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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/TVR-315/07/07

#### VAV-System:

Designation : **TROX TVR/315/TRA/FH**  
Type : TROX Labcontrol TCU II  
Diameter : 315 mm  
Range VAV : 766–3690 m<sup>3</sup>/h  
Range press. :  $\Delta p_{\min} = 20 \text{ Pa}$  (766 m<sup>3</sup>/h),  $30 \text{ Pa}$  (3690 m<sup>3</sup>/h)  
 $\Delta p_{\max} = 1000 \text{ Pa}$  (766 m<sup>3</sup>/h, 3690 m<sup>3</sup>/h)  
Manufacturer: Trox GmbH  
Address : Heinrich-Trox-Platz  
D-47504 Neukirchen-Vluyn

**Max. nominal extract air volume rate** : 3690 m<sup>3</sup>/h  
**Min. nominal extract air volume rate** : 766 m<sup>3</sup>/h  
**Tested extract air volume rates** : 3690-1800-766 m<sup>3</sup>/h  
**Date of testing** : 19.07.-24.07.2007

The variabel air volume system **TROX TVR/315/TRA/FH** 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 TVR/315/TRA/FH** 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/TVR-315/07/07“.

**Date of issue: 23.08.2007**

**Head of test station:**

Dipl.-Ing. B. Konrath

**Test station:**

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**Responsible test engineer:**

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