

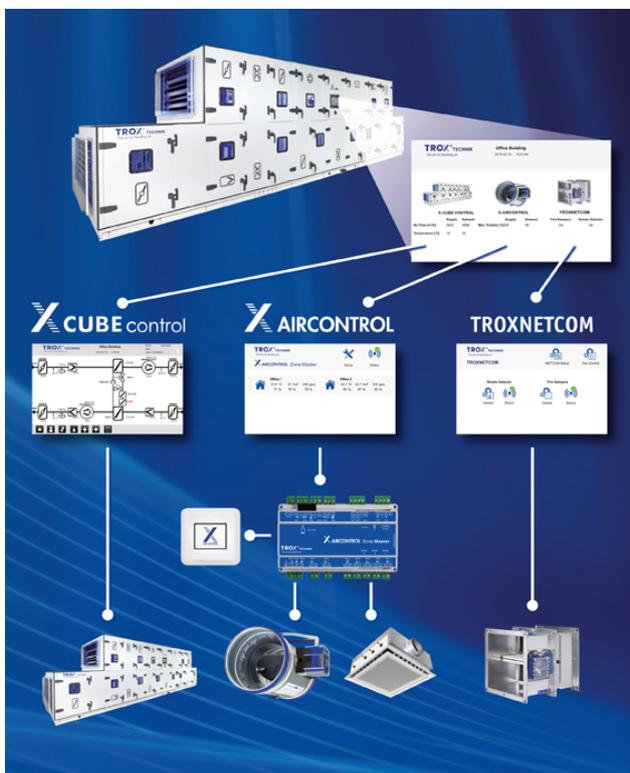
10 March 2015

## Comfort air conditioning from TROX Intelligent interconnection allows for individual solutions

'The entire world of air conditioning' – this is the TROX motto at the ISH, where the company showcases innovative and optimised components and units. What is more, at Booth B51 in Hall 11.0 the company also demonstrates its overall expertise as a provider of comprehensive systems. Such as the impressive TROX comfort air conditioning system.

### Systematic controls

TROX products control and monitor all ventilation and air conditioning functions in small and medium-sized systems. With its X-CUBE air handling unit and the dedicated X-CUBE CONTROL, the X-AIRCONTROL room and zone control system, and TROXNETCOM control for fire protection and smoke extract, the TROX set of control systems ensures safety, energy efficiency and comfort. The overall control system continuously checks the values from the room and zone control and from the fire protection control system and adjusts the operating mode of the air handling unit accordingly.



*X-CUBE CONTROL, X-AIRCONTROL and TROXNETCOM are integrated and ensure energy efficiency, excellent functional reliability, and unsurpassed comfort.*

Press Release

# TROX® TECHNIK

The art of handling air

## X-AIRCONTROL – Easy x3. Demand-based and energy-efficient.

The new TROX room and zone control is easy to install, easy to commission and easy to use. X-AIRCONTROL is used to control supply air and extract air flows, and valves for air heater, cooling unit or air-water systems. The control is based on room temperature, room air quality, humidity and whether people are present or not. X-AIRCONTROL provides many flexible solutions depending on building use, and is as a plug and play system easy to install and easy to commission. Users can adjust the comfort conditions to their needs using the 2" touch panel, including temperature measurement, or using a smartphone with intuitive app.



*X-AIRCONTROL – the new TROX room and zone control is easy to install, easy to commission and easy to use. It is used to control comfort air conditioning systems based on room temperature, room air quality, humidity and whether people are present or not.*

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## X-CUBE – for demanding hygiene requirements

The X-CUBE air handling unit has been enhanced for the ISH. Even the X-CUBE basic version meets high hygiene requirements. An extra flat stainless steel condensate drip tray, sloped in all directions, is installed in the intermediate floor panel. Integral cable ducts with patch panels ensure clean cabling inside the casing. The unit contains an SCF standard cell frame for filters which is now fitted with new quick release fasteners that allow for changing filter cells without the need for any tools. All these details simplify cleaning and maintenance. The new TROX hydraulic unit helps to install highly efficient run around coil systems in hygienically sensitive areas. The hydraulic unit includes its own control unit and can of course be integrated with X-CUBE CONTROL.



*The new hydraulic unit for high-efficiency run around coil system for the X-CUBE is a powerful system for heat recovery and for feeding of heating and cooling energy. The system can be easily integrated with the central BMS and requires only minimal wiring effort, hence facilitating installation and commissioning; the intelligent control functions ensure maximum energy efficiency.*

Press Release

# TROX<sup>®</sup> TECHNIK

The art of handling air

## **Safety. Variety of modular functions. Certified for Europe - new applications and installation solutions for fire protection systems**

The new multi-functional duct smoke detector RM-O-M, with integral airflow and contamination monitoring, ensures the utmost safety. It is a modular system and can hence be integrated with every fire protection system. The removable display unit facilitates use of the detector even in case of unfavourable installation situations.

The circular FKRS-EU and the rectangular FK-EU fire dampers have recently been certified for an increasing number of applications and for use across Europe, as is stated in the declarations of performance: flexible ceiling joint for a lightweight partition wall with 50 to 180 mm ceiling distance or flange-to-flange installation into lightweight partition walls, to name but two. The FV-EU fire protection valve has also been certified for Europe (EI90S to EI120S).



*The new RM-O-M duct smoke detector offers a choice of air guide profile or sensor head protruding into the duct. It provides an optional display unit as part of the duct smoke detector or mounted up to 8 m away from it. Optional PCBs for LonWorks®, BACnet MS/TP, Modbus RTU, AS-i can also be integrated.*

Press Release

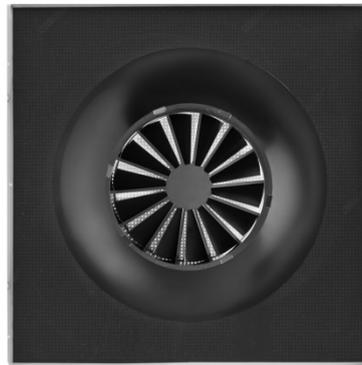
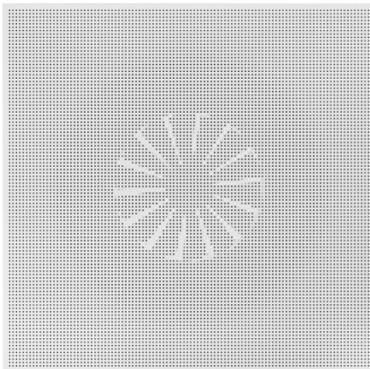
# TROX<sup>®</sup> TECHNIK

The art of handling air

## **Air distribution technology. Harmonious combination of technical function and design.**

To give architects every freedom of design even with highly complex air conditioning systems, TROX has developed components where the design is independent of technical parts and function. This has been proven by the fascinating winners of the FOCUS DESIGN competition that revolved around the XARTO ceiling diffuser.

Concealed by a finely perforated ceiling tile, the new RFD swirl diffuser quietly works away. With an extra flat discharge nozzle, covered by a finely perforated ceiling tile, the diffuser provides supply air invisibly and efficiently.



*The RFD swirl diffuser is covered by a finely perforated ceiling tile with 10 % to 30 % free area and convinces users with a uniform ceiling design and invisible technical parts.*

TROX is leading in the development, manufacture and sale of components, units and systems for the ventilation and air conditioning of rooms. With 30 subsidiary companies in 30 countries on 5 continents, 14 production facilities, and importers and representatives, TROX is present in over 70 countries. Founded in 1951, TROX generated in 2013 with a total of 3,700 employees around the globe revenues of €416 million.

This press information is also available under [www.trox.de/PR\\_ISH2015](http://www.trox.de/PR_ISH2015)

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