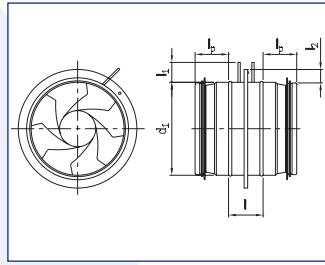




KEN-LOK

Iris damper - ID



Module for regulation, adjustment and measurement of the air flow rate. The volume control damper with flow meter measures the airflow; the linear adjustment characteristics make this easy. Stable function, independent of flow direction and a low noise level. Adjustment and measurement are carried out in the same operation, reducing the on-site time to achieve the correct airflow.

General features of the KEN-LOK dampers: Less leakage loss and minimal noise pollution in the system. The unique KEN-LOK rubber seal leads to quick and easy installing of the dampers: Plug & Play.

Unique features:

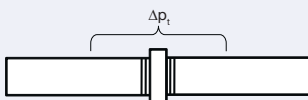
- Ø80 - Ø800mm
- Low noise level
- Centric airflow
- Stepless adjustable up to approx. 30% free opening
- Precise flow measurement
- Can be opened 100% for easy duct cleaning

There is an opening on both sides of the diaphragm with a connection option to measure the pressure in front and at the back of the valve. By this, the damper can be accurately regulated to the correct position based on the pressure difference. By measuring this pressure difference, the airflow q [l/s] can be derived. The set value and the correction factor (k-factor) are equal.

Technical data and pressure loss graphs

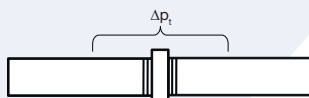
Dimensioning

The dimensioning graphs show the pressure loss, Δp_t . These can be used to determine the pressure drop and to obtain information about the sound levels at different settings.



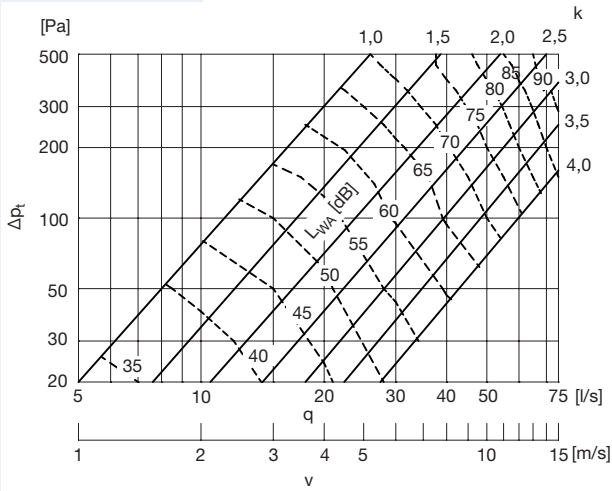
Balancing

The balancing graphs show the flow as a function of the measured pressure, Δp_m . These graphs can be used to balance the system.



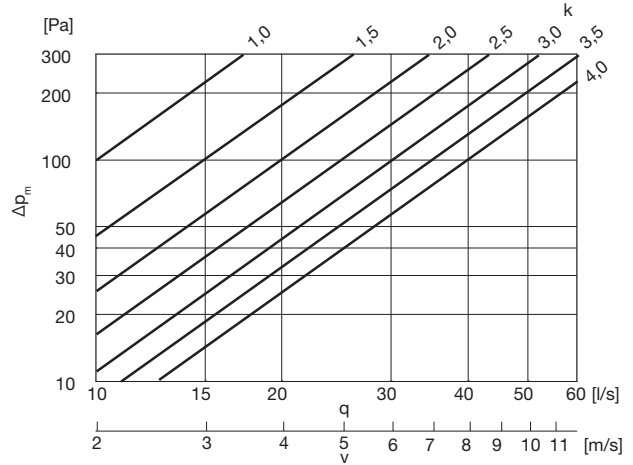
Dimensioning graphs

Ø80

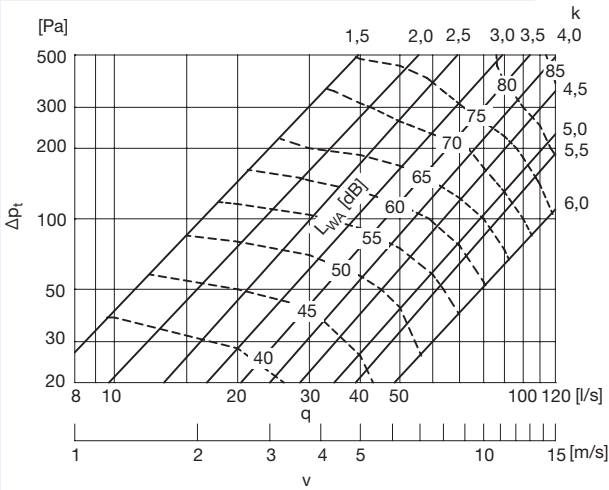


Balancing graphs

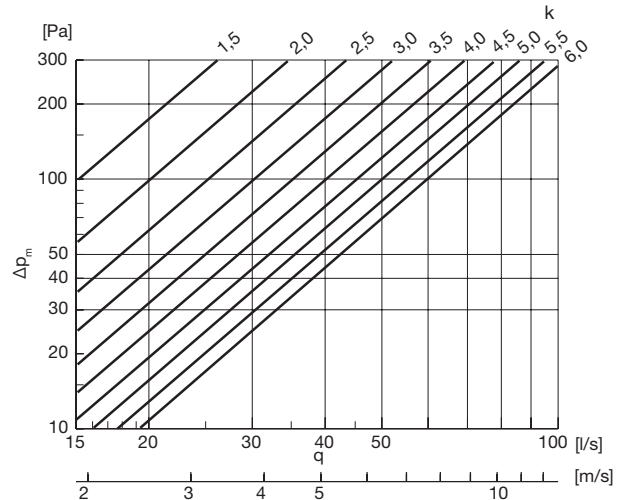
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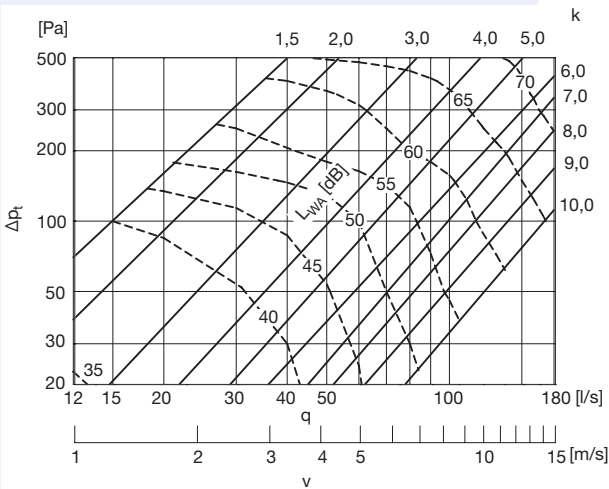
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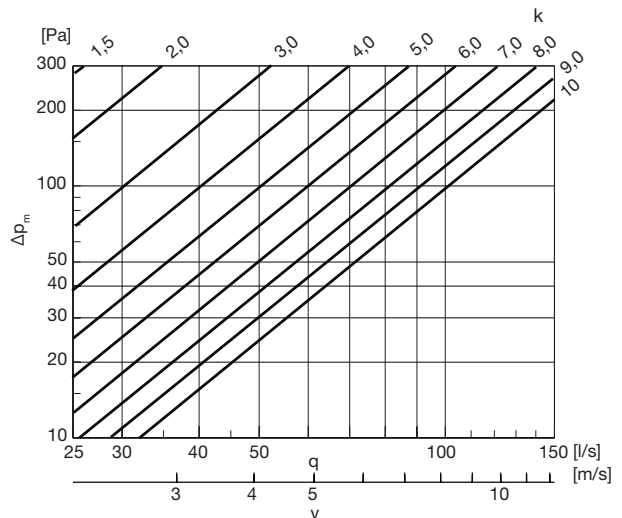
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Ø125

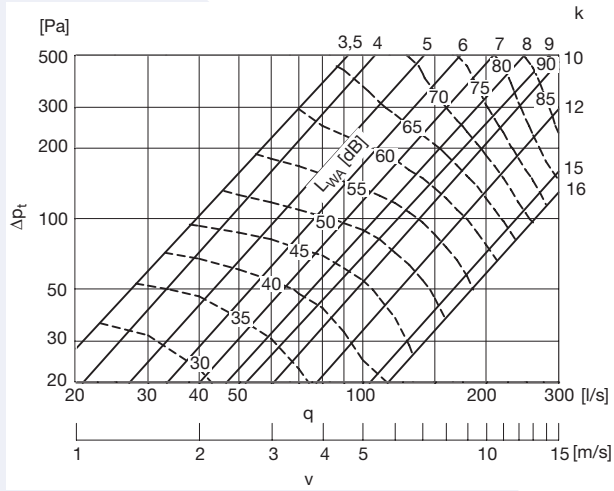


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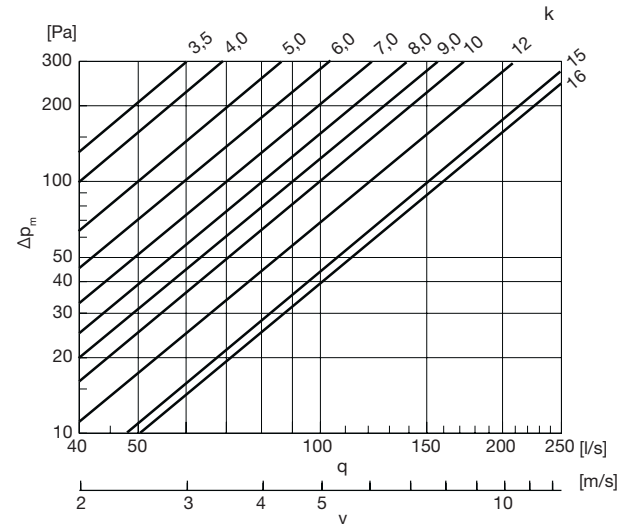
Dimensioning graphs

Ø160

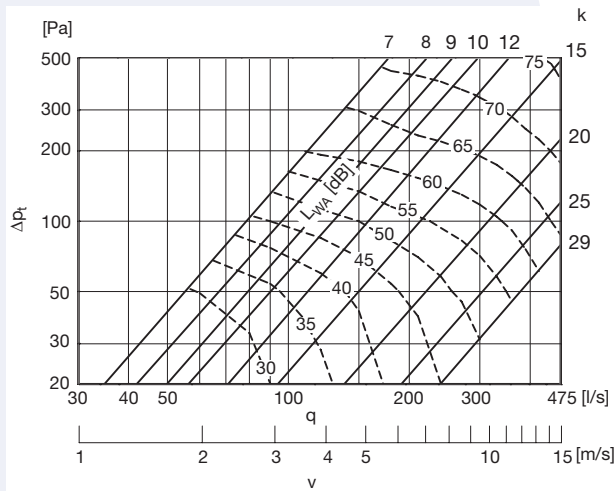


Balancing graphs

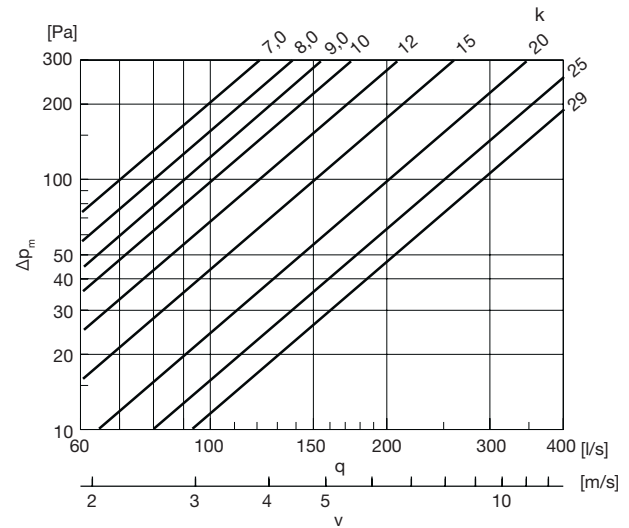
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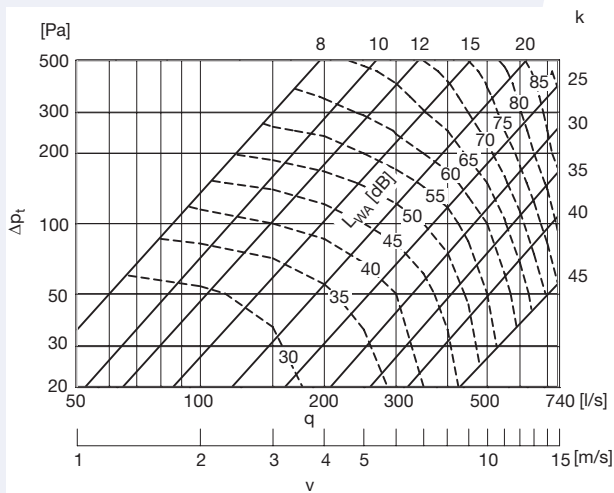
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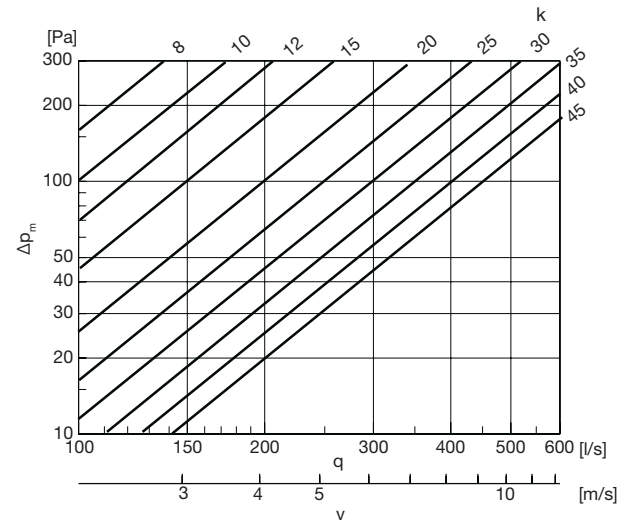
Ø200



Ø250

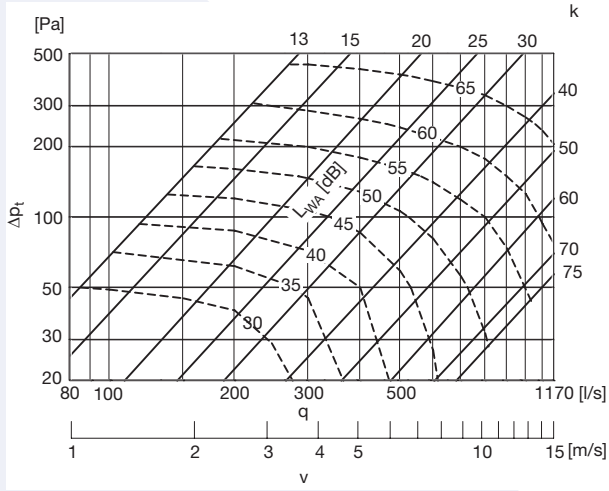


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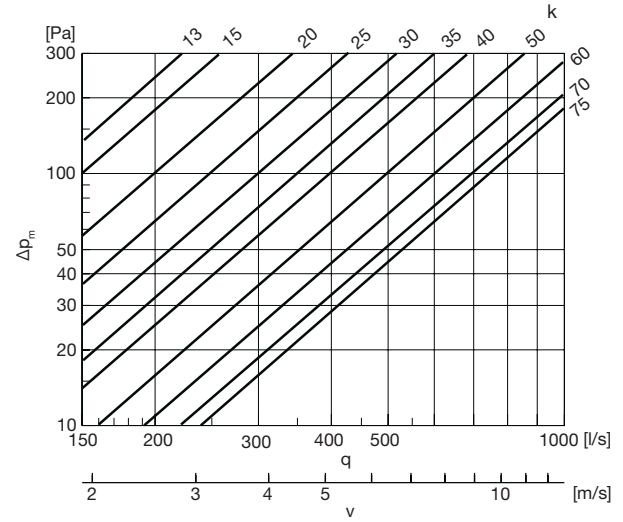
Dimensioning graphs

Ø315

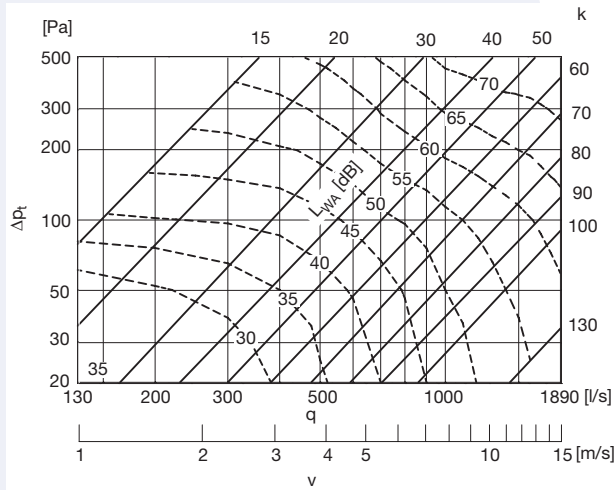


Balancing graphs

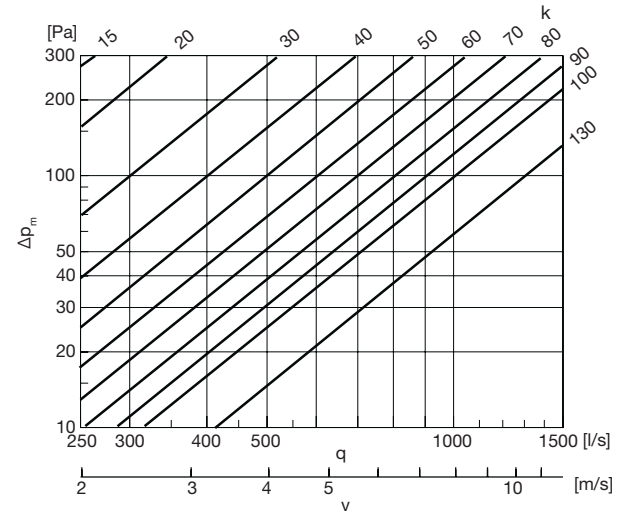
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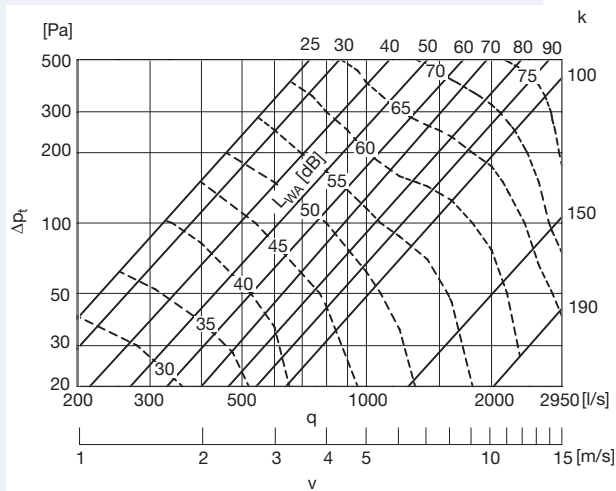
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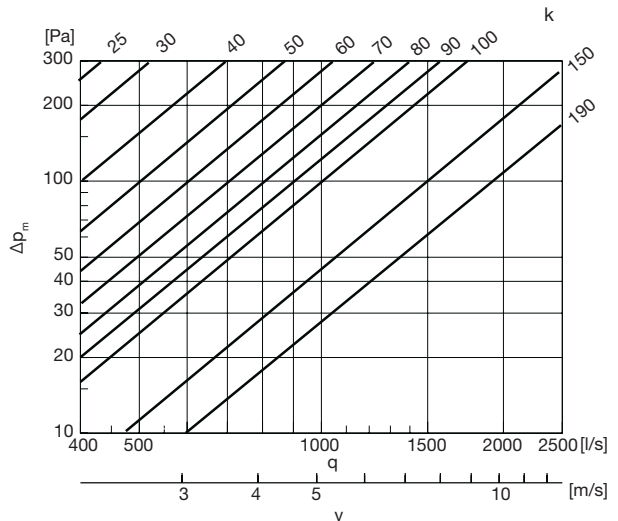
Ø400



Ø500

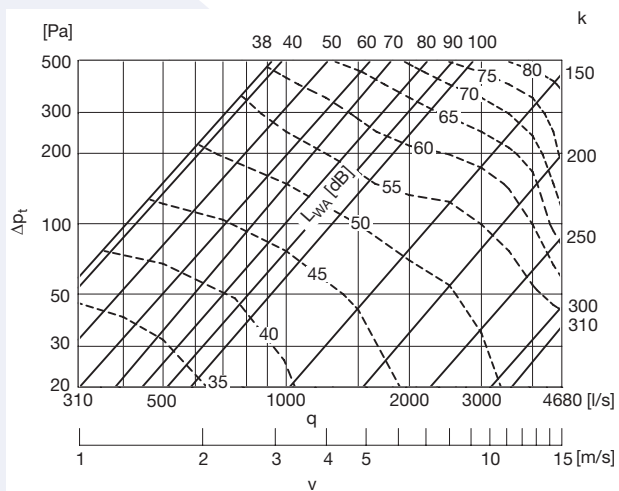


Ø500



Dimensioning graphs

Ø630



Balancing graphs

Ø630

