

MORI WMF

Weatherproof Multi-Functional Sub-Floor Ventilation Fan

Helping to provide Humidity control,
Radon gas control and air movement in hard to
naturally ventilate sub-floor spaces



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Weatherproof Multi-Functional Sub-Floor Ventilation Fan



APPLICATION

The **MORI WMF** is a weatherproof, multi-functional fan unit for use when an easy accessed, externally mountable, continuously running ventilation fan is required e.g. to provide sub-floor ventilation.

Many sub-floor spaces have insufficient natural ventilation with the only option to provide some form of mechanical Ventilation to the space. The **MORI WMF** was specifically designed for such applications.

The combination of wide airflows and various control modes provides the sub-floor ventilation system designer with much choice and flexibility.

OPERATION

The integral controls provided as standard allow for the fan to be set at installation stage to operate at 3 different speeds/airflows and, at each speed/airflow, to operate in supply mode, extract mode or alternate flow mode with the fan automatically switching itself between supply and extract modes every 70 seconds.

When set up to provide automatic alternate flow, the fan can be set to start on either supply or extract mode when connected to the mains power. This allows multiple units to be "synchronised" with each other if required to ensure as one or more units supply air, the other unit or units extract air, with operating modes of each fan alternating every 70 seconds.

FEATURES / BENEFITS

Unique weatherproof design allowing the fan to be mounted outside making installation and maintenance easier than with sub-floor mounted fans.

Discreet unit appearance available in 5 different colours to blend in with the dwelling.

Low energy fan/motor assembly with typical electrical running cost of £2-5 per year for continuous operation.

Ultra-quiet operation on all operating modes.

Multi-functional controls as standard set up by installer selecting from:

- Speed 1.
- Speed 2.
- Speed 3.
- Extract mode.
- Supply mode.
- Alternate flow mode with the fan switching itself automatically between supply and extract mode approximately every 70 seconds.
- Synchronisation of fans when in alternate flow mode.

See diagrams at the bottom of page 3 for multi-functional controls.

ULTRA QUIET
VERY LOW RUNNING COSTS
5 COLOUR CHOICES



**WEATHERPROOF
CONSTRUCTION**



**MULTI
FUNCTIONAL**



**EASILY
MAINTAINED**

PERFORMANCE DATA

Operation Temperature Range of -20°C to 50°C	Speed 1	Speed 2	Speed 3
Extract Max l/s	4	7	12
Supply Max l/s	4	6	10
Extract Max Power W	1.5	1.7	2.7
Supply Max Power W	1.5	1.7	26
Extract dB(A) @ 3 metres	< 9	< 15	< 29
Supply dB(A) @ 3 metres	< 9	< 15	< 29
Extract Only Annual Electrical Running Cost in £ @ 17 pence/kWh	2.23	2.53	4.02
Supply Only Annual Electrical Running Cost in £ @ 17 pence/kWh	2.23	2.53	4.32
Alternate Flow Annual Electrical Running Cost in £ @ 17 pence/kWh	2.23	2.53	4.17

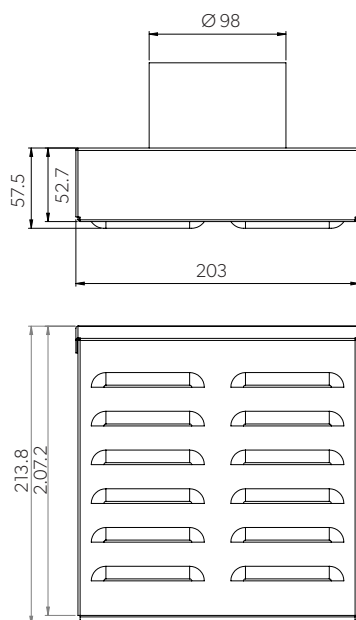
The performance figures in the table above are based on the unit attached to a wall duct/grille with gasket as shown below. Performance of units designed to work in conjunction with air bricks/grilles with a high resistance to airflow may be reduced. The addition of ducting to units will also reduce the performance of the unit. In such situations please contact us for advice. Please also see **GUIDANCE ON ATTACHING DUCTING** on the last page of this brochure for further information.

Units available with polyester powder coated matt/30% gloss finish front cover/grille in **5 different colours** as follows:

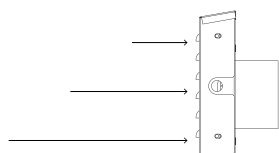
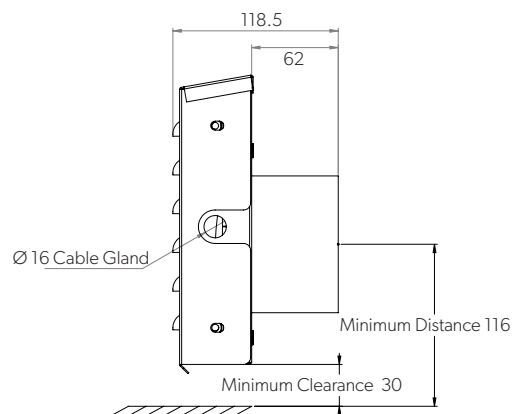
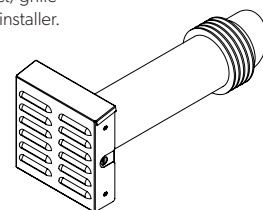
Product Code	Front Cover Colour	RAL No.
MORI WMF100-GREY	Window Grey	7040
MORI WMF100-BROWN	Chocolate Brown	8017
MORI WMF100-COPPER	Copper Brown	8004
MORI WMF100-WHITE	Signal White	9003
MORI WMF100-BEIGE	Beige	1001

DIMENSIONAL DATA

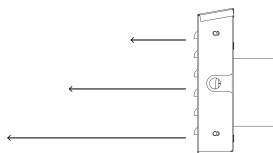
Dimensions in mm



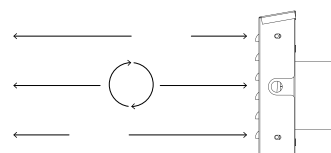
Unit shown with wall duct/grille with gasket supplied by installer.



Supply Mode. Selectable speed 1,2 or 3.



Extract Mode. Selectable speed 1,2 or 3.

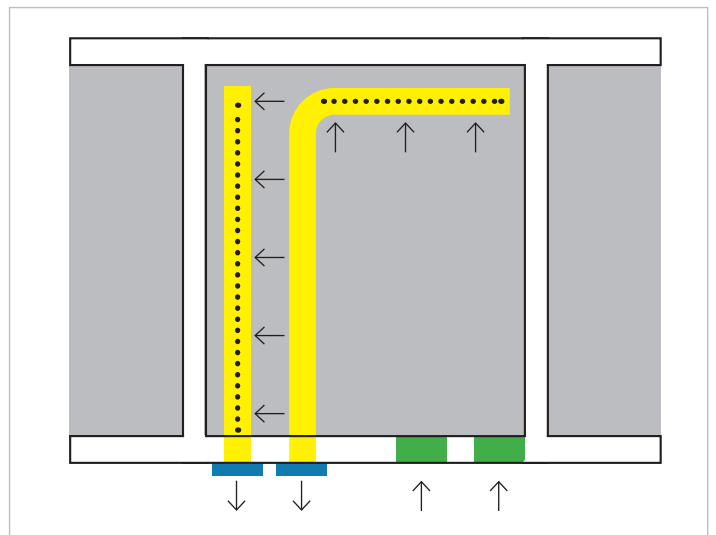
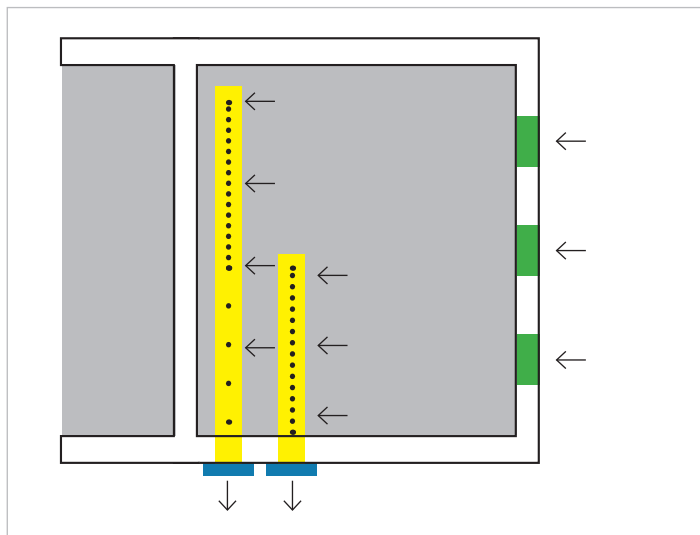
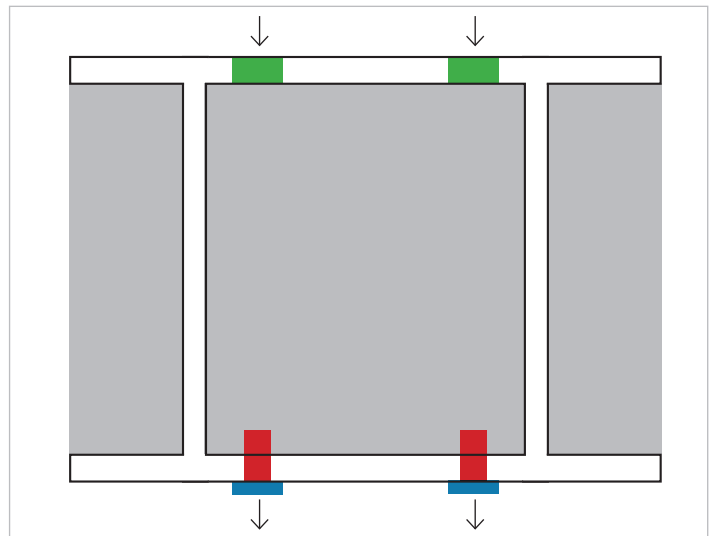
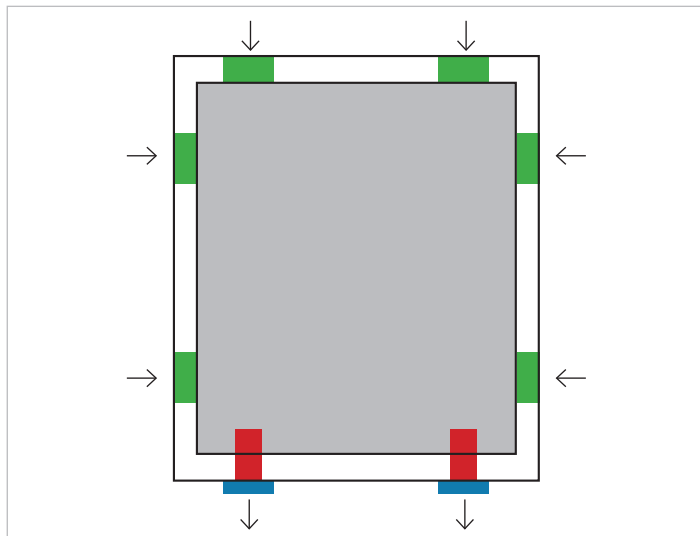


Alternate Flow Mode. Selectable speed 1,2 or 3.

SYSTEM DESIGN CONCEPTS & IDEAS*

Extract Ventilation

- | | | | |
|--|------------------------------|---|-----------------------------------|
|  | MORI WMF on Extract mode |  | Airbrick or grille |
|  | Wall duct/grille with gasket |  | 100mm Ø perforated duct system ** |



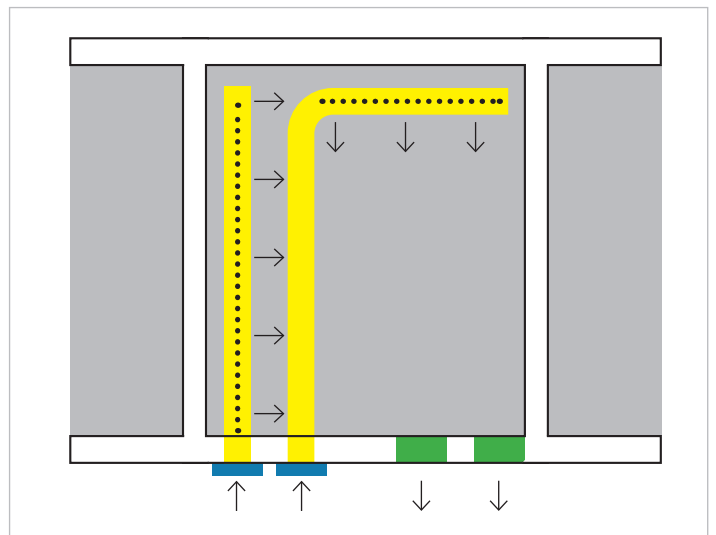
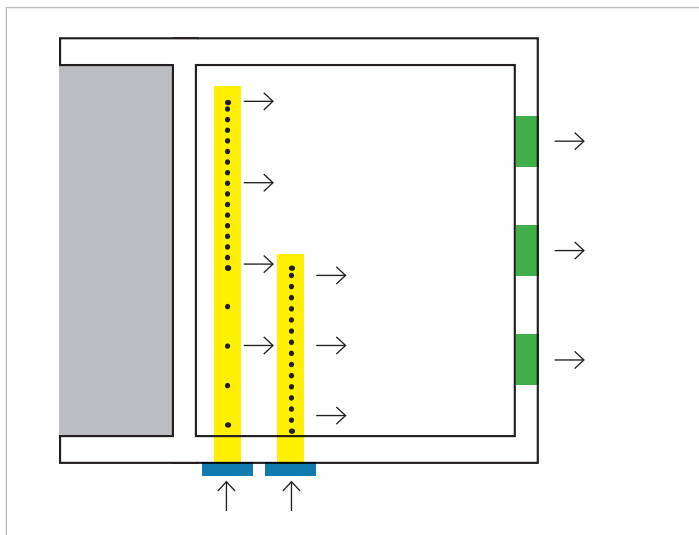
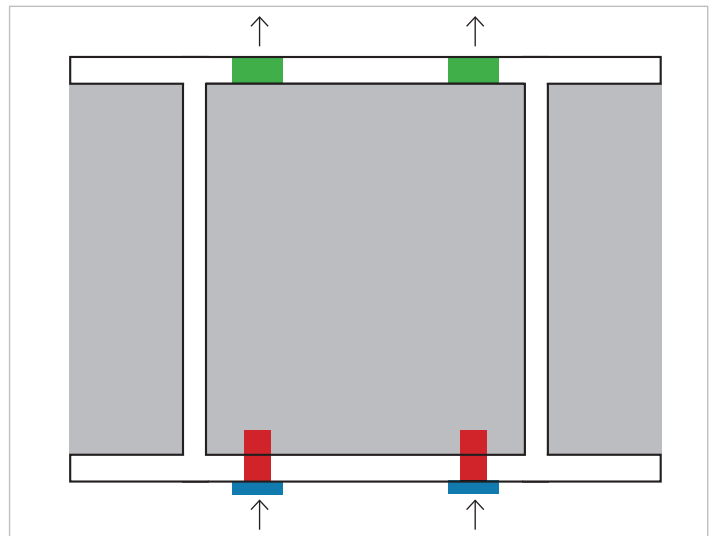
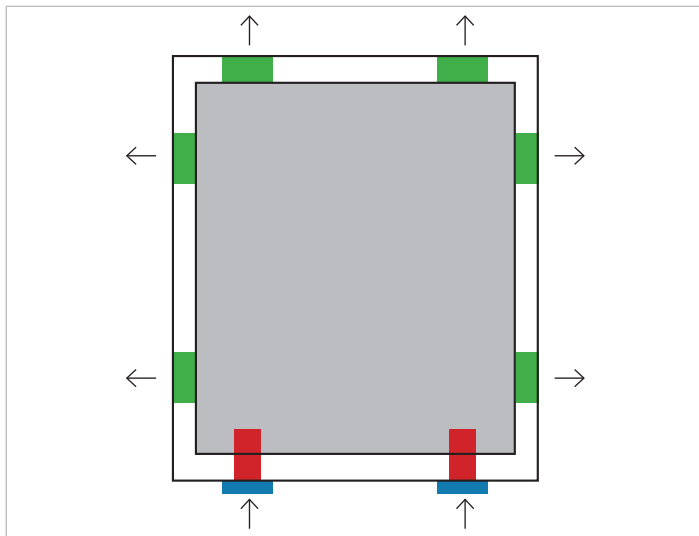
* These diagrams are conceptual only and provided to demonstrate the various way the unit can be applied and provide ideas for the system designer. They should not in any way be considered a design for any particular sub-floor ventilation system. Design responsibility rests solely with the system designer.

** Please see **GUIDANCE ON ATTACHING DUCTING** on the last page of this brochure for further information.

SYSTEM DESIGN CONCEPTS & IDEAS*

Supply Ventilation

- | | | | |
|--|------------------------------|---|-----------------------------------|
|  | MORI WMF on Supply mode |  | Airbrick or grille |
|  | Wall duct/grille with gasket |  | 100mm Ø perforated duct system ** |



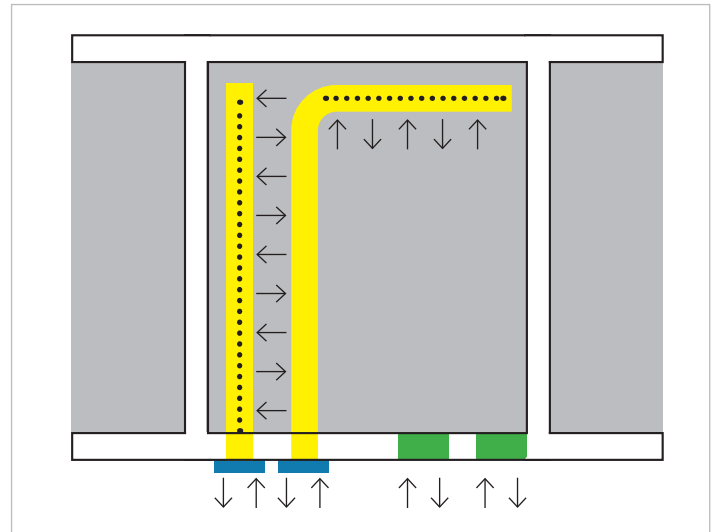
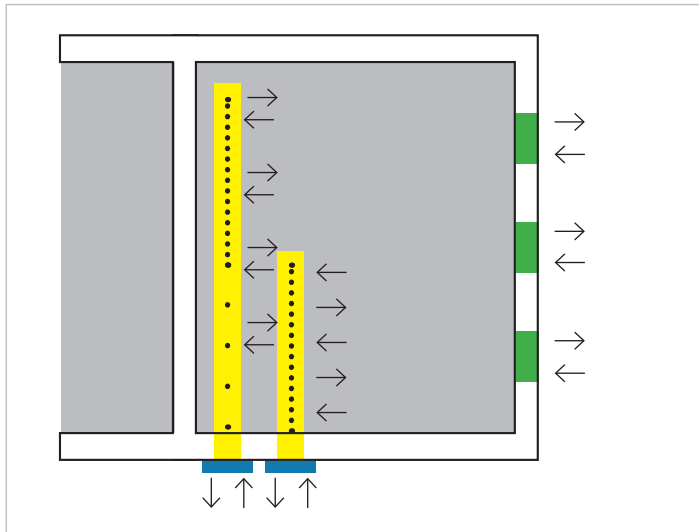
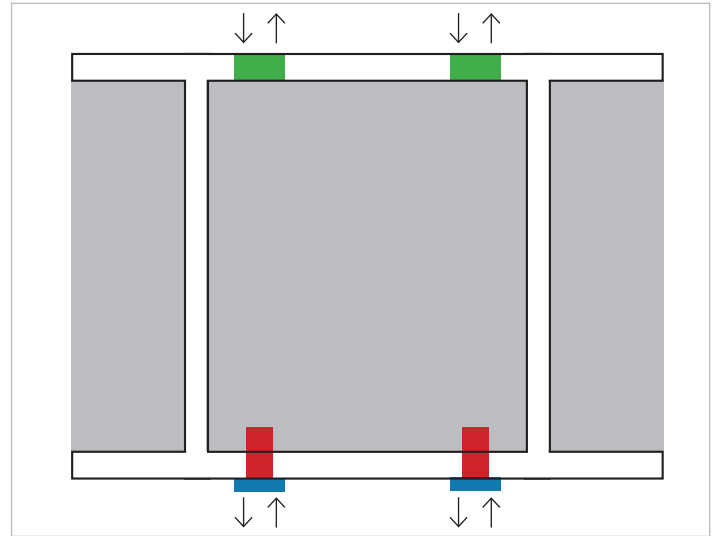
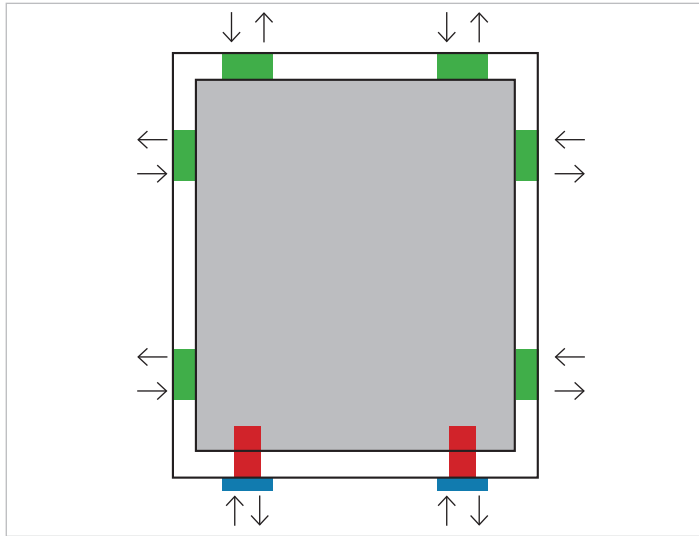
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SYSTEM DESIGN CONCEPTS & IDEAS*

Alternate Flow Ventilation

- | | | | |
|--|---------------------------------|---|-----------------------------------|
|  | MORI WMF on Alternate Flow mode |  | Airbrick or grille |
|  | Wall duct/grille with gasket |  | 100mm Ø perforated duct system ** |



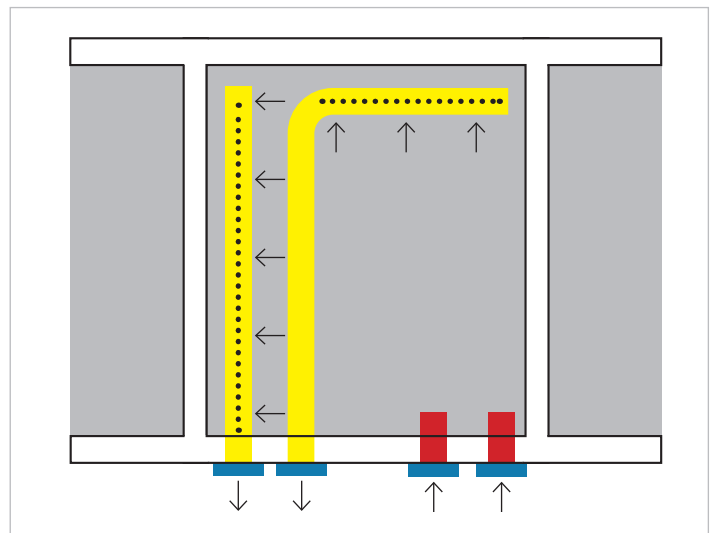
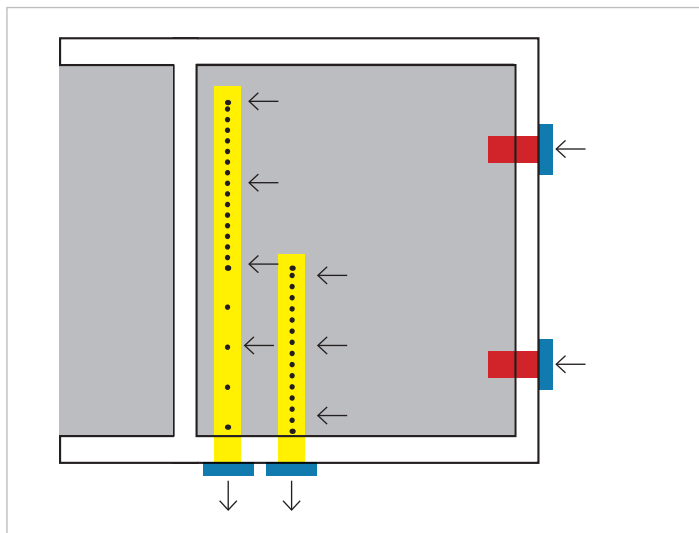
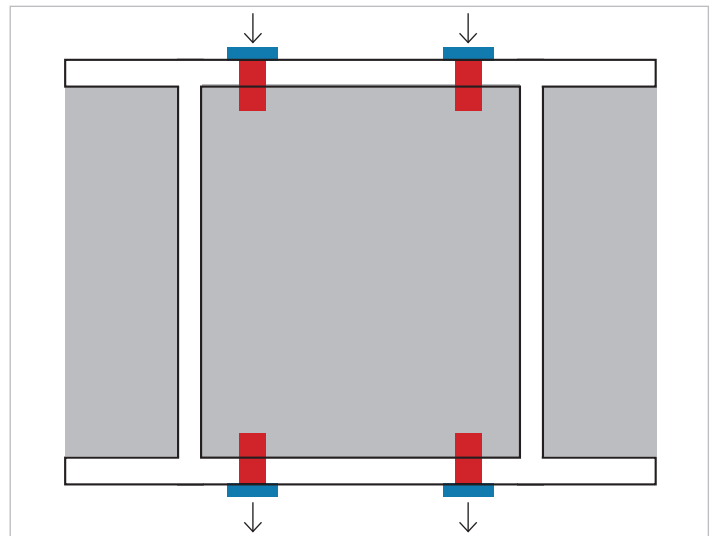
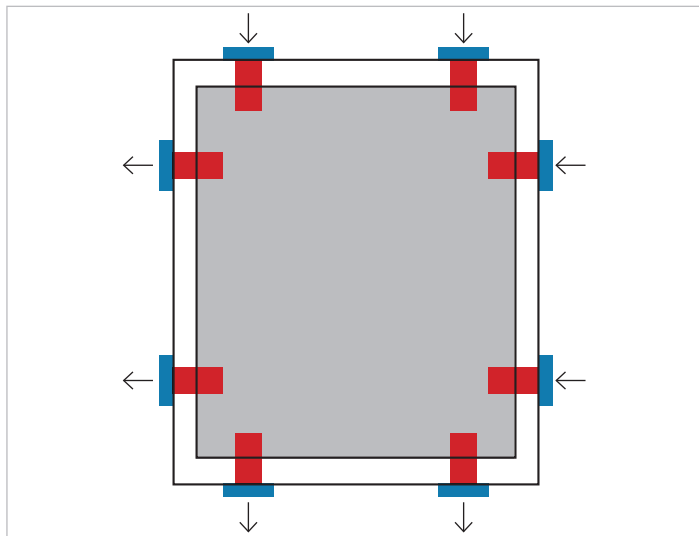
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SYSTEM DESIGN CONCEPTS & IDEAS*

Supply + Extract Ventilation

- | | | | |
|--|------------------------------------|---|-----------------------------------|
|  | MORI WMF on Supply or Extract mode |  | Airbrick or grille |
|  | Wall duct/grille with gasket |  | 100mm Ø perforated duct system ** |



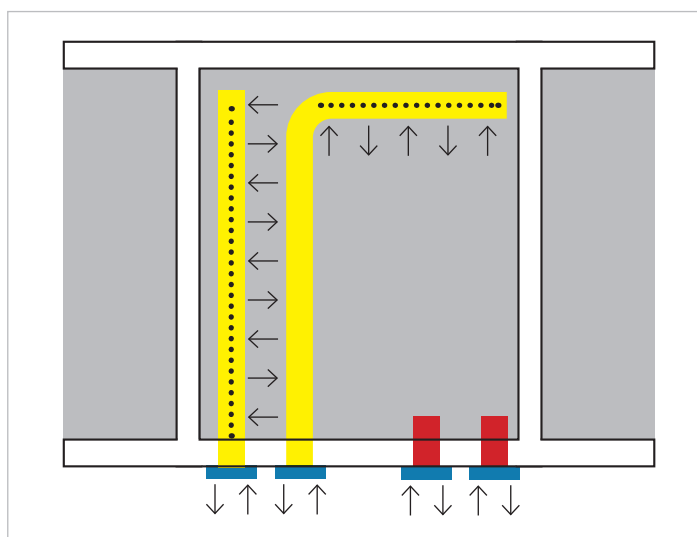
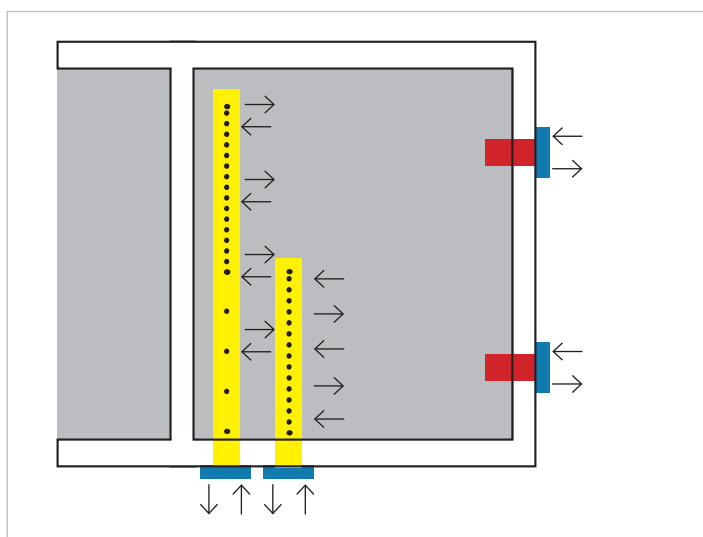
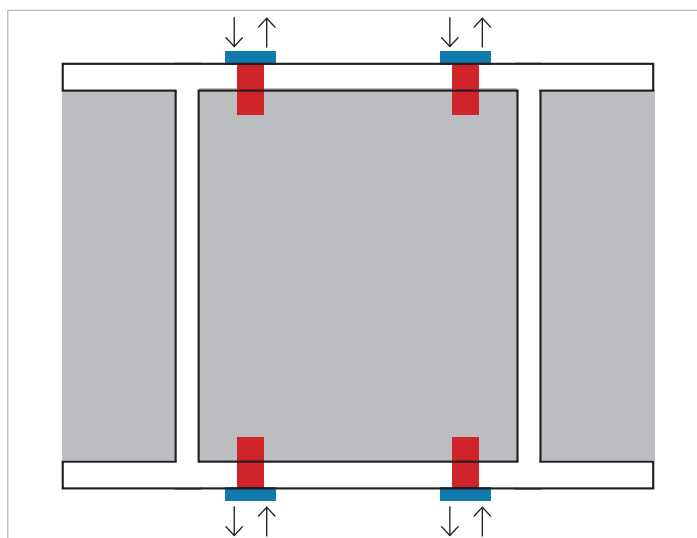
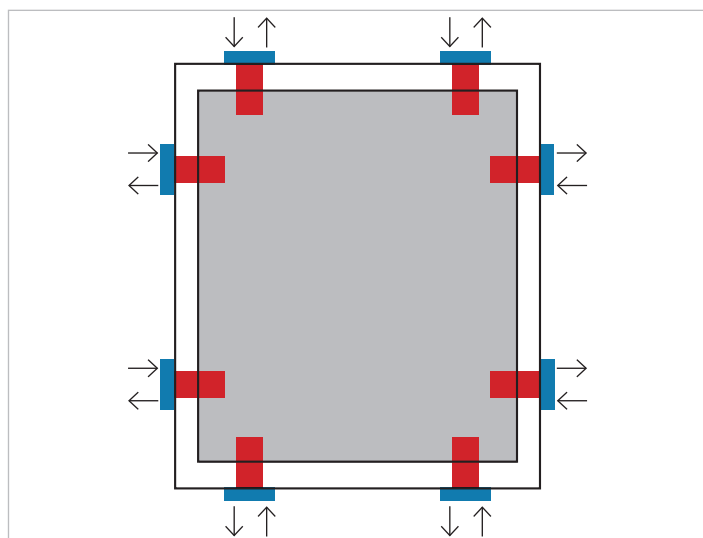
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SYSTEM DESIGN CONCEPTS & IDEAS*

Supply + Extract Ventilation with Alternate Flow

- MORI WMF on Synchronised Alternate Flow mode
- Airbrick or grille
- Wall duct/grille with gasket
- 100mm Ø perforated duct system **



GUIDANCE ON ATTACHING DUCTING We recommend the use of 100 mm diameter rigid plastic ducting, capped at the end, no longer than 16 metres long, with no more than 4 off 90 degree bends and perforated with no less than 70 off 12.7 mm diameter air inlet/outlet holes spaced appropriately along its length (this number and size of holes is required for any length of ducting). Condensate drainage holes should also be provided at suitable locations along the bottom of the duct run. The attachment of ducting will reduce the performance of the unit with the reduction dependant on a number factors including the length, number of bends, etc. As a rough guide, if the aforementioned limitations are complied with, the airflow rates in the table on page 3 of this leaflet would be expected to reduce by about 1/3rd. Please contact us if you need more detailed advice on the expected reduction in airflows of attaching a ducting system to the unit.

homevent[^]

Homevent offer a full range of ventilation services and products for new and existing homes. Our experienced staff are trained specifically to provide outstanding levels of technical competence and customer service to customers.

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www.homevent.co.uk

Our 1 year warranty is provided only to customers who purchased directly from us. If you purchased elsewhere then please contact them directly and they will let you know their warranty procedure. Our warranty covers repair or replacement of defective goods only. It does not cover any labour costs associated with defective product or component removal or installation, nor does it cover the cost of sending goods back to us for inspection. Our warranty is subject to storage, installation, commissioning, inspection and maintenance having been carried out in accordance with our Installation and Maintenance Instructions (supplied with each product) and which are also available to view, save or print from our website.

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