



SmartVent balance



homestar

Combat Condensation

Reduce moisture, mould and mildew while maximizing energy efficiency

BAL225 | BAL405

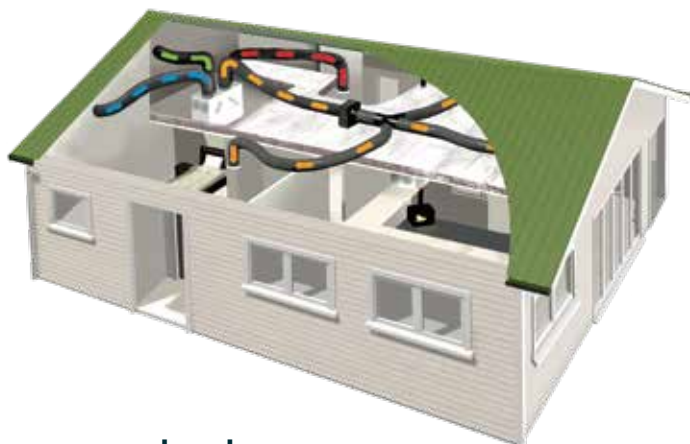


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HEAT RECOVERY VENTILATION SYSTEM

SmartVent Balance is an energy efficient centralised heat recovery ventilation system that uses advanced automation and an effective heat recovery core to ventilate a home with minimal heat losses. The unit is a complete home solution with built-in sensors which record humidity and temperature as air flows through the unit. While ideal for any home, more air-tight construction enhances the energy recovery benefits.

Using an integral counterflow heat exchanger, up to 90% of heat energy can be recovered from your home, maximising energy efficiency. Running costs are further minimised with energy efficient brushless EC motors. The Balance's polymer heat recovery core enables heat transfer and extraction from wet zones like bathrooms, which is useful in continuous applications. A built-in core bypass allows for effortless summer operation. Acoustic and thermal ducting is also available, for quiet and efficient running. The SmartVent Balance is designed for completely autonomous operation, with a digital controller for manual override as required.



90% Of Heat Energy Recovered

Efficiently ventilate your home without having to spend as much energy re-heating fresh, clean air.



A Comprehensive Solution

The SmartVent Balance has a polymer core means it can extract stale and moist air from wet rooms so it can be a true all-in-one system.



Fully Automated

Designed to operate automatically using a centralised sensor, the SmartVent Balance adjusts fan speeds to deliver the best air to your home.



Effortless Summer Cooling

Mitigate summer overheating and take advantage of free cooling via the built-in automated core bypass.



Insulated Ducting

Enjoy more efficient heat retention and a quieter system with thermally and acoustically insulated ducting.








Applications

Suitable in both retrofits and new builds, for best performance the SmartVent Balance and ducting should be installed inside the insulation layer and is easiest to integrate at a design stage. Good outcomes can still be had when retrofitting to homes with accessible roof-spaces or undergoing renovations. During construction attention should be paid to the installation and components used to ensure the best performance for the application. SmartVent offers a home ventilation design service to support you in your journey.

SmartVent Balance Range

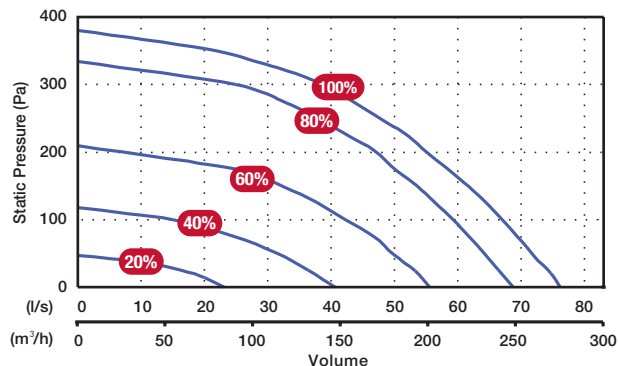
Description	
SmartVent Balance - Up to 150m ² 3 supply outlets/1 extract (expandable to 4 outlets/2 extracts)	BAL225
SmartVent Balance - Up to 250m ² 5 supply outlets/2 extract (expandable to 6 outlets/3 extracts)	BAL405

Features

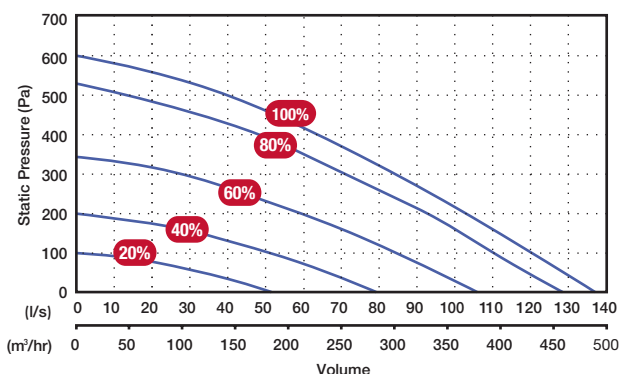
Humidity Sensing	
Temperature Sensing	
Auto or Manual Operation	
Core Efficiency (°C)	Up to 90%
Core Bypass	
Boost Control	
Filter Change Alert	
Scheduler	

Performance

BAL225



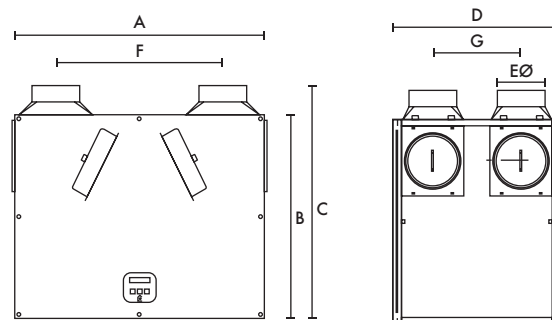
BAL405



Specifications

Model	BAL225	BAL405
Fan Type	EC	
Core Type	Counterflow Heat Recovery	
Efficiency (EN308)	Up to 90%	
Spigots	125mm	150mm
Discharge Face	Top / Sides (Horizontal / Vertical)	
Orientation	Left / Right	
Mounting	Wall / Floor	
Speeds	10	
Airflow (l/s) @ 0Pa	76 l/s	136 l/s
Airflow (m³/hr) @ 0Pa	275 m³/hr	490 m³/hr
Airflow (l/s) @ 150Pa	62 l/s	110 l/s
Airflow (m³/hr) @ 150Pa	223 m³/hr	395 m³/hr
Max Static Pressure	380Pa	600Pa
Filter	G4 (F7 add-on)	
Maintenance Access	Front	
Power Supply	220-240V AC / 50 Hz	
Power (W)	128W	173W
Current (A)	0.58A	0.79A
Operating Temp	-20°C to 45°C	
Operating Humidity	0-95%RH	
Sound Pressure Level	39dB(A)	
Warranty	5 Years	

Dimensions (mm)



Model	A	B	C	D	EØ	F	G
BAL225	550	550	640	285	125	360	140
BAL405	785	635	722	550	150	520	275



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Specifications are subject to change without notice

