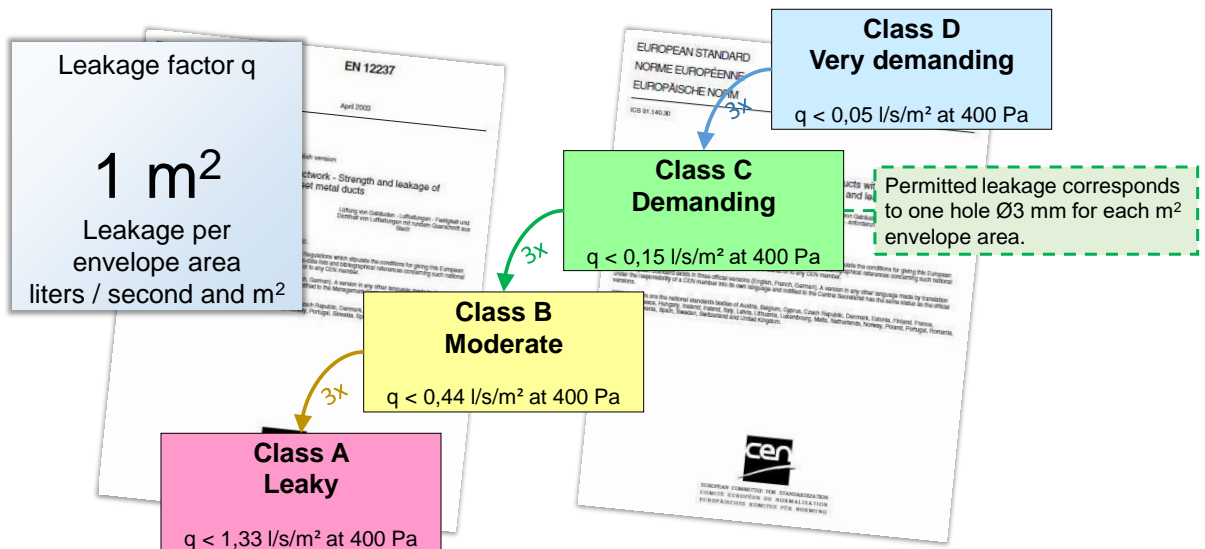


Ductwork Airtightness Tests in Sweden AMA VVS & Kyl



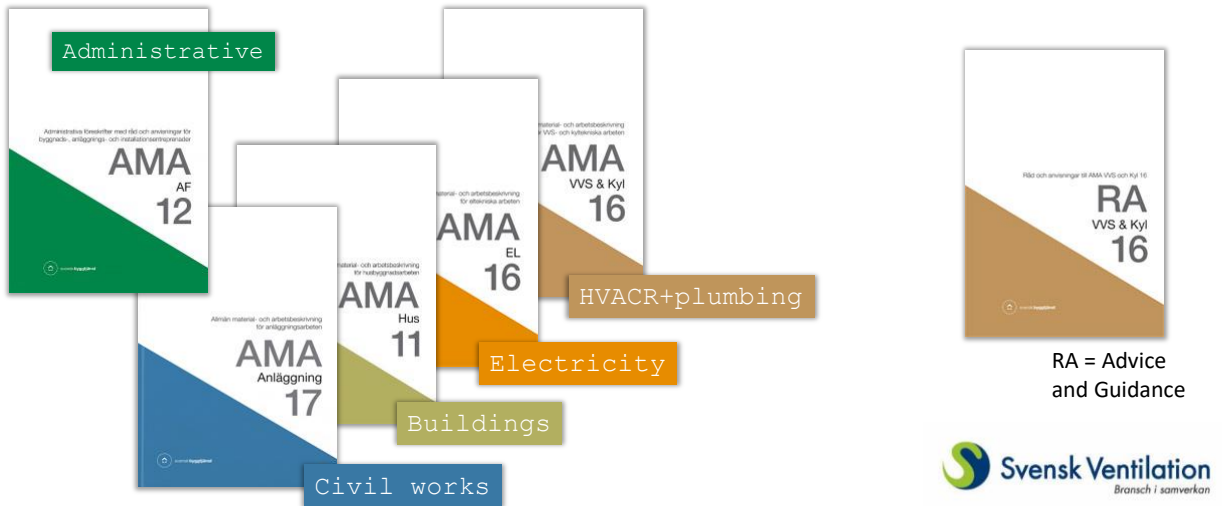
Erik Österlund
Chairman of the national
Swedish standardization
committee for ventilation

Ductwork Airtightness Standards



AMA = General Description of Materials and Works

Allmän Material- och Arbetsbeskrivning



AMA - legal status?



No law!



AMA is voluntary.

Airtight ductwork?

Correct material

Correctly installed

How do you know?

Check by measuring

Correct material

Correctly installed

Measure leakage at duty pressure, or
400 Pa default pressure
200 Pa minimum pressure

Third party certified ductwork
10% of circular
20% of rectangular

Non-third party certified:
100% to be tested.

Tight

Allmän material- och arbetsbeskrivning
för VVS- och kyltekniska arbeten

AMA
VVS & Kyl
16

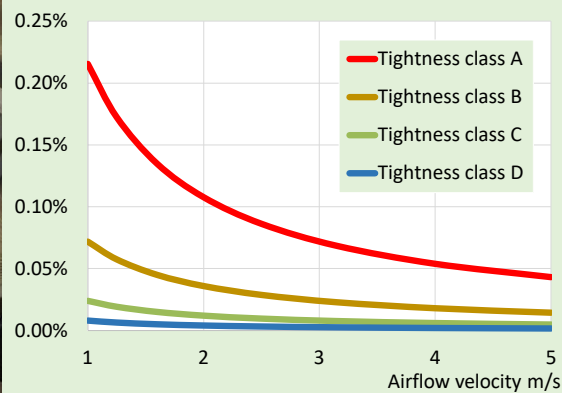
Part Y
Checks for Air Handling Systems

Divide ductwork in samples for testing.
25 m² recommended sample size
10 m² minimum sample size

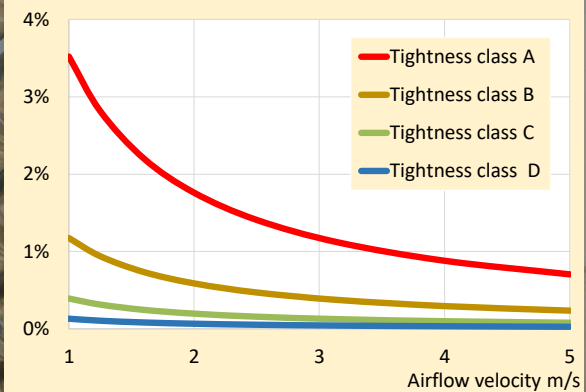
How airtight
are ducts?

1 meter

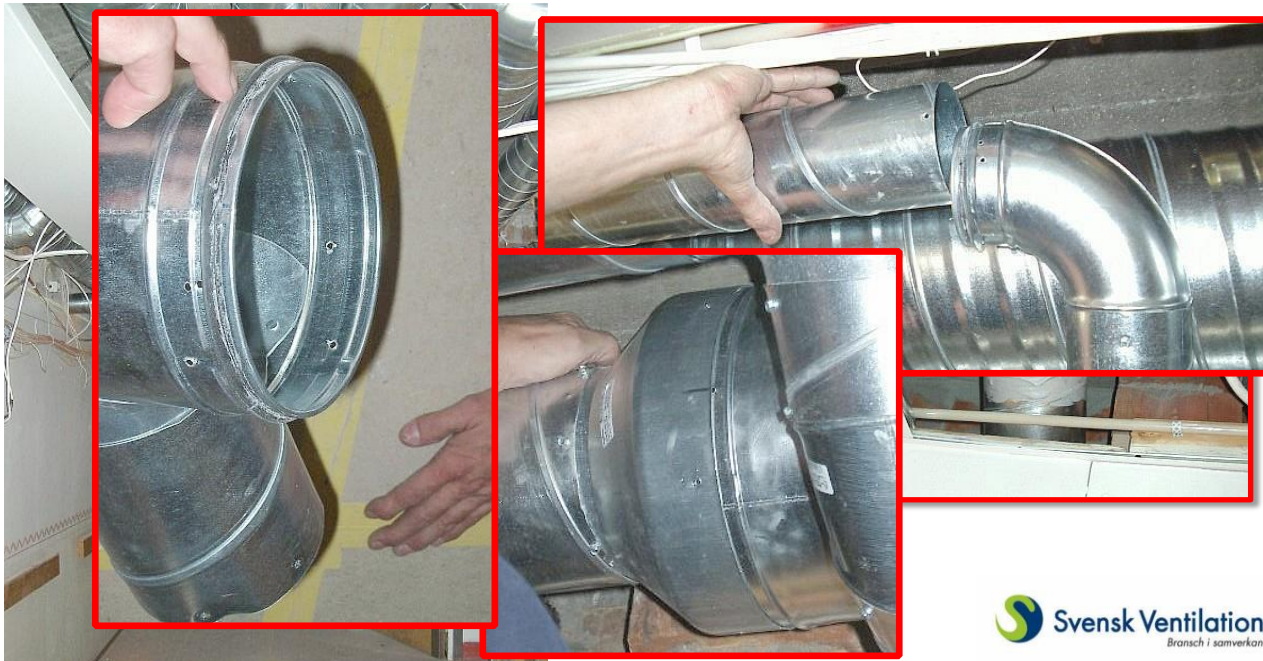
Leakage/Total Airflow, $\varnothing 1000$ mm, 100 Pa



Leakage/Total Airflow, $\varnothing 125$ mm, 300 Pa



Invisible mistakes can ruin the airtightness class





Airtight ductwork

material

mounting

measurement