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Type testing of a VAV- system according to DIN EN 14 175-6:2006



I.F.I. Institut für
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Fachhochschule Aachen

Certificate No.
1/TVLK-250x110/LONII/02/07

VAV-System:

Designation : **TROX TVLK/250x110/TMA/FH**
Type : TROX Labcontrol TCU-LON II
Diameter : 250 mm
Range VAV : 280–1224 m³/h
Range press. : $\Delta p_{\min} = 8 \text{ Pa}$ (280 m³/h), 80 Pa (1224 m³/h)
 $\Delta p_{\max} = 1000 \text{ Pa}$ (280 m³/h, 1224 m³/h)
Manufacturer: Trox GmbH
Address : Heinrich-Trox-Platz
D-47504 Neukirchen-Vluyn

Max. nominal extract air volume rate : 1224 m³/h
Min. nominal extract air volume rate : 280 m³/h
Tested extract air volume rates : 1224-700-280 m³/h
Date of testing : 17.01.-02.02.2007

The variabel air volume system **TROX TVLK/250x110/TMA/FH (TCU-LONII)** has been subjected to a type examination test for variabel air volume fume cupboards according to DIN EN 14 175-6 of August 2006. The air flow rate characteristics, the dynamic control modes and the setpoint values of the VAV-systems have been tested according to the requirements of DIN EN 14175-6:2006 at the above mentioned extract air volume flow rates.

The tested variabel air volume system **TROX TVLK/250x110/TMA/FH (TCU-LONII)** is in accordance with DIN EN 14175-6:2006.

The detailed results and test conditions of the type examination test of the variable air volume systems are given in „Test report No. 1/TVLK-250x110/LONII/02/07“.

Date of issue: 23.08.2007

Head of test station:

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Test station:

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Responsible test engineer:

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