

## The art of handling air

### ATEX - For when danger is in the air

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#### THE AIR HANDLING UNIT WITH DUAL ATEX CERTIFICATION

Air handling units installed in areas with potentially explosive atmospheres have to comply with ATEX directive 2014/34/EU. Maximum safety – thanks to TROX air handling units for potentially explosive atmospheres:

- Developed especially for zone 1 and zone 2 areas with potentially explosive atmospheres
- Meet the requirements for groups IIA and IIB of flammable gases and vapours, and temperature classes T1 to T4
- Configurable air handling units
- Integral ATEX-compliant components

We manufacture our X-CUBE Ex units in compliance with ISO IEC 80079-34.

And we don't stop there: We also have conformity to our QM system tested and certified by an independent institute.

**TROX is in fact the only manufacturer to offer this dual certification.**

### Design for safety

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#### PERFECT UNIT CONFIGURATION

You want an air handling unit that runs safely and efficiently. The key? Configuration! It is particularly important to avoid zonal dispersion, so we do consider the input of specialist consultants, installers and system owners regarding zones and other aspects of explosion protection. These are the critical factors:

- Zones inside and outside of the air handling unit
- Type of explosive gas
- Temperature class

Efficiency, however, requires that some additional factors are considered, too:

- Type of heat recovery
- Installation location
- Air change rate in the installation space (for indoor units)
- Nearby buildings or walls (for outdoor units)
- Unobstructed airflow in two directions along an axis (for outdoor units)
- AHU operating time

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We assist you



### IN DESIGNING YOUR ATEX-COMPLIANT VENTILATION STRATEGY

We gladly help you select the unit that best suits your requirements.

Configuring an air handling unit for your project can be difficult, which is why we have developed a selection table that guides you through the relevant steps so you won't forget any important details.

We then use your data to design a project-specific, ATEX-compliant ventilation strategy with a bespoke X-CUBE configuration.

### TECHNICAL INFORMATION

Multileaf dampers and actuators / Earthing / Duct connection ^

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ATEX-inspection window / ATEX-attachments / Filters v

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Fans / Droplet eliminator / Sound attenuator



### TROX GmbH

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### Online-Services

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- › [Order-Status \(My TROX NET\)](#)

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- › [TROX Academy](#)

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- › [Catalogue Download](#)

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- › [Your contact partner](#)

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- › [Online fault report](#)

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### Service-Hotlines

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### TROX IN SOCIAL WEB

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