

## The art of handling air

### PLANT ROOM

□ This is where you find the heart of the building management system. It is from this central location that all building services, including ventilation and air conditioning, are controlled. The air handling unit (AHU) is the 'lung' of the central BMS as it provides the air that is needed.

**The X-CUBE air handling unit** by TROX is a modular unit that can be optimised for different project conditions. All components are made in Germany and are of superior quality. They ideally complement each other and make the X-CUBE particularly efficient. Intelligent features simplify installation, maintenance and operation of the AHU considerably.

With their aerodynamically profiled splitter frames, **splitter attenuators** reduce the pressure drop in comparison with conventional splitters by up to 30 %, which makes high energy savings possible. The splitters comply with the hygiene requirements of the VDI 6022 guideline. This ensures that the materials used are generally recognised as safe and do not provide a breeding ground for micro-organisms.

#### **Filter technology from TROX.**

In city centres the concentrations of particulate matter, ozone, and carbon dioxide are often higher than the levels permitted by the EU. TROX ensures that guests of hotels in city centres can also breathe fresh air. Thanks to its innovative filter technology TROX can manufacture filters for virtually every application situation. Minipleat filters with different pleat sizes and pleat spaces of only a few millimetres are just one example. Filters can thus be selected depending on the requirements of efficiency, volume flow rate, and pressure drop; the fan power can be reduced as a consequence.



### X-CUBE AIR HANDLING UNIT

#### □ ATTENUATORS MKA 200

L: 500 – 1.500 mm  
H: 300 – 1.800 mm  
Thickness: 100, 200 mm  
Sheet steel, galvanised

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### TROX GmbH

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Heinrich-Trox-Platz  
D-47504 Neukirchen-Vluyn  
Tel.: +49 (0)2845 202-0  
Fax: +49 (0)2845 202-265

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