



10 March 2015

## **Safety provided by TROX and TROX TLT Smoke extract systems for the most demanding requirements**

'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.

Smoke extract systems are an essential part of ventilation and air conditioning. Hot fire smoke is extremely toxic and can lead to incurable lung diseases. In fact 80 percent of fatalities from fires are the result of hot fire smoke; and yet the risk is often underestimated.

TROX TLT became aware of this problem back in 1971 and developed the first fan that quickly and effectively removed hazardous hot fire smoke from buildings. The smoke exhaust fan was born; it has since been continuously improved. The latest TROX TLT developments will now be shown at the ISH.

## **Energy savings made easy**

At a time when the energy efficiency of buildings must meet ever higher requirements, it is of utmost importance that the envelope of a building is tight and keeps thermal energy inside. This is where the axial fire gas roof fan (BV AX) of Type DAX is the ideal solution. It has a casing with complete thermal insulation and hence seals the building envelope. The modern fan with its aluminium casing (corrosion protection class C5) with double skin and two fixed extract air dampers meets the requirements of the German Energy Saving Ordinance (EnEV), is weatherproof, robust and suitable for volume flow rates of more than 10,000 m<sup>3</sup> per hour.

Press Release

# TROX<sup>®</sup> TECHNIK

The art of handling air



*Weatherproof and functionally reliable: The new axial fire gas roof fan (BV AX) of Type DAX meets all legal requirements (smoke extract, German Energy Saving Ordinance EnEV). The new BV AX may be a sophisticated system yet it is easy to install because the casing, dampers, fan and base are factory mounted and form a unit. Since all TROX TLT axial fans can be integrated it is possible to achieve extensive solutions with volume flow rates of more than 100,000 m<sup>3</sup> per hour – this is not matched by any conventional roof exhaust fan.*

## Leading standards – classification on the highest level

Both the new fan and the EK-EU smoke control damper set new standards in building services engineering. The EK-EU is one of the first smoke control dampers of a German manufacturer with CE marking and general building inspectorate licence that has been tested according to the latest test standards EN 1366-10 and EN 1366-2. The installation position is independent of the airflow direction, and the damper blade can be closed automatically or manually. The EK-EU meets pressure level 3 (operating pressure from –1500 to +500 Pa). Both the fan and the smoke control damper can be integrated into the central BMS with TROXNETCOM. Maintenance is a safe and easy business, as for all TROX components.



*The new TROX EK-EU smoke control damper meets almost all test requirements of the EN 1366-10 test standard with the best results and is hence the leading product in Europe.*

Press Release



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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 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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