

Climate Recovery AB
Skeppsbron 9
391 21 KALMAR

Pressure test of ventilation ducts

(1 appendix)

Assignment

Pressure test of ventilation ducts with a circular cross-section made of moulded glass wool.

Test objects

The test objects are made of moulded glass wool.

Object 1.

Two joined ducts \varnothing 125 mm with a total length of 4.70 meter. The duct have an outside diameter of \varnothing 195 mm.

Object 2.

Two joined ducts \varnothing 200 mm with a total length of 4.70 meter. The duct have an outside diameter of \varnothing 275 mm.

Test conditions and date

The tests was carried out at SP, department of Energy Technology, in 2015-02-04. The test objects was delivered and mounted by Climate Recovery AB and they were in good condition.

Test method

The ducts were tested according to EN 13403:2003, "Ventilation for buildings – Non-metallic ducts – Ductwork made from insulation ductboards" at element 7.3 Pressure test.

Measuring equipment

	SP Inventory number	Uncertainty
Manometer, Swema 80 Man	I.nr. 202 719	± 0.1 bar

The uncertainty has been calculated according to EA-4/16 with a coverage factor $k=2$.

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Results

Object 1.

The test object was subjected to positive pressure + 2500 Pa during 1 hour without rupture.
The test object was subjected to negative pressure – 1000 Pa during 1 hour without rupture.
No remarks.

Object 2.

The test object was subjected to positive pressure + 2500 Pa during 1 hour without rupture.
The test object was subjected to negative pressure – 1000 Pa during 1 hour without rupture.
No remarks.

The test results relate only to the tested objects.

SP Technical Research Institute of Sweden Energy Technology - Building Services Engineering

Performed by



Ulf Hultman

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Appendix

1. Photos of the tested objects.

Appendix 1

1. Photos of the tested objects.



Ø 125 mm.



Ø 200 mm.