

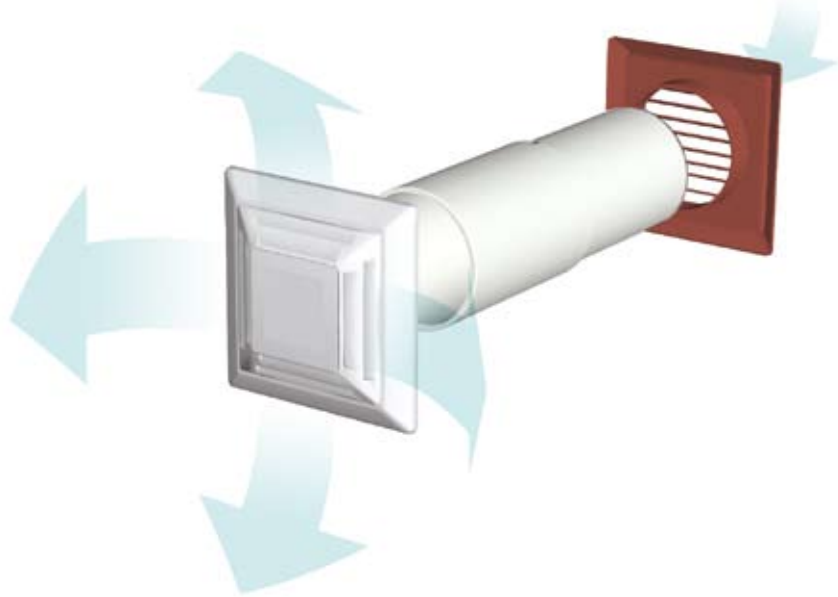
- Promotes draught-free fresh air supply
- For use in conjunction with extraction appliances where replacement air is required
- Ideal for use with exhaust air heat pumps
- Suitable for walls up to 450mm thick
- Includes removable washable filter
- Four external outlet colour choices available
- Flow rate 7.1 l/s @ 10 Pa
- Performance verified by the University of Cambridge

The new Domus Fresh Air Supply Set from Polypipe Ventilation ensures that comfortable indoor air quality is maintained.

The easy-to-install set comes complete with telescopic wall liner which allows quick, accurate and hassle-free installation.

Unobtrusive room grilles promote draught-free fresh air back into the building. The inlet grilles also contain a washable filter to cleanse incoming air, ensuring occupants' comfort is not compromised.

It is recommended that an air supply set should be installed in every room where air is being mechanically removed, so that replacement fresh air can be provided to replace the air that has been removed from the room.



Fresh Air Supply Set with Filter

New Product Information Sheet

Applications

Exhaust Air Heat Pumps

In order to function correctly, exhaust air heat pumps rely on the provision of controlled replacement air being supplied into the property at a rate that is equal to the extraction by the heat pump.

To do this, a number of Domus air supply sets need to be installed in the living areas. These should be as far from the air extract grilles of the heat pump as is practical to maximise fresh air circulation.

Extractor Fans / Cooker Hoods

Pressure in the room drops if removed air is not replaced. A lack of supply causes windows to mist up and increased extraction unit noise. To prevent this, the air flow must be balanced by ensuring an adequate amount of return air. A Domus air supply set should be installed through an external wall, preferably opposite the extraction unit.

Additional Applications

Other applications for this kit include replacement air supply for Mechanical Extract Ventilation (MEV) systems or fossil fuel burning appliances, as an alternative to conventional airbricks.



Ideal for use with exhaust air heat pumps



Ideal with cooker hood installations

IMPORTANT WARNING!

Care must be taken to ensure that the return fresh air flow is sufficient to meet the needs of all mechanical extract devices, both those that exist and any that are added. Otherwise the air flow will not be balanced effectively.

Open-flued fuel burning appliances maintain combustion by consuming air from the dwelling. An extraction unit removing air from the room without provision of additional return air can starve the appliance of oxygen and in some cases can cause a reversal of flue gases, risking carbon monoxide poisoning.

If an open-flued appliance coexists with an extraction unit, then the extraction unit and its air supply vents must conform to the Building Regulations and a BS 5440 product spillage test should be undertaken with the extracting appliance in operation. Gas hobs, gas ovens and room sealed appliances are exempt from this test. Reference should be made to BS 5440: 2000 to determine the appropriate Domus air supply set for the appliance concerned. Please contact the BFCMA for further details - www.feta.co.uk/bfcma/index.htm.



Domus fresh air supply sets correctly specified in conjunction with the appropriate appliance, ensures compliance with the Building Regulations.

Installation Guidelines

Choose a high position on the internal wall (to minimise draughts) and drill a ϕ 117mm hole through to the outside avoiding lintels or other structural items.

Fit the telescopic wall lining pipe into the wall and extend until it is flush with both the internal and external wall surfaces. Using a proprietary waterproof sealant, make a watertight seal between the outside of the pipe and the inside of the hole.

Repeat using the internal grille but ensure duct filter is in place prior to clipping grille into the fixing plate (use the plug for commissioning or pressure testing if required – retain for future use).

IMPORTANT
Keep the filter clean in order to maintain optimum airflow - clean every 6 months in warm soapy water, dry and replace.

Unclip the external grille from its fixing plate, exposing the mounting screwholes. Using the fixing plate as a template, mark the position of the holes and using the screws and plugs, fix the fixing plate. Apply sealant to the back of the fixing plate prior to fixing. Clip the grille back into its fixing plate.

| Code | Description |
|-------|--|
| 2404* | <p>Fresh Air Supply Set with Filter 100mm Multi Directional Inlet Grille with Filter, White 100mm Telescopic Pipe 250-450mm length 100mm Louvred Grille (choice of four colours) Environment Filter Pressure Testing Commissioning Plug</p> <p><i>*State external outlet colour when ordering.</i></p> <p>External wall outlet colour options</p> <p>White Brown Cotswold Terracotta</p> |

Spares and Accessories

| | |
|--|---|
| | <p>4908F 100mm Multi Directional Inlet Grille with Filter, White Includes environment filter to improve the quality of the incoming air.</p> |
| | <p>40AF Replacement Environment Filter (packs of 4) Manufactured in a unique design using polyurethane foam that makes the filter extremely light weight and washable, the environment filter captures larger air born particles (in excess of 3800 microns) to improve the quality of the incoming air.</p> |
| | <p>40AFP Pollen Filter (packs of 4) Five times denser than the environment filter, the pollen filter has the same technical characteristics but can capture most types of common pollen helping to minimise allergy problems. IMPORTANT NOTE: Using this filter will reduce the design airflow rate.</p> |

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