

Vent-Axia On-Air Newsletter April 2011



Welcome From Ronnie George

Welcome to the April issue of On-Air, Vent-Axia's newsletter.

This month the company celebrates its 75th year trading and we have many things to celebrate, including the launch of our new product showroom and training facility in which we can hold BPEC competent person courses as well as the introduction of our new Solutions Centre Design Service.

We have also added another string to our product bow with the introduction of the Bluethermal™ underfloor heating offering. The range will help contractors provide a solution which provides even, comfortable heating with running cost savings in the region of 5-10% over conventional wet systems.

NEW: AirTrak In-Line Centrifugal Duct Fans (ACH)

Designed around an efficient backward curved centrifugal impeller, the new ACH in-line centrifugal fans from Vent-Axia ensure a compact design, high performance and low sound levels.

The in-line are constructed from spun steel and incorporate an aerodynamically designed airflow guide vane, ensuring maximum performance from the unit. All models have a 30mm inlet and discharge spigots and for ease of installation come complete with mounting feet for horizontal or vertical mounting.

The ACH range is available in six models – sizes 100, 125, 150, 200, 250 and 315mm diameter and provides performance from 0.069m³/s to 0.51m³/s with a maximum pressure development of up to 700 Pa.

For further information on the AirTrak ACH range, click <http://www.vent-axia.com/range/airtrak-line-centrifugal-duct-fans-ach.html>



NEW: Bluethermal™ Underfloor Heating

The Bluethermal™ underfloor heating range is ideally suited to residential renovation and new build projects. Vent-Axia is providing three components as part of the range – the Bluethermal™ Mat, Bluethermal™ Cable and Bluethermal™ Thermostatic Controller.



For projects which require a minimum floor thickness Vent-Axia's Bluethermal™ Mat is the perfect option. With a total thickness of only 4.5mm, the 50cm wide heating mat consists of a thin twin conductor heating cable attached to an adhesive flexible glass fibre net. The 150 W/m² version can be installed on any type of levelled and stable sub floor and can be used under parquet or other wooden floor coverings, whereas, the 100 W/m² version must be installed on a non-combustible levelled and stable sub floor.

Installed as an embedded heating cable, the Bluethermal™ Cable connects to the mat and offers a linear load of 17 W/m, an area load of 150 W/m² and a maximum continuously operating temperature of the outer jacket is 65°C. Vent-Axia recommends using its Bluethermal™ Thermostatic Controller to monitor both the floor and air temperature to provide maximum control. Click link for further information.

New Appointments at Vent-Axia

Managing Director Ronnie George introduces some of the new appointments at Vent-Axia. Demonstrating the company's ongoing commitment to support its network of international distributors, Mars Sagario has joined as Export Sales Manager.

With over 20 years industry experience, Mars will be primarily responsible for export sales in the areas South and East of Germany as well as assisting in other markets as required,

Back in the UK, Simon Walker has joined the company's New Build Residential team covering north-east England.



Mars Sagario



Vent-Axia Launches Solutions Centre CAD Design Service

Vent-Axia have introduced new ranges of products to fulfil the demand for low carbon technology and solutions whilst recognising the need to support customers at all levels with these unfamiliar methods of heating and ventilation.

The design service can be used to deliver heating and ventilation designs to assist in the planning and pricing of technologies such as heat recovery ventilation, heat pumps and electric heating.

The Solution Centre designs will provide for Heating:

- Heat requirements in each room
- Total heat loss of the property
- Radiator and underfloor heating outputs

The Solution Centre designs will provide for Ventilation:

- Unit selection using the most energy efficient products to meet Part F
- Ducting layouts and terminations
- A full bill of material

To take advantage of our design service, we ask that customers submit plan drawings as well as complete a design request form at www.vent-axia.com/systems-solutions. We will then ask for a small fee of £25 to cover the costs of Vent-Axia providing a comprehensive design. When the online account has been created a unique customer reference number will be issued, allowing Vent-Axia to track the designs fully.

VENT-AXIA CONTACT NUMBERS Free technical, installation and sales advice is available

Sales Centre: Domestic & Commercial

Sales Tel: 0844 856 0590

Sales Fax: 01293 565169

Tech Support Tel: 844 856 0594

Tech Support Fax: 01293 539209

Industrial

Sales Tel: 0844 856 0591

Sales Fax: 012 93 534898

Tech Support Tel: 0844 856 0595

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Web: www.vent-axia.com

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Vent-Axia Training Update

Changes to the Part F Building Regulations have called for ventilation systems to be installed and commissioned by a competent person.

With this in mind Vent-Axia is pleased to be able to offer a 2-day BPEC course from April that will give installers all the training they require following the installation of a brand new training facility at the company's head office in Crawley, West Sussex.

The Training Centre comprises of two parts: a classroom for Day 1 (theory) and a product room with an MVHR unit set up for Day 2 (practical). Installers will then be assessed on setting up and commissioning the system.

For further information and to book a place on the course, please click the following link: <http://www.vent-axia.com/training-courses>



Vent-Axia Receives MCS Accreditation

Vent-Axia is pleased to announce that it has received the Microgeneration Certification for its Thermatic range of ground source heat pumps offered to the market.

The MCS is an internationally recognised quality assurance scheme designed by product and installer representatives which demonstrates the quality and reliability of approved products by satisfying rigorous and tested standards.

"Receiving the Microgeneration Certificate is an important step for our long term strategy and proves that our products are made and perform to the highest standard," comments Richard Paine, Product Marketing Manager – Heating and Renewables.

Visit <http://www.vent-axia.com/range/heat-pumps> for more information about Vent-Axia's heat pumps range.



Case Study: Vent-Axia Provides Sentinel Kinetic For Glasgow House

Glasgow Housing Association, working in partnership with PRP Architects and City Building, has specified Vent-Axia's Sentinel Kinetic mechanical ventilation with heat recovery (MVHR) units for the innovative Glasgow House - four prototype houses constructed at City Building's Skills Academy in Laurieston to illustrate how to dramatically improve the energy efficiency of homes.

A ground-breaking initiative derived from the housing association's ambitious plans to produce energy efficient homes, the Glasgow House project will play a key role in helping to reduce fuel bills and tackle fuel poverty across the city through modern, efficient and stylish housing. The four 4-bedroom, semi-detached prototype homes incorporate high levels of insulation coupled with low-energy technologies, such as efficient heating systems, windows and rooms which capture the energy of the sun, and solar thermal panels on the roof. Vent-Axia's Lo-Carbon™ Sentinel Kinetic has been selected as the product of choice to demonstrate the benefits of Mechanical Ventilation and Heat Recovery (MVHR) in the modern home.

A whole house, multi-room ducted solution, the Sentinel Kinetic combines supply and extract ventilation in one unit. Warm, moist air is extracted from 'wet' rooms through ducting and passed through the heat exchanger before being exhausted to the outside. Fresh incoming air is preheated via the integral heat exchanger which recovers up to 90% of the heat energy that would otherwise be wasted. The unit's energy saving Vent-Axia Lo-Carbon™ DC motors further improve its efficiency and carbon reducing capabilities.

In addition, heat recovery ventilation reduces excessive moisture in the air, combating condensation and subsequent mould growth, saving money on maintenance and decoration in the long and short-term. Residents are further aided through better indoor air quality which has the dual health benefits of reducing



microscopic fungal growth and eliminating the conditions in which house dust mites thrive, both of which are linked to allergic reactions and asthma. Sentinel Kinetic ventilates the home in a remarkably efficient way, saving energy, satisfying all relevant legislative requirements, such as Level 4 of the Code for Sustainable Homes, and makes a big impact on cutting fuel bills for tenants and homeowners.

Meanwhile, the exact ventilation rate can be set on the LCD display at normal, boost or purge speeds to match the volume of the property. This operation is then further enhanced by a range of internal and external, plug and play control and sensor options which can account for changes in humidity, air quality, PIR (Passive Infra Red), CO2 and temperature. In addition, a user enabled night-time purge facility can help reduce summer overheating. The system's operating temperature settings can be pre-programmed for automatic operation of the summer bypass, providing free summer cooling. Wireless control options are also available, allowing controls to be located in the most convenient position.

For further information on the Sentinel Kinetic range click <http://www.vent-axia.com/range/sentinel-kinetic.html>

Vent-Axia Literature

Ensure you are kept up to date with the latest literature from Vent-Axia by visiting <http://www.vent-axia.com/downloads> and downloading pdf versions. If you would prefer hard copies, speak to your local Sales Executive or email the Marketing department at marketingdept@vent-axia.com

Latest literature includes the eViking, eDemand controllers and Tempra brochures.

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