



Type testing of a VAV-system in accordance with DIN EN 14175-6:2006

Batch Certificate No. 2/TR-TVRK/SZ/03/20

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Designation of the tested VAV-series:

Designation: TVRK-xx/xxx/ELAB/xx/FH-xx/68-6048
Type: VAV-system for fume cupboards
Range of volume flow min.-max.: 68/740 – 540/6048 m³/h

Name and address of the manufacturer:

Manufacturer: TROX GmbH
Address: Heinrich-Trox-Platz
47504 Neukirchen-Vluyn
Germany

Variables of the VAV systems within the tested series

Geometries and connections:

Diameters: 125/160/200/250/315/400 mm
Connection: With and without flange

Actuators and sensors:

Actuator: TROX High Precision Drive (SD) or Belimo NMQ24A-SR TR (S)
Sensors: Distance sensor FH-DS/FH-DV
Face velocity transducer FH-VS
Sensor-combination FH-VD
Software: EASYLAB for fume cupboards

Measurement system: Measuring sensor

The VAV systems of the TROX TVRK-xx/xxx/ELAB/xx/FH-xx/68-6048 series comply with the specifications and requirements of DIN EN 14175-6:2006.

The evaluation was conducted on the basis of the data of tests in accordance with DIN EN 14175-6:2006 performed on different TROX-VAV-systems of the above series from 2010 to 2019.

The VAV systems mentioned are based on the same actuators, controllers and sensor systems.

The control performance as required in DIN EN 14175-6:2006 was tested and demonstrated on different TROX-TVRK-VAV systems.

The control parameters and settings for the correct functioning of the VAV systems are to be tested and – if necessary – adjusted when commissioned. The requirements of the manufacturer are to be observed.

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Head of the testing laboratory:

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Responsible test engineer:

Michael Winklehner

Testing Institute:



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