

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

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

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Designation of the tested VAV-series:

Designation:

TVLK-xx/xxx/ELAB/xx/FH-xx/100-1800

Type:

VAV-system for fume cupboards

Range of volume flow

100/350 - 700/1800 m³/h

min.-max.:

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:

Actuators and sensors:

Diameter:

250 mm

Actuator:

TROX High Precision Drive (SD) or

Belimo NMQ24A-SR TR (S)

Connection:

With and without flange

Sensors:

Distance sensor FH-DS/FH-DV

Face velocity transducer FH-VS

Sensor-combination FH-VD

Measurement

Venturi nozzle/buffel

Software: EASYLAB for fume cupboards

systems:

The VAV systems of the TROX TVLK-xx/xxx/ELAB/xx/FH-xx/100-1800 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-TVLK-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:

Responsible test engineer:

Testing Institute:

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