF8 PR0	DryFan® DF12	DryFan® DF12 PR0
Extraction Rate	8 litres/day		12 litres/day	
Power Consumption	350W, 220V, 50Hz		500W, 220V, 50Hz	
Material	Mild Steel Epoy Paint	Stainless Steel*	Mild Steel Epoy Paint	Stainless Steel*
Plug	13A		13A	
Humidistat Option	Yes		Yes	
Power Cord Length	3m		3m	
Noise Level	44dB		44dB	
Duct Sizes	40mm (1.5")-125mm (5")		40mm (1.5")-125mm (5")	
Operating Temperature	-20°C ~ 40°C		-20°C ~ 40°C	
Power Out Restart	Yes		Yes	
Works from DC-AC Converter	Yes		Yes	
Power Out Restart	Yes		Yes	
Water Tank	Yes 3.5 Litre	No	No	No
Airflow (m³/hr)	90 process / 14 exhaust		124 process / 20 exhaust	
Dimensions (l x d x h)	20 x 20 x 20 cm		20 x 30 x 20 cm	
Weight (kg)	4.5 kg	4.8 kg	5.7 kg	6.6 kg

*Ideal for boating applications, for storing food & catering environments where the casing is more resistant to salt or cleaning with harsh chemicals.

