

TROX[®] TECHNIK

The art of handling air

14 March 2017

SKYBEAM – Multiple functions in a captivating design

It is a fact that people spend 90% of their time indoors, e.g. in offices. This is why a healthy indoor climate in workplace environments is critical. It is one way of ensuring that people feel comfortable enough to perform well. In other words, designing offices in such a way that productivity and comfort are not compromised is increasingly important. Air-water systems are an excellent choice to ensure good indoor air. Using water as operating fluid, they can transfer high amounts of heating or cooling energy more efficiently than all-air systems, and they require less space.



'The system produces an elegant lightweight skyscape which is a celebration of its highly crafted and legible components. It represents the considered design synthesis of technical performance, adaptability and appearance.'
Simon Tonks, Senior Associate, Rogers Stirk Harbour + Partners

SKYBEAM is a sophisticated air-water system of an innovative design, where every functional detail is represented by an aesthetic solution. The unusual modular structure – a platform based on a chassis – not only minimises installation work, but also provides utmost flexibility with regard to design, lighting and function. While SKYBEAM perfectly fulfils its primary functions, i.e. cooling or heating, it also features improved acoustic properties and can be fitted with different luminaires and additional services such as smoke detectors or PIR sensors. And it can be retrofitted with a fresh air spigot at a later stage. This wide range of functional details plus individual choices of colour give architects and specialist consultants unique freedom of design.

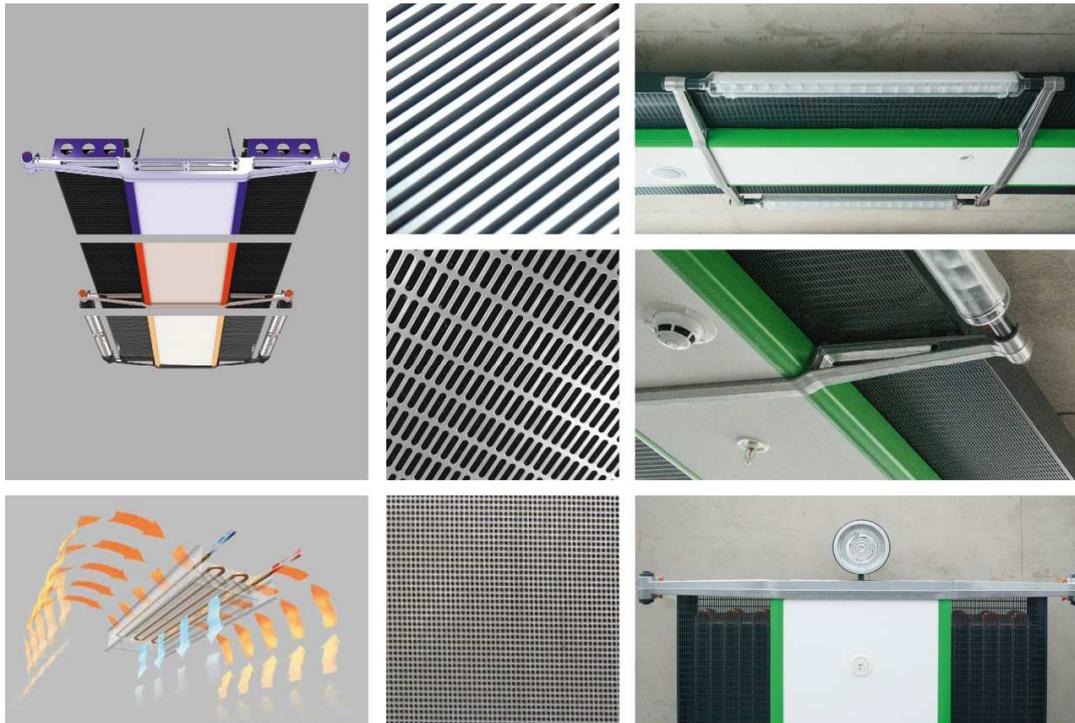
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SKYBEAM does not require a suspended ceiling. Pipes, wires and other technical parts are nicely concealed by an acoustically optimised central cover plate, which also accommodates additional services. The 1.50 m long base chassis can be expanded with any number of modules and is accordingly suitable also for the refurbishment or retrofitting of existing buildings. SKYBEAM can reduce operating costs, or provide increased performance at the same level of energy consumption.

SKYBEAM has been jointly developed by London architects Rogers Stirk Harbour + Partners and TROX. 'As workplace design strips back the traditional suspended ceiling, increasing daylight and additional height to an office layout, SKYBEAM is designed to coordinate all of those previously hidden services into a well organised, adaptable element that gives rhythm to any exposed soffit,' says Ivan Harbour, Senior Partner with Rogers Stirk Harbour + Partners.



SKYBEAM is a multi-service passive chilled beam of a captivating design, which is as impressive as its range of features.

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The highly flexible design opens up completely new ways to create aesthetic ceilings. The increase in room height and daylight, in addition to more comfort provided by the energy-efficient air-water system, certainly adds to an atmosphere of well-being in the workplace.

Rogers
Stirk
Harbour
+ Partners

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TROX is leading in the development, manufacture and sale of components, units and systems for the ventilation and air conditioning of rooms. With 27 subsidiary companies in 27 countries on 5 continents, 14 production facilities, and importers and representatives, TROX is present in over 70 countries. Founded in 1951, global market leader TROX, whose international head office is in Germany, generated in 2016 with a total of 3,770 employees around the globe revenues of approximately € 500 million.

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