

#ThinkSmiths

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School heating season

Our experience and capabilities stand us in good stead for the upcoming school heating refurbishment season

Customer Events

Education Estates 2025 in Manchester

Technical update

Considerations for intermittently heated buildings or rooms

We are ready for the upcoming summer school heating refurbishment season



SCHOOL HEATING SEASON

As thoughts turn to the summer school heating refurbishment season Smith's has begun building stock of the key commonly specified Caspian and Ecovector II Low fan convectors.

Our experience and capabilities stand us in good stead for the upcoming school heating refurbishment season. Our range of fan convectors are well suited to school applications. Caspian fan convectors can heat large areas quickly and efficiently and are available in several versions suitable for different installations, and Ecovector II Low is perfect for where a radiator would typically have been used, but provides much more flexible and efficient heating especially when specified with Smart controls.

Over the past few years we have been able to provide products at very short notice to ensure that school heating refurbishment projects were completed on time.

Caspian is also available with Smart Controls integrating several of the most commonly sought-after control features into one control unit and more.

At the basic level it offers room temperature control and additionally offers a range of time controlling features too, making it perfect for buildings that serve a varied community demand.

Additionally, our Ecovector Low range of fan convectors are perfect for offices and smaller rooms and can heat a room more quickly than radiators, thereby reducing the amount of time your boiler or heat pump is running – making it extremely efficient and cost effective.

Education Guide

Our guide to providing heating and cooling comfort in schools, and other educational buildings is available to download here. It covers, in detail, the type of challenges faced when considering the widely differing types of rooms in school buildings.



① Caspian



① Caspian Smart Control



① Ecovector Low



① Our guide

CUSTOMER NEWS

Walking With The Wounded

Smith's is once again delighted to be supporting Gasway with their Walking With the Wounded activity in the Lake District on the 17th May where the team, which this year includes Matt Cooper from Smith's, will hike for 15km.

The event starting from Grasmere is the charity's annual flagship fundraising event for individuals, organisations and companies who want to show their support and experience a memorable team-building weekend in the Lake District alongside Walking With The Wounded staff and volunteers.

CUSTOMER EVENTS

Education Estates 2025 in Manchester

On the 14th and 15th October 2025 Smith's will be hosting a stand at Education Estates 2025 in Manchester. We will be showcasing our range of fan convectors with Smart control which are perfect for heating large spaces such as those typically found in educational buildings.

2025 Events

Specific events

Smith's will be hosting a stand at the following Specific events in 2025:

Newcastle – May 20th

Birmingham – Sept 15th

Manchester – Oct 20th

Considerations for intermittently heated buildings or rooms



TECHNICAL UPDATE

Simon Butcher | Senior Technical Services Manager

Fan convectors make a great choice for areas that experience intermittent demand for heat. Unlike radiators or underfloor heating, fan convectors have the unique ability to increase their output. This would apply to all of our hydronic units (hydronic is the term we use to describe the use of water as a heat-transfer medium in a heating system) which have either manual, or in some cases automatic, fan speed control.

Where the client/end user feels that the variability in output to attain a room temperature quickly is desirable, it is important to give the entire system design consideration. By way of example, our Caspian SL 120 unit with a 65°C MWT (Mean Water Temperature) can deliver 5.94kW of heat on low fan speed and this could be spot on for a system used 7 days a week. However, churches, schools, village halls and many more buildings are not used all day, every day, and sometimes just in use one or two days a week. Therefore having the ability to increase our products fan speed prior to occupation can deliver more heat and, in our example, medium fan speed 8.7kW.

Systems are typically designed with our products running on low fan speed to provide a comfortable environment and low noise level, which is great. The pipework, pump and heat source are therefore generally sized to reflect the set of circumstances. If you wish to quickly bring up to temperature the environment by increasing the fan speed, it is essential that the pipe sizing be capable of delivering the energy required, and in some situations the pump and heat source could be impacted too.

In summary, why not take advantage of the capability and flexibility provided by a fan convector. For a relatively low additional investment the performance of the system and experience of clients/end users can be increased significantly.



Happy to help

Smith's Environmental Products Ltd is one of the leading manufacturers of heating and cooling products in the UK.

We are committed to achieving the highest standards and our faith is supported by a free parts and labour guarantee with every product. Our customer service is second to none and we are happy to offer any help and guidance that you might need.

Contact us...

For product information, customer services or sales support call us on +44 (0) 1245 324900

For the Republic of Ireland, contact MT Agencies on 01 864 3363

Sales: sales@smithsep.co.uk

General information: info@smithsep.co.uk

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