



# VapourFlow

## WAD-B FAN-<sup>blueray</sup> WARM AIR DEHUMIDIFIER FAN (FOR BATHROOMS)



### ABOUT THE WAD-B FAN -<sup>blueray</sup>

The Warm Fresh Air Dehumidifier for Bathrooms is an automated bathroom fan, with dual actions of both intake and extraction of air, with the benefit of warming the fresh external air as it is drawn into the building, when the temperature is below 14°C. This unique feature is available using a single vent to the outside, that will fit on to an existing 100mm (4") bathroom fan vent.

The unit operates for your maximum benefit and air condition with internal humidity control, an external temperature sensor, light or switch extract, and bluetooth app control. This unit includes filters which helps keep out various pollutants, which should be changed yearly.

The warmed dehumidified air provides a simple and effective solution to keeping your home dry, the mild warming of the air provides for a refreshing method of keeping your home dryer by displacing wet air with dry air. this unit works best when used as part of a cross-flow ventilation system with other Vapourflow units.

### FEATURES AND BENEFITS

- For best results use the WAD as part of a cross-flow ventilation system with other Vapourflow units
- Filtered warm dry fresh air creates a dryer place in your bathroom that extends further in to the property
- Extracts air during times of occupancy, expelling excess airbourne moisture when required
- Your existing fan in the bathroom can be exchanged as this is a standard 100mm vent connection
- This positive pressure system requires no extra ducting to be extended in to the centre of the property as the air naturally expels past the bathroom door and in to the middle of your home.
- The 200 watt heater only works when the external temperature is below 14°C and is not required when the fan is in extract mode.
- Incorporates the Autostat Humidity Controller which continually monitors ambient humidity and automatically adjusts the control level accordingly
- Low energy, low cost fan continuous running at 0 > 20m<sup>3</sup>/h
- Can be fixed in any orientation (wall, ceiling)
- Polycarbonate ABS mix with fire retardant housing which provides a robust and high temperature resistant casing.
- Produces up to 80m<sup>3</sup>/h of airflow
- Manual override extract option via light/switch live or bluetooth app
- Remote Autostat available to provide automatic extract mode
- 5 year motor guarantee, 2 year product guarantee



# SPECIFICATIONS

## INPUT

Input Voltage	220-240V 50Hz
Fan Input Power (trickle)	4.5W
Fan Input Power (boost)	6.5W
Heater	200W
Earth Leakage	Class II construction, no earth

## PERFORMANCE

Air Flow (intake)	40m <sup>3</sup> /hr max
Air Flow (extract)	80m <sup>3</sup> /hr max
Static Pressure	75 Pa
Acoustic Noise	Input 38 dB(A) Extract 34 dB(A)
Life Expectancy	>50,000 hours
Specific Fan Power	0.2 W/(l/s)
Protection	Locked rotor automatic restart

## PART NUMBERS

WAD B blueray

Warm Air Dehumidifier Bathroom fan, integral 200W heater, internal Autostat smart humidity

## GENERAL

Operating Temperature	-10° to +40°C
Storage Temperature	-15° to +40°C
Weight	3.5kg
RoHS Compliance	Yes
Optional extras	Remote Air Quality Sensor

## MECHANICAL

Housing Material Mix	Polycarbonate ABS mix
Impact Strength	390 J/m (ASTM D790)
Flammability	UL94 V-0 (2.10mm) 5VA (2.50mm)
Flame Retardant	Non-halogen
Heat Distortion	110°C
UV Resistance	1.0 E, 300 hours, ASTM



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