SmartVent Balance

COMBAT CONDENSATION

Reduce moisture, mould and mildew while maximising energy efficiency

OVERVIEW

A well-rounded heat recovery solution with set-and-forget controls, up to 90% heat recovery, built-in summer bypass, humidity sensing and an economical EC fan. The compact form means fitment through ceiling hatches or in cupboards and wardrobes needs little room while still including easy-change filters. The heat recovery core allows for both fresh air supply and bathroom extraction, efficiently.

BEST FOR

Most homes, but particularly those wanting no-nonsense controls, good performance, efficiency and comfort in a fully integrated, balanced fresh air and extraction solution. Great option for townhouses and apartments wanting central ventilation.



SMARTVENT BALANCE RANGE

What is the size of your home (m^2)?	Model	Description	Order Code
Medium Up to 150m^2	BAL225	3 supply outlets / 1 extracts (expandable to 4 outlets 2 extracts#)	FAN6838
		BAL225 Core and Controller only	FAN1433
Large Up to 250m^2	BAL405	5 supply outlets / 2 extracts (expandable to 6 outlets / 3 extracts#)	FAN6839
		BAL405 Core and Controller only	FAN1434

**Contact SmartVent for design advice if more outlets or extracts are required*

Features	
Humidity Sensing	
Temperature Sensing	
Auto or Manual Operation	AUTO MAN
Core Efficiency	Up to 90%
Core Bypass	
Boost Control	
Filter Change Alert	
Scheduler	DAILY

ADD-ONS

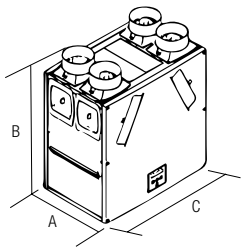
Due to its advanced systems, built-in core bypass and highly efficient heat recovery core, Balance does not require any add-ons.

	Additional Outlet	Additional Extract	Core Bypass
BAL225	DCT4363	DCT4362	Integrated
BAL405	DCT2334	DCT2335	Integrated

SPECIFICATIONS

Specifications	BAL225	BAL405
Fan Type	EC Centrifugal	
Spigot Size	125mm	150mm
Fan Speeds	10	10
Max. Air Flow per Fan @ 0 Pa	76 l/s, 275 m^3/hr	136 l/s, 490 m^3/hr
Max. Air Flow per Fan @ 150 Pa	62 l/s, 223m^3/hr	110 l/s, 395 m^3/hr
Max. Static Pressure per Fan	380 Pa	600 Pa
Total Input Power	128W	173W
Current (A)	0.58A	0.79A
Operating Temp	–20ºC to 45ºC	
Sound Level	39 dB(A)	

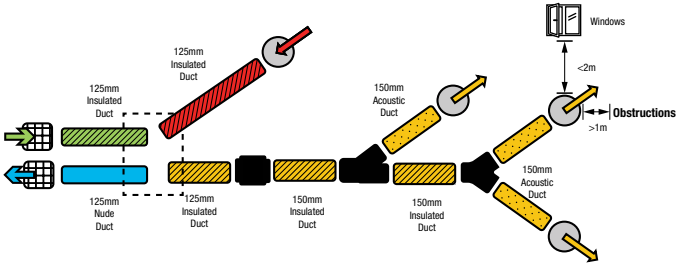
Heat Recovery Core Dimensions (mm)	A	B	C
BAL225	285	650	550
BAL405	524	745	776



Filter Replacement	
F7 Standard Filter	DCT2093
F7 HEPA Filter with Carbon	DCT2278
F7 Standard Filter with Carbon	DCT2277
G3 Filter for BAL225	DCT4493
G3 Filter for BAL405	DCT4494

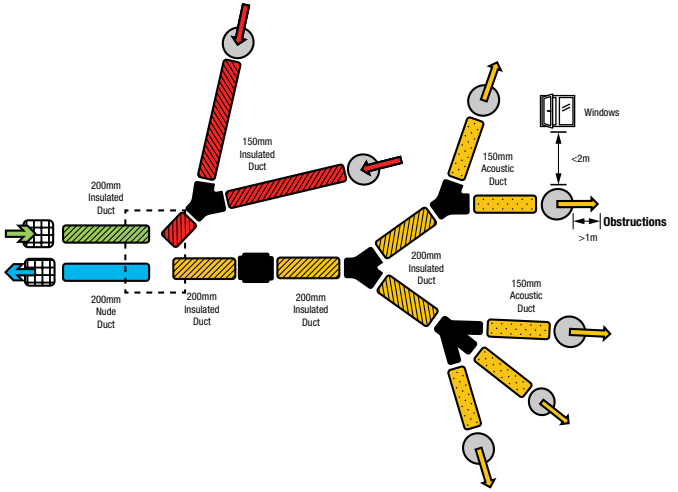
* Balance systems require both an F7 Filter and G3 Filter. The F7 Filter (found in the ducting) cleans your air, and the G3 Filter (found in the core) protects your system's fan.

BAL225

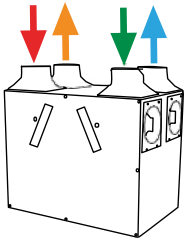


Balance Componentry	3 Supply and 1 Extract
150mm Supply Diffuser	3
125mm Extract Diffuser	1
125mm Fixed Grille	2
G3 Filter	2
F7 Filter	1
Heat Recovery AHU (inc. Fans and Core)	1
Nude Ducting	1x 125mm x 6m
Insulated Ducting	2x 125mm x 6m 1x 150mm x 3m
Acoustic Insulated Ducting	3x 150mm x 6m
Y-Branch	1x 150/150/150
Branch Take Off 150/150/150	1
Duct Joiner	1x 150mm
Reducer	1x 150/125mm
Condensate Drain 3m x 19mm	1

BAL405



Balance Componentry	5 Supply and 2 Extract
150mm Supply Diffuser	5
150mm Extract Diffuser	2
200mm Fixed Grille	2
G3 Filter	2
F7 Filter	1
Heat Recovery AHU (inc. Fans and Core)	1
Nude Ducting	1x 200mm x 6m
Insulated Ducting	2x 150mm x 6m 2x 200mm x 3m
Acoustic Insulated Ducting	3x 150mm x 6m
Y-Branch	2x 200/150/150 1x 200/200/200
Double Branch 200/150/150/150	1
Duct Joiner	1x 150mm & 1x 200mm
Condensate Drain 3m x 19mm	1



Return Air
Moist, humid air is extracted from the home

Outside Air
Fresh air drawn in from outside

Exhaust Air
Moist, stale air forced out of the home

Supply Air
Tempered air enters the home

*Distance from obstructions such as

Security Sensors Smoke Detectors Walls