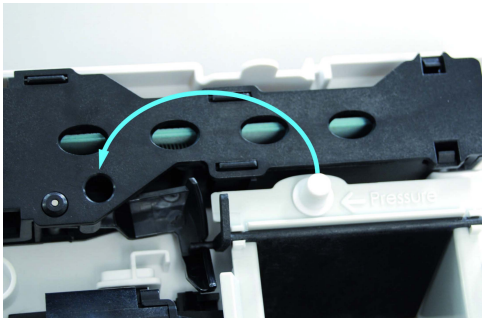
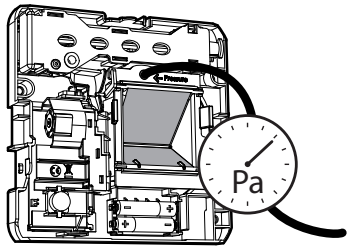
EHV - Technical information

Demand controlled extract unit

Pressure measurement and airflow calculation

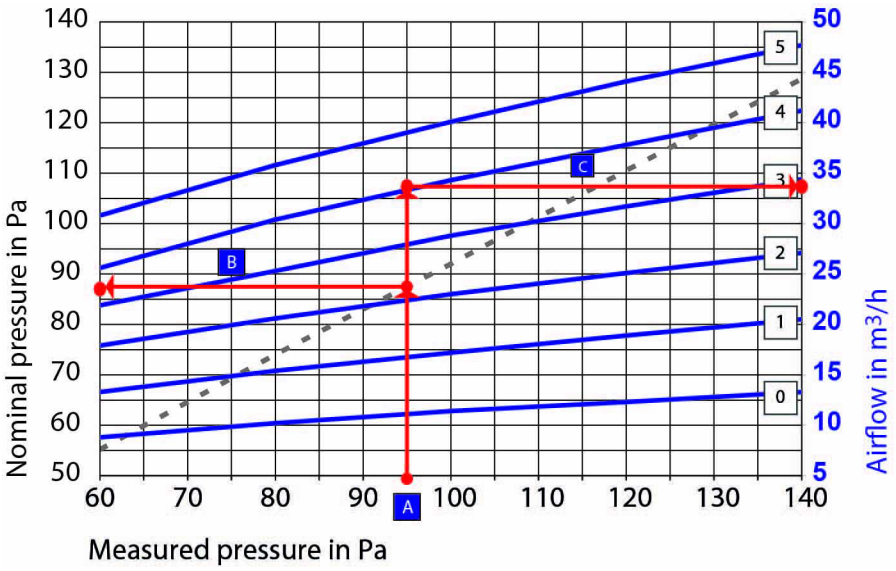
Using a manometer, the pressure can be measured via the air outlet integrated in the EHV extraction unit.*
See the installation instructions for more details about the unit's function.

Instruction

Step	Action	Illustration
1	Remove the locking pin. Use this to manually lock the humidity-controlled airflow sensitivity at its minimum position as shown in the drawing (push with fingers on the humidity-sensitivity pin to close the driven damper).	
2	Connect a manometer to read the pressure. Using the diagram on page 2 (also shown in the installation instructions), the airflow can be determined in relation to the fixed damper position (0-5).	

*The attainable airflow can thus be determined using the diagram on page 2.

How to read this chart?



Nominal pressure and airflow according to measured pressure (EHV extract unit)

Step	Action
A	Read the measured pressure (95 Pa in this example)
B	Read the nominal pressure 87 Pa in this example)
C	Read the equivalent airflow, dependent on the fixed damper position (33 m3/h in this example, with the damper set at position 4). NB: This airflow represents a scenario where the relative humidity is less than 30%.