

Notes:

THIS SYSTEM HAS BEEN DESIGNED TO COMPLY WITH THE 2010 BUILDING REGULATIONS PART F - MEANS OF VENTILATION (ENGLAND '2021 EDITION' & WALES '2022 EDITION').

AS SUCH THE SYSTEM MUST BE INSTALLED AND COMMISSIONED AS PER THE DESIGN SPECIFICATION TO ENSURE COMPLIANCE WITH THE ABOVE MENTIONED.

ADDITIONALLY THE COMMISSIONED SYSTEM MUST COMPLY WITH IET 18th EDITION WIRING REGULATIONS (BS7671).

THE DESIGN IS SUBJECT TO COPYRIGHT AND MUST NOT BE ALTERED, AMENDED OR INCORPORATED IN ANYWAY WHATSOEVER. NOR SHALL IT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS PERMISSION OF ENVIROVENT LTD.

- SUPPLY ROUND DUCT
- EXTRACT ROUND DUCT
- SUPPLY FLAT DUCT
- EXTRACT FLAT DUCT
- INSULATED ROUND DUCT
- INSULATED FLAT DUCT
- SUPPLY ROOM DIFFUSER
- EXTRACT ROOM DIFFUSER
- SUPPLY ROOF VENT
- EXTRACT ROOF VENT
- SUPPLY GRILLE
- EXTRACT GRILLE

Project

LEVENSHOLME ROAD

Client

WATSON HOMES

Drawing

GROUND FLOOR

Designer

KEIRA STANSELL

Project No.	Drawing No.	Revision
ENV-11225	1 of 3	OR

Date	Scale	Paper Size
02/01/2024	1 : 175	A3



Minimum Flow Rates - 1 Bed Flat - MVHR		
Room	Boost Rate	Trickle Rate

Bathroom	10.0 L/s	8.0 L/s
Kitchen	13.0 L/s	11.0 L/s
	23.0 L/s	19.0 L/s
Bedroom	11.0 L/s	9.0 L/s
Living/Dining	12.0 L/s	10.0 L/s
	23.0 L/s	19.0 L/s

Minimum Flow Rates - 2 Bed - MVHR		
Room	Boost Rate	Trickle Rate

Bathroom	16.0 L/s	13.0 L/s
Kitchen	14.0 L/s	12.0 L/s
	30.0 L/s	25.0 L/s
Bed 1	10.0 L/s	9.0 L/s
Bed 2	9.0 L/s	7.0 L/s
Living/Dining	11.0 L/s	9.0 L/s
	30.0 L/s	25.0 L/s

Minimum Flow Rates - 1 Bed Flat - MEV		
Room	Boost Rate	Trickle Rate

Bathroom	10.0 L/s	8.0 L/s
Kitchen	13.0 L/s	11.0 L/s
	23.0 L/s	19.0 L/s

Minimum Flow Rates - 2 Bed - MEV		
Room	Boost Rate	Trickle Rate

Bathroom	14.0 L/s	12.0 L/s
Kitchen	16.0 L/s	13.0 L/s
	30.0 L/s	25.0 L/s

- Envirovent MEV160/300 unit mounted at high level as indicated on the drawings.
- Unit to run at continuous trickle speed with boost mode operated via integral humidity sensors or via trickle boost switches.
- The system utilises Ø125mm uninsulated flexible ducting & 204x60mm uninsulated flat ducting. Any ducting requiring insulation is shown with cross hatching on the design.
- Including ceiling mounted Ø125mm extract adjustable diffusers within all wet rooms.
- Extract valves should include filter cone. Otherwise, ducting will require suitable access for cleaning.
- Ducting in unheated area must be suitably insulated.
- The design assumes that the ceiling voids are sufficient to accommodate the ducting.
- Background ventilators must provide a minimum equivalent area of 4,000mm² for each habitable room in the dwelling.
- The minimum total number of ventilators must be the same as the number of bedrooms plus two ventilators.

- Envirovent ESAVA 250 unit mounted at high level in cupboard as indicated on the drawings.
- Unit to run at continuous trickle speed with boost mode operated via integral humidity sensors or via manual boost switch.
- The system utilises Ø125mm insulated flexible/rigid ducting & 204x60mm flat ducting. Any ducting requiring insulation is shown with cross hatching on the design.
- Including ceiling mounted Ø125mm supply & extract adjustable diffusers within all habitable rooms.
- Extract valves should include filter cone. Otherwise, ducting will require suitable access for cleaning.
- The unit requires a condensate drain to run to the nearest internal waste system. Drain should be fitted with non-return valve or trap.
- Acoustically insulated flexible duct to be used to connect unit spigot to supply/extract rigid duct to rooms only. it must not be used for duct runs going to atmosphere.
- Ducting in unheated area and to and from atmosphere must be suitably insulated.
- The design assumes that the ceiling voids are sufficient to accommodate the ducting.

* Where the ducted system penetrates a fire compartment wall or ceiling, fire-stopping will be needed. Where a fire strategy is provided and fire stopping is requested, we will only provide a proposal. This proposal should be checked and approved by building control or a suitably qualified person.

FS - Fire sleeve

GROUND FLOOR

Harrogate West Business Park
Unit 1 Bardner Bank
Killinghall
Harrogate
HG3 2SP
Tel: 01423 810810
www.envirovent.com

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Project

LEVENSHOLME ROAD

Client

WATSON HOMES

Drawing

FIRST FLOOR

Designer

KEIRA STANSELL

Project No.	Drawing No.	Revision
ENV-11225	2 of 3	A

Date	Scale	Paper Size
02/01/2023	1 : 175	A3



Minimum Flow Rates - 1 Bed Flat - MVHR		
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Bathroom	10.0 L/s	8.0 L/s
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- Including ceiling mounted Ø125mm extract adjustable diffusers within all wet rooms.
- Extract valves should include filter cone. Otherwise, ducting will require suitable access for cleaning.
- Ducting in unheated area must be suitably insulated.
- The design assumes that the ceiling voids are sufficient to accommodate the ducting.
- Background ventilators must provide a minimum equivalent area of 4,000mm² for each habitable room in the dwelling.
- The minimum total number of ventilators must be the same as the number of bedrooms plus two ventilators.
- Envirovent ESAVA 250 unit mounted at high level in cupboard as indicated on the drawings.
- Unit to run at continuous trickle speed with boost mode operated via integral humidity sensors or via manual boost switch.
- The system utilises Ø125mm insulated flexible/rigid ducting & 204x60mm flat ducting. Any ducting requiring insulation is shown with cross hatching on the design.
- Including ceiling mounted Ø125mm supply & extract adjustable diffusers within all habitable rooms.
- Extract valves should include filter cone. Otherwise, ducting will require suitable access for cleaning.
- The unit requires a condensate drain to run to the nearest internal waste system. Drain should be fitted with non-return valve or trap.
- Acoustically insulated flexible duct to be used to connect unit spigot to supply/extract rigid duct to rooms only. it must not be used for duct runs going to atmosphere.
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- EXTRACT GRILLE

Project

LEVENSHOLME ROAD

Client

WATSON HOMES

Drawing

SECOND FLOOR

Designer

KEIRA STANSELL

Project No.	Drawing No.	Revision
ENV-11225	3 of 3	A

Date	Scale	Paper Size
02/01/2023	1 : 175	A3

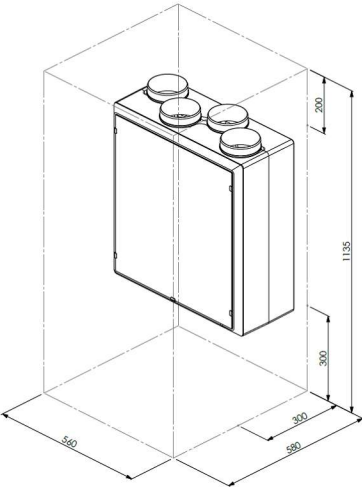


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	30.0 L/s	25.0 L/s



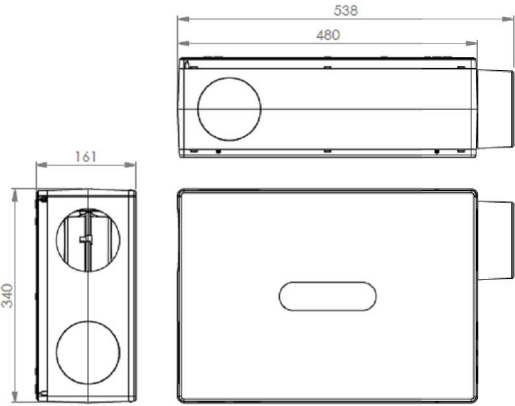
SECOND FLOOR

Minimum Flow Rates - 1 Bed Flat - MEV		
Room	Boost Rate	Trickle Rate

Bathroom	10.0 L/s	8.0 L/s
Kitchen	13.0 L/s	11.0 L/s
	23.0 L/s	19.0 L/s

Minimum Flow Rates - 2 Bed - MEV		
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