

# Entro-V

DOMESTIC AND RESIDENTIAL MECHANICAL VENTILATION WITH HEAT RECOVERY





# MORE THAN 60 YEARS OF EXPERIENCE

Founded in 1955, Airflow has grown from one man's expertise in fan design and air flow measurement into a thriving international group. Renowned for its innovative approach to new product development and air movement techniques, Airflow can offer you a variety of ventilation solutions to suit your needs.

With our headquarters in High Wycombe, Airflow has subsidiaries in Germany and the Czech Republic and has global distributors from Norway to New Zealand.

Understanding the requirements of our customer enables Airflow's knowledgeable and committed staff to continually develop new and innovative products that raise standards and provide long term, reliable ventilation solutions.



## UNITED KINGDOM

High Wycombe (Head Office)

Our founder started the business in 1955, just one mile from the current site, which has been Airflow's headquarters since 1960, co-ordinating our global activities.



## GERMANY

Airflow has been serving ventilation products and air measurement devices to the German and European markets for over 50 years. Operating near Cologne, Airflow Germany has their own customer service, sales and technical sales teams.



## CZECH REPUBLIC

Founded in Prague over 20 years ago, the Airflow Czech Republic team offer sales and servicing of ventilation products for the Eastern European market.



# MECHANICAL VENTILATION WITH HEAT RECOVERY FOR DOMESTIC AND RESIDENTIAL APPLICATIONS



Entro<sup>®</sup>V

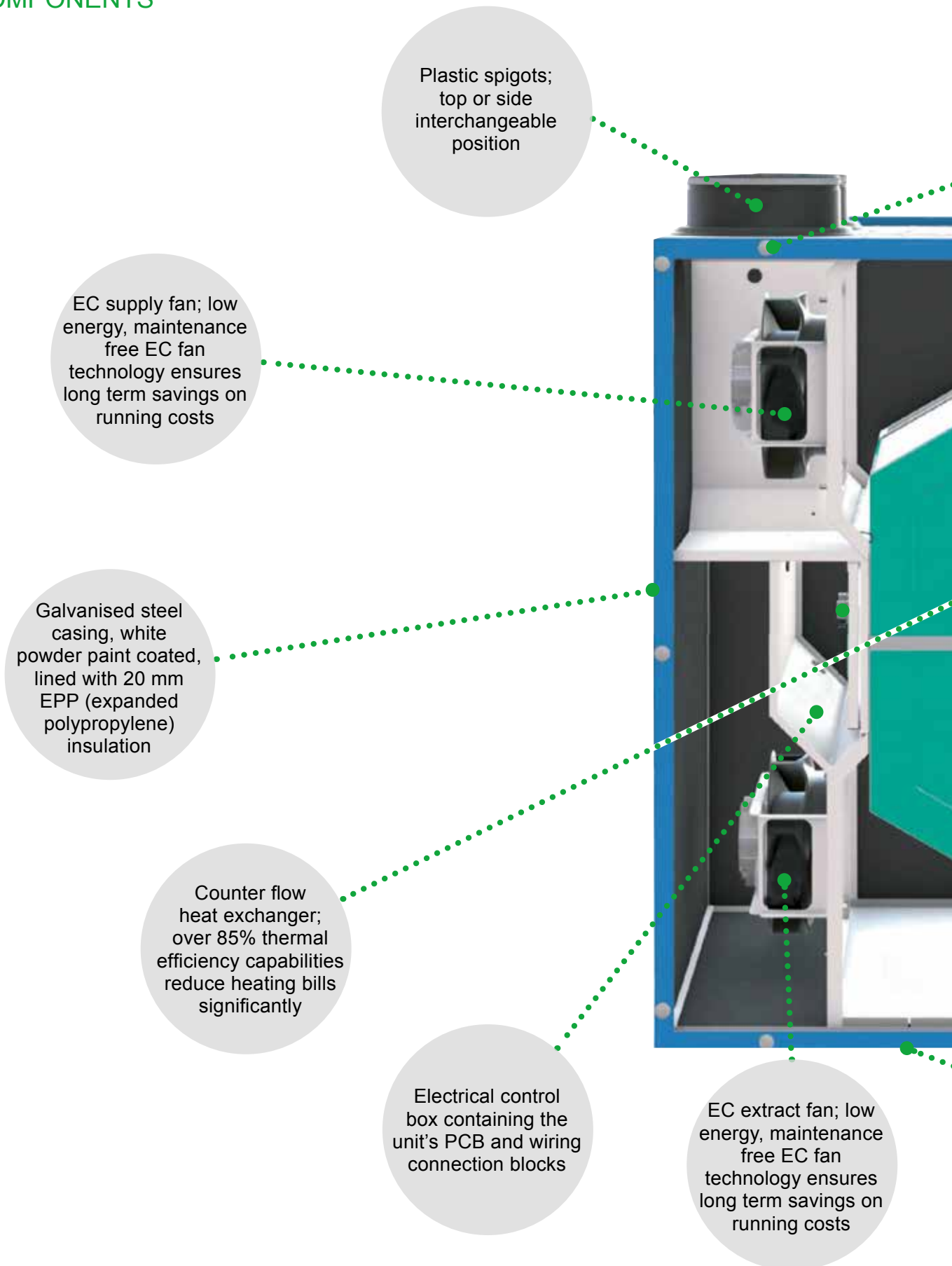


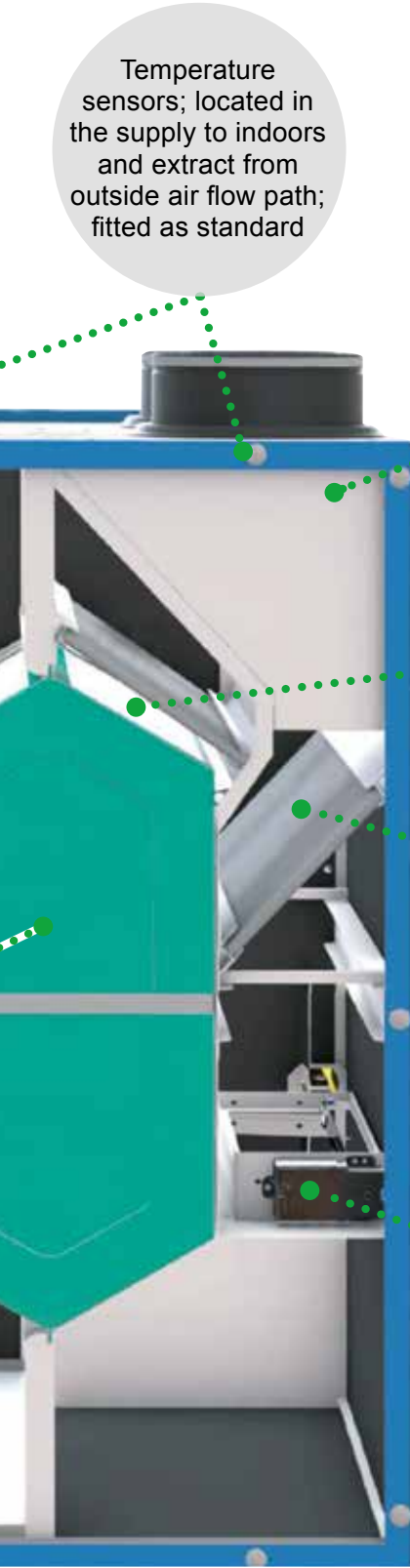
## INTRODUCING THE ENTRO-V RANGE

The new Duplexvent Entro-V range of mechanical ventilation with heat recovery (MVHR) units are designed to create a healthy indoor environment through efficient air movement.

With many years of experience in the ventilation industry, Airflow has designed a new entry level MVHR range specifically to operate at peak efficiency levels. With over 20 MVHR products available from Airflow the Entro-V range allows for further versatility to the offering. Entro-V sits alongside the premium Adroit range and provides the perfect balanced solution for houses and dwellings. The Entro-V units' thermal efficiency and specific fan power (SFP) are the main focus in achieving an efficient, compact and economical domestic and residential ventilation solution.

### KEY COMPONENTS





Temperature sensors; located in the supply to indoors and extract from outside air flow path; fitted as standard

Humidity sensor; located in the indoor extraction air flow path; fitted as standard

G4 (ISO ePM Coarse 55%) extract filter; extends the heat exchanger maintenance interval

G4 (ISO ePM Coarse 55%) supply filter; improves indoor air quality and protects the heat exchanger

100% Summer by-pass actuator assembly; ensures ventilation without adding to seasonal high indoor temperatures

Galvanised steel sealed condensation drain (supplied loose)

# DUPLEXVENT ENTRO-V

Heat Recovery Ventilation



## KEY FEATURES

- Domestic and residential heat recovery ventilation
- Over 85% thermal efficiency capabilities
- Double G4 (ISO ePM Coarse 55%) filter design with an optional F7 (ISO ePM1 60%) supply air filter
- Vertical mounting position
- Compact design
- Wall and floor mounting kits
- Easy filter change with no tools needed
- Choice of spigot locations (top entry as standard)
- Suitable for left- and right-hand configurations

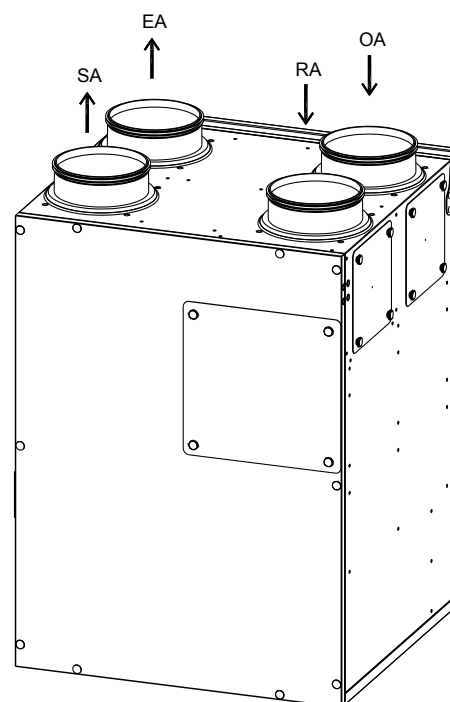
## DUPLEXVENT ENTRO-V

The Entro-V range is the ideal solution for social housing projects where there are budget constraints. Its applications can be anything from small flats to large houses, new builds, renovations or retrofits.

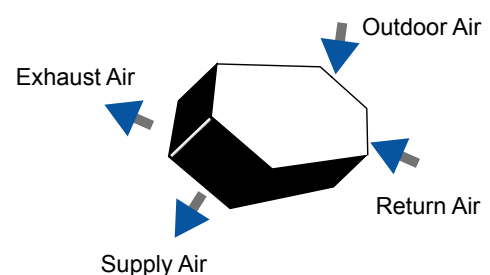
Duplexvent Entro-V units have highly efficient EC fans with backward curved impellers ensuring low energy consumption and low sound power levels. The units are reliably manufactured to ensure high thermal efficiencies with optional electric heaters. The thermal efficiency can reach over 85% recovered heat using a lightweight polypropylene counterflow heat exchanger. The heat exchanger is the key in recovering heat from the outgoing airstream which is used to warm up the incoming fresh air. Also, it is easy to access and remove for cleaning and servicing purposes.

The units design enhances a large filter surface area giving extended filter life and efficiency. This means all incoming air will pass through the filter before reaching the occupants dwelling. We recommend cleaning filters once every three months to ensure optimal air quality is maintained.

## UNIT CONFIGURATION



OA = Outside Air  
SA = Supply Air  
RA = Return Air  
EA = Exhaust Air



# CONTROL OPTIONS



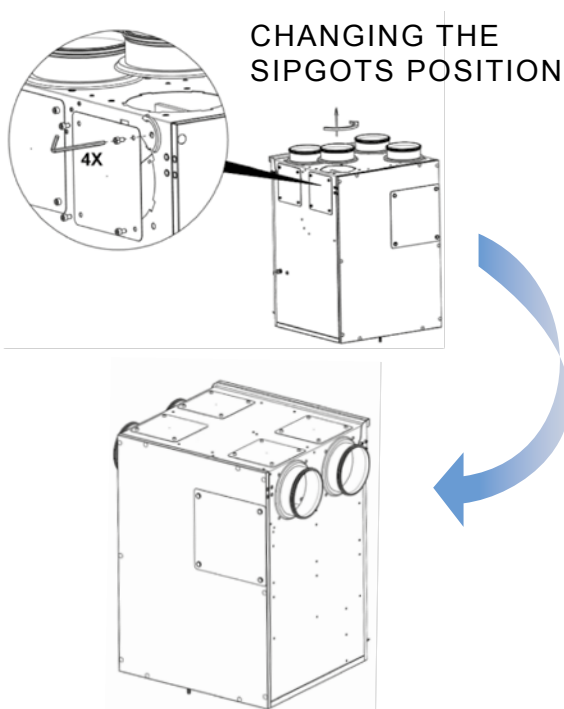
The Entro-V units can be controlled by one of the following:

- Basic controller (Part number: 90001308)
- Digital controller (Part number: 90001299)
- Modbus through a PC or a central automated unit
- Additional external sensors achieving on-demand ventilation
- Switched live signal from light/remote switches

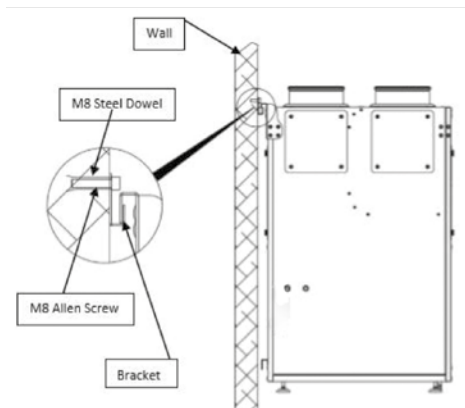
	<b>Low fan speed</b> e.g. background ventilation		<b>Control button to increase the fan speed</b>
	<b>Medium fan speed</b> e.g. everyday running rate		<b>Control button to decrease the fan speed</b>
	<b>High fan speed</b> e.g. when cooking or showering		<b>Filter reminder / Error display LED</b>
	<b>Boost</b> increased occupants in dwelling; purging the dwelling		

## INSTALLATION OPTIONS

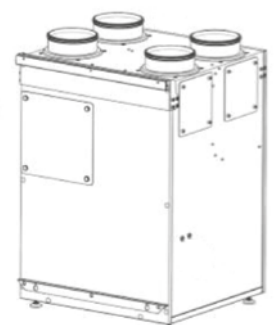
The Entro-V units can be installed in vertical mounting positions, on the wall or floor. Hanging brackets, screws and feet are supplied with the units. Also, the units have interchangeability of spigot positions from top or sides.



### INSTALLATION ON THE WALL



### INSTALLATION ON THE FLOOR

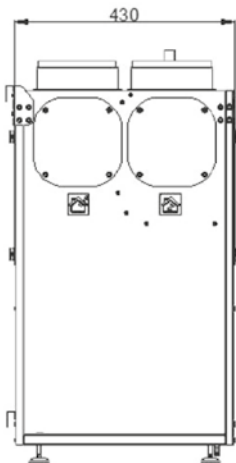
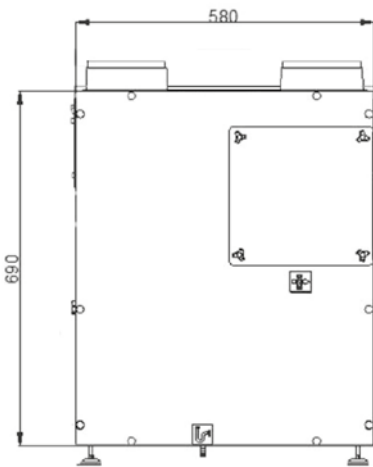


# DUPLEXVENT ENTRO-V

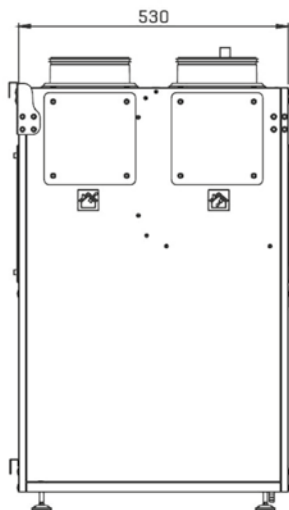
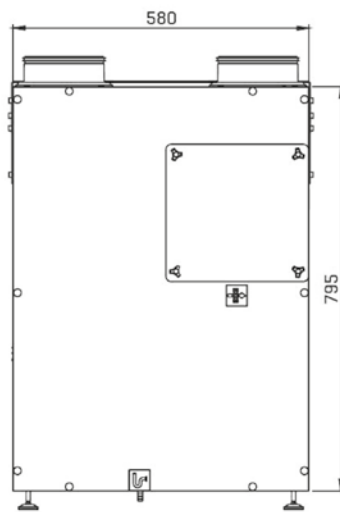
## DIMENSIONS



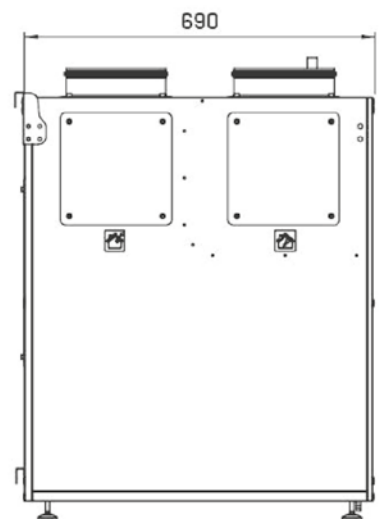
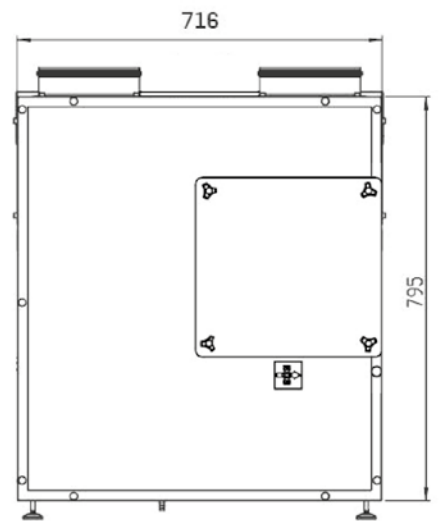
DV65 ENTRO-V



DV82 ENTRO-V



DV130 ENTRO-V



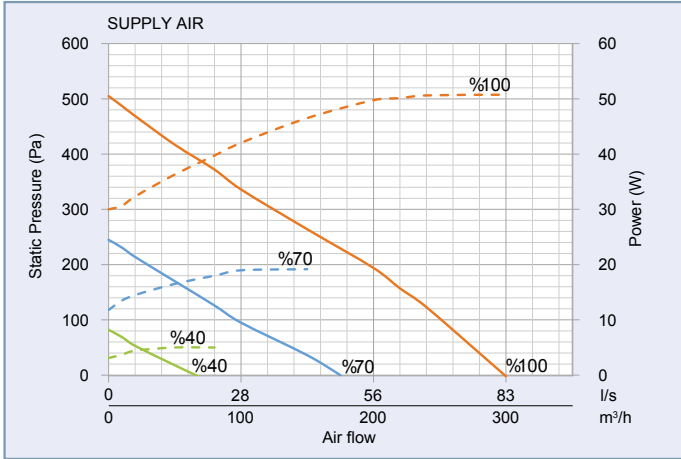
# TECHNICAL DATA



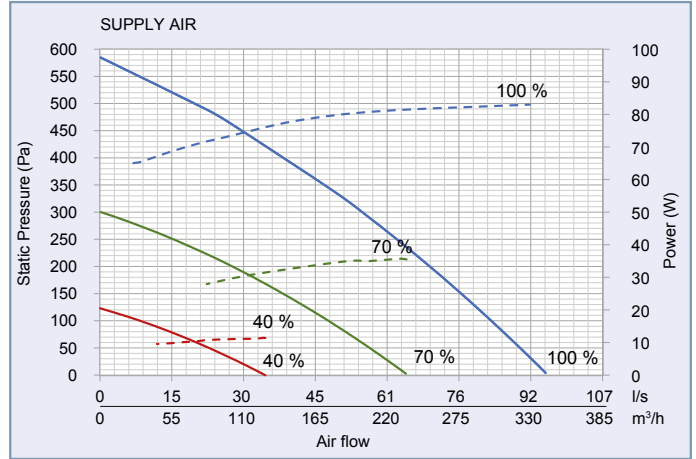
Specification	DV65 Entro-V	DV82 Entro-V	DV130 Entro-V
Air flow m <sup>3</sup> /h / l/s @100Pa	242 / 67.2	300 / 83.3	460 / 127.7
For dwelling floor area up to (m <sup>2</sup> )	116	184	277
Reference dwelling	3 bed house	4 / 5 bed house	5 / 6 bed house
Thermal efficiency	84 - 88%	83 - 86%	84-87%
Heat exchanger	Counterflow (Plastic)	Counterflow (Plastic)	Counterflow (Plastic)
SEC class	A+	A	A
Electrical supply	230V / 1ph / 50Hz	230V / 1ph / 50Hz	230V / 1ph / 50Hz
Max power consumption	100 W	166 W	230 W
Sound level @ 3m (dB(A))	32 - 43	35 - 48	36 - 48
Specific Power Input (SPI) (W/ (m <sup>3</sup> /h))	0.295	0.27	0.267
Fans	EC	EC	EC
IP classification	IP54	IP54	IP54
Weight (kg)	45	50	65
Dimensions (LxDxH) (mm)	580 x 430 x 690	580 x 530 x 795	716 x 690 x 795
Controls	4 - speed manual controller Optional digital controller	4 - speed manual controller Optional digital controller	4 - speed manual controller Optional digital controller
Duct diameter (mm)	160	160	200
Condensate discharge	1/2 inch BSP	1/2 inch BSP	1/2 inch BSP
Summer Bypass damper	100% Automatic	100% Automatic	100% Automatic
Frost protection	Yes	Yes	Yes
Filter class	(G4) ISO Coarse 55%, optional (F7) ISO ePM1 60%	(G4) ISO Coarse 55%, optional (F7) ISO ePM1 60%	(G4) ISO Coarse 55%, optional (F7) ISO ePM1 60%
Optional BMS Connectivity	Communication through I2C-Modbus	Communication through I2C-Modbus	Communication through I2C-Modbus
Casing	Galvanised steel. Powder paint. (20 mm insulation)	Galvanised steel. Powder paint. (20 mm insulation)	Galvanised steel. Powder paint. (20 mm insulation)
Mounting	Wall, Floor	Wall, Floor	Wall, Floor
Orientation of unit	Right or Left-handed	Right or Left-handed	Right or Left-handed
Part no.	<b>90001243</b>	<b>90001244</b>	<b>90001245</b>

# TECHNICAL DATA

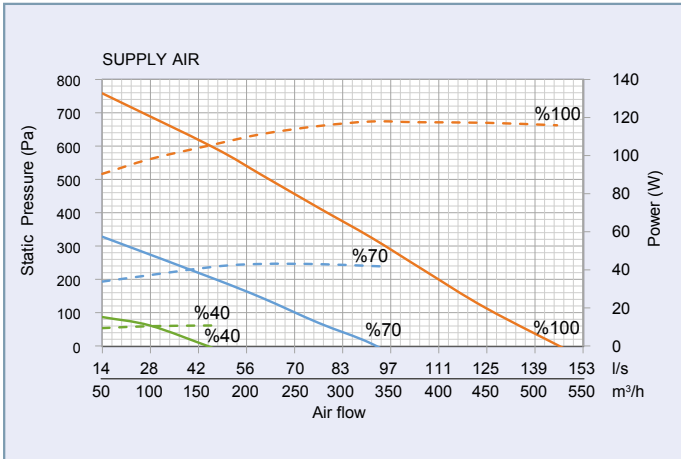
DV65 Entro-V



DV82 Entro-V



DV130 Entro-V



Sound Pressure Level @1,5 m (%100 fan speed @100Pa external pressure)

Model	dB@ 63Hz	dB@ 125Hz	dB@ 250Hz	dB@ 500Hz	dB@ 1kHz	dB@ 2kHz	dB@ 4kHz	dB@ 8kHz	Total [dBA]
DV65 Entro-V	35,7	37,5	37,1	36,5	35,2	31,2	18,0	14,5	39,1
DV82 Entro-V	40,1	42,9	44,7	46,2	44,8	43,9	38,8	14,0	42,9
DV130 Entro-V	42,3	43,7	37,8	38,2	38,4	37,2	32,2	26,2	43,2

Sound Pressure Level @3 m (%100 fan speed @100Pa external pressure)

Model	dB@ 63Hz	dB@ 125Hz	dB@ 250Hz	dB@ 500Hz	dB@ 1kHz	dB@ 2kHz	dB@ 4kHz	dB@ 8kHz	Total [dBA]
DV65 Entro-V	28,6	30,4	30,0	29,4	28,1	24,1	10,9	7,4	32,0
DV82 Entro-V	26,1	28,9	30,7	32,2	30,8	29,9	24,8	10,5	35,9
DV130 Entro-V	35,5	36,9	31,0	31,4	31,6	30,4	25,4	19,4	36,4

# CONSULTANTS SPECIFICATION DV65 ENTRO-V



## UNIT SPECIFICATON - DV65 Entro-V

The mechanical ventilation with heat recovery unit shall be the DV65 Entro-V as manufactured by Airflow, shall be sized as indicated on the drawings and shall be in accordance with the specification.

The unit shall be a highly efficient top-entry MVHR (mechanical ventilation with heat recovery) that can recover over 85% of the wasted heat. The unit's casing shall be manufactured from galvanised steel, white powder paint coated lined with 20 mm insulation for great level of air tightness, thermal insulation and sound absorption.

The plastic counterflow heat exchanger shall prevent the air-streams from mixing and shall be easy to clean and maintain.

The unit shall have low energy EC fans that minimise the unit's energy consumption with a quiet operation and low specific fan power achieving an 'A+' energy efficiency in the average climate. The sound power level requirements shall be detailed by the unit's manufacturer and in accordance with the ventilation equipment operation schedule.

The unit shall be designed with a double filter facility that comes with two ISO Coarse 55% (G4) filters as standard with an optional ISO ePM1 60% (F7) pollen filter which provides additional protection against invisible, harmful particles creating an ultra-hygienic environment.

The plastic spigots coming at the top-side of the ventilation unit as standard shall benefit from an interchangeability feature which allows them to be moved from top to aside. The mounting positions and flexibility in product specification, installation and storage shall be as described in the product's datasheet and instruction manual provided by Airflow.

The unit shall be equipped with an automatic, 100% bypass actuator which isolates the heat exchanger so that no air passes through it, based on the temperature sensor's input. This ensures ventilation without adding to seasonal high indoor temperatures.

The unit shall be supplied with a 1/2 inch BSP sealed condensation drain. The unit shall be suitable for 160 mm (4 ports) duct diameter installed at the top entry. The ventilation unit shall be suitable for left- and right-hand configurations.

The DV65 Entro-V ventilation unit shall be installed in vertical mounting positions, on the wall or on the floor.

The unit shall be DV65 Entro-V as manufactured by Airflow and SAP eligible.

## KEY FEATURES

- For use in dwellings up to 116 m<sup>2</sup>
- Over 85% thermal efficiency and low SFP
- 'A+' energy rating
- Double filter design with ISO Coarse 55% (G4) filters and an optional ePM1 60% (F7) supply air filter
- Automatic, 100% summer by-pass
- Vertical mounting position

- Compact design
- Wall and floor mounting kits
- Easy filter change with no tools needed
- Choice of spigot locations (top entry as standard)
- Durable metal casing with 20 mm insulation
- Built-in humidity sensor as standard
- Optional electric heater
- Complies with Building Regulations

## OPERATION

The supply and extract sides shall be positioned as indicated on the project's drawing and shall be in accordance with the ventilation unit's schedule.

The mechanical ventilation with heat recovery unit shall extract stale air from all wet rooms such as bathroom, kitchen, en-suite, W.C., utility rooms and supply fresh warm air to all habitable rooms such as bedrooms and living areas. The incoming air which is the supply air shall be warmed up by the extracted indoor air through the highly efficient heat exchanger. Also, both air flow paths, the extract and supply sides, shall be filtered in order to protect the heat exchanger.

The ventilation unit shall have a variable speed control depending upon the control option chosen in the specification. The unit shall have be easy to commission the supply and extract fans according to the specification requirements.

## CONTROL OPTIONS

The DV65 Entro-V unit shall be controlled by one of the following:

- Basic controller
- Digital controller
- Modbus through a PC or a central automated unit
- Additional external sensors achieving on-demand ventilation
- Switched live signal from light/remote switches

## BASIC CONTROLLER

The basic controller compatible with the DV65 Entro-V heat recovery unit allows multiple standard functions such as:

- Fan speed control
- Boost function
- Free cooling via the by-pass actuator
- Frost protection based on input signals from humidity and temperature sensors
- Modbus function
- Faults indicator
- Filter reminder
- Fire alarm function
- Child-proof protection by locking the controller's keypad

# CONSULTANTS SPECIFICATION DV82 ENTRO-V



## UNIT SPECIFICATON - DV82 Entro-V

The mechanical ventilation with heat recovery unit shall be the DV82 Entro-V as manufactured by Airflow, shall be sized as indicated on the drawings and shall be in accordance with the specification.

The unit shall be a highly efficient top-entry MVHR (mechanical ventilation with heat recovery) that can recover over 85% of the wasted heat. The unit's casing shall be manufactured from galvanised steel, white powder paint coated lined with 20 mm insulation for great level of air tightness, thermal insulation and sound absorption.

The plastic counterflow heat exchanger shall prevent the air-streams from mixing and shall be easy to clean and maintain.

The unit shall have low energy EC fans that minimise the unit's energy consumption with a quiet operation and low specific fan power achieving an 'A' energy efficiency in the average climate. The sound power level requirements shall be detailed by the unit's manufacturer and in accordance with the ventilation equipment operation schedule.

The unit shall be designed with a double filter facility that comes with two ISO Coarse 55% (G4) filters as standard with an optional ISO ePM1 60% (F7) pollen filter which provides additional protection against invisible, harmful particles creating an ultra-hygienic environment.

The plastic spigots coming at the top-side of the ventilation unit as standard shall benefit from an interchangeability feature which allows them to be moved from top to aside. The mounting positions and flexibility in product specification, installation and storage shall be as described in the product's datasheet and instruction manual provided by Airflow.

The unit shall be equipped with an automatic, 100% bypass actuator which isolates the heat exchanger so that no air passes through it, based on the temperature sensor's input. This ensures ventilation without adding to seasonal high indoor temperatures.

The unit shall be supplied with a 1/2 inch BSP sealed condensation drain. The unit shall be suitable for 160 mm (4 ports) duct diameter installed at the top entry. The ventilation unit shall be suitable for left- and right-hand configurations.

The DV82 Entro-V ventilation unit shall be installed in vertical mounting positions, on the wall or on the floor.

The unit shall be DV82 Entro-V as manufactured by Airflow and shall be SAP eligible.

## KEY FEATURES

- For use in dwellings up to 184 m<sup>2</sup>
- Over 85% thermal efficiency and low SFP
- 'A' energy rating
- Double filter design with ISO Coarse 55% (G4) filters and an optional ePM1 60% (F7) supply air filter
- Automatic, 100% summer by-pass
- Vertical mounting position

- Compact design
- Wall and floor mounting kits
- Easy filter change with no tools needed
- Choice of spigot locations (top entry as standard)
- Durable metal casing with 20 mm insulation
- Built-in humidity sensor as standard
- Optional electric heater
- Complies with Building Regulations

## OPERATION

The supply and extract sides shall be positioned as indicated on the project's drawing and shall be in accordance with the ventilation unit's schedule.

The mechanical ventilation with heat recovery unit shall extract stale air from all wet rooms such as bathroom, kitchen, en-suite, W.C., utility rooms and supply fresh warm air to all habitable rooms such as bedrooms and living areas. The incoming air which is the supply air shall be warmed up by the extracted indoor air through the highly efficient heat exchanger. Also, both air flow paths, the extract and supply sides, shall be filtered in order to protect the heat exchanger.

The ventilation unit shall have a variable speed control depending upon the control option chosen in the specification. The unit shall have be easy to commission the supply and extract fans according to the specification requirements.

## CONTROL OPTIONS

The DV82 Entro-V unit shall be controlled by one of the following:

- Basic controller
- Digital controller
- Modbus through a PC or a central automated unit
- Additional external sensors achieving on-demand ventilation
- Switched live signal from light/remote switches

## BASIC CONTROLLER

The basic controller compatible with the DV82 Entro-V heat recovery unit allows multiple standard functions such as:

- Fan speed control
- Boost function
- Free cooling via the by-pass actuator
- Frost protection based on input signals from humidity and temperature sensors
- Modbus function
- Faults indicator
- Filter reminder
- Fire alarm function
- Child-proof protection by locking the controller's keypad

# CONSULTANTS SPECIFICATION DV130 ENTRO-V



## UNIT SPECIFICATON - DV130 Entro-V

The mechanical ventilation with heat recovery unit shall be the DV130 Entro-V as manufactured by Airflow, shall be sized as indicated on the drawings and shall be in accordance with the specification.

The unit shall be a highly efficient top-entry MVHR (mechanical ventilation with heat recovery) that can recover over 85% of the wasted heat. The unit's casing shall be manufactured from galvanised steel, white powder paint coated lined with 20 mm insulation for great level of air tightness, thermal insulation and sound absorption.

The plastic counterflow heat exchanger shall prevent the air-streams from mixing and shall be easy to clean and maintain.

The unit shall have low energy EC fans that minimise the unit's energy consumption with a quiet operation and low specific fan power achieving an 'A' energy efficiency in the average climate. The sound power level requirements shall be detailed by the unit's manufacturer and in accordance with the ventilation equipment operation schedule.

The unit shall be designed with a double filter facility that comes with two ISO Coarse 55% (G4) filters as standard with an optional ISO ePM1 60% (F7) pollen filter which provides additional protection against invisible, harmful particles creating an ultra-hygienic environment.

The plastic spigots coming at the top-side of the ventilation unit as standard shall benefit from an interchangeability feature which allows them to be moved from top to aside. The mounting positions and flexibility in product specification, installation and storage shall be as described in the product's datasheet and instruction manual provided by Airflow.

The unit shall be equipped with an automatic, 100% bypass actuator which isolates the heat exchanger so that no air passes through it, based on the temperature sensor's input. This ensures ventilation without adding to seasonal high indoor temperatures.

The unit shall be supplied with a 1/2 inch BSP sealed condensation drain. The unit shall be suitable for 200 mm (4 ports) duct diameter installed at the top entry. The ventilation unit shall be suitable for left- and right-hand configurations.

The DV130 Entro-V ventilation unit shall be installed in vertical mounting positions, on the wall or on the floor.

The unit shall be DV130 Entro-V as manufactured by Airflow and SAP eligible.

## KEY FEATURES

- For use in dwellings up to 277 m<sup>2</sup>
- Over 85% thermal efficiency and low SFP
- 'A' energy rating
- Double filter design with ISO Coarse 55% (G4) filters and an optional ePM1 60% (F7) supply air filter
- Automatic, 100% summer by-pass
- Vertical mounting position

- Compact design
- Wall and floor mounting kits
- Easy filter change with no tools needed
- Choice of spigot locations (top entry as standard)
- Durable metal casing with 20 mm insulation
- Built-in humidity sensor as standard
- Optional electric heater
- Complies with Building Regulations

## OPERATION

The supply and extract sides shall be positioned as indicated on the project's drawing and shall be in accordance with the ventilation unit's schedule.

The mechanical ventilation with heat recovery unit shall extract stale air from all wet rooms such as bathroom, kitchen, en-suite, W.C., utility rooms and supply fresh warm air to all habitable rooms such as bedrooms and living areas. The incoming air which is the supply air shall be warmed up by the extracted indoor air through the highly efficient heat exchanger. Also, both air flow paths, the extract and supply sides, shall be filtered in order to protect the heat exchanger.

The ventilation unit shall have a variable speed control depending upon the control option chosen in the specification. The unit shall have be easy to commission the supply and extract fans according to the specification requirements.

## CONTROL OPTIONS

The DV130 Entro-V unit shall be controlled by one of the following:

- Basic controller
- Digital controller
- Modbus through a PC or a central automated unit
- Additional external sensors achieving on-demand ventilation
- Switched live signal from light/remote switches

## BASIC CONTROLLER

The basic controller compatible with the DV130 Entro-V heat recovery unit allows multiple standard functions such as:

- Fan speed control
- Boost function
- Free cooling via the by-pass actuator
- Frost protection based on input signals from humidity and temperature sensors
- Modbus function
- Faults indicator
- Filter reminder
- Fire alarm function
- Child-proof protection by locking the controller's keypad

# SAP RESULTS



TESTED BY THE BRE (BUILDING RESEARCH ESTABLISHMENT)  
AND ELIGIBLE FOR THE PCDB DATABASE.

## DV65 Entro-V

Results of leakage tests: **Internal Pass**  
**External Pass**

Systems with rigid ductwork only SAP 2005 results

Exhaust terminal configuration	Specific fan power (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet rooms	1.12	81
Kitchen + 2 additional wet rooms	1.02	81
Kitchen + 3 additional wet rooms	1.04	81
Kitchen + 4 additional wet rooms	1.14	81
Kitchen + 5 additional wet rooms	1.28	80

Systems with rigid ductwork only SAP 2012 results

Exhaust terminal configuration	Specific fan power (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet rooms	1.07	81
Kitchen + 2 additional wet rooms	1.12	81
Kitchen + 3 additional wet rooms	1.24	81

## DV82 Entro-V

Results of leakage tests: **Internal Pass**  
**External Pass**

Systems with rigid ductwork only SAP 2005 results

Exhaust terminal configuration	Specific fan power (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet rooms	1.03	79
Kitchen + 2 additional wet rooms	0.89	79
Kitchen + 3 additional wet rooms	0.87	79
Kitchen + 4 additional wet rooms	0.91	80
Kitchen + 5 additional wet rooms	0.99	80
Kitchen + 6 additional wet rooms	1.10	80
Kitchen + 7 additional wet rooms	1.28	80

Systems with rigid ductwork only SAP 2012 results

Exhaust terminal configuration	Specific fan power (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet rooms	0.95	79
Kitchen + 2 additional wet rooms	0.92	80
Kitchen + 3 additional wet rooms	0.98	80
Kitchen + 4 additional wet rooms	1.13	80
Kitchen + 5 additional wet rooms	1.35	80
Kitchen + 6 additional wet rooms	1.64	80

## DV130 Entro-V

Results of leakage tests: **Internal Pass**  
**External Pass**

Systems with rigid ductwork only SAP 2005 results

Exhaust terminal configuration	Specific fan power (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet rooms	0.74	82
Kitchen + 2 additional wet rooms	0.63	83
Kitchen + 3 additional wet rooms	0.59	83
Kitchen + 4 additional wet rooms	0.64	83
Kitchen + 5 additional wet rooms	0.69	83
Kitchen + 6 additional wet rooms	0.76	84
Kitchen + 7 additional wet rooms	0.88	83

Systems with rigid ductwork only SAP 2012 results

Exhaust terminal configuration	Specific fan power (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet rooms	0.68	83
Kitchen + 2 additional wet rooms	0.64	83
Kitchen + 3 additional wet rooms	0.67	83
Kitchen + 4 additional wet rooms	0.79	84
Kitchen + 5 additional wet rooms	0.92	83
Kitchen + 6 additional wet rooms	1.11	83
Kitchen + 7 additional wet rooms	1.35	83

# INTERNET CONTROLLED SOLUTIONS



## CENTRAL UNIT SOLUTIONS

### Adroit MVHR unit with built in extractor hood



## Adroit™

- Suitable for dwellings up to 75 m<sup>2</sup>
- Flow rate up to 51 l/s
- Internet control
- Integrated into kitchen units
- Integral CO<sub>2</sub> sensor as standard
- Located above the hob in the kitchen
- Recovers heat from the hob
- Extractor hood slim and stylish available in brushed stainless steel or white
- Full recovery for whole dwelling
- 5 year warranty+

### Entro - side entry

## Entro®



- Suitable for dwellings up to 200 m<sup>2</sup>
- Flow rate up to 107 l/s
- Up to 93% thermal efficiency
- Can be fitted with 2 x G4 (ISO Coarse 60%) or 2 x F7 (ISO ePM1 55%) air filters
- Automatic, 100% summer bypass
- Floor, wall and ceiling mountable
- Complies with Building Regulations, ErP and SAP eligible
- Passive House approved when fitted with heater
- 2 year warranty+

### Adroit

## Adroit®



- Range suitable for dwellings up to 400 m<sup>2</sup>
- Flow rate up to 258 l/s
- Up to 93% thermal efficiency
- Remote "on the go" Internet and BMS control available
- Unique 2 x G4 (ISO Coarse > 75%) and 1 x F7 (ISO ePM1 50%) air filter system
- Range available in left and right-hand models
- Integral CO<sub>2</sub> sensor as standard
- Complies with Building Regulations, ErP and Passive House Institute
- certified when fitted with integral electric heater
- 5 year warranty+
- Accessories include external CO<sub>2</sub>, VOC sensors, post heaters
- No thermal bridging
- 20 mm insulation cased between powder coated casing panels
- 7 Adroit units to choose from
- Remote access for fault diagnosis
- 7 day programmer
- Auto cut off switch when servicing and maintenance are required

+excludes motors. Motor warranty one year from date of purchase.



**UNITED KINGDOM (head office)**  
**Airflow Developments Limited**  
Aidelle House, Lancaster Road  
Cressex Business Park  
High Wycombe, Bucks. HP12 3QP.  
  
Tel: +44 (0) 1494 525252  
Email: [info@airflow.com](mailto:info@airflow.com)  
Web: [airflow.com](http://airflow.com)

**GERMANY**  
**Airflow Lufttechnik GmbH**  
Postfach 1208  
D-53349  
Rheinbach, Germany  
  
Tel: +49 (0) 2226 92050  
Email: [info@airflow.de](mailto:info@airflow.de)  
Web: [airflow.de](http://airflow.de)

**CZECH REPUBLIC**  
**Airflow Lufttechnik - Praha**  
Hostynska 520  
10800 Praha 10  
Prague, Czech Republic  
  
Tel: +42 (0) 2747 72230  
Email: [info@airflow.cz](mailto:info@airflow.cz)  
Web: [airflow.cz](http://airflow.cz)