

Adjustable air supply anemostats KN



Description

The KN supply valve is designed for installation in the ceiling, in the wall or directly on the duct using a special mounting frame RM. The KN valve has a continuously adjustable air flow via a rotating central disc. The selected slot is fixed using a locking nut. The special design of the valve guarantees low noise level, as well as speed and ease of installation.

Material: galvanized steel sheet
Finish: powder coating RAL 9016 high gloss
Standard color: white

Example of designation

Product code: **KN - aaa**
 type _____
 Ød _____

Technical data

Parameters

The flow volume q (l/s a60 m³/h), total pressure loss P_t (Pa) and acoustic pressure level L_A (dB(A)) can be determined from the graph.

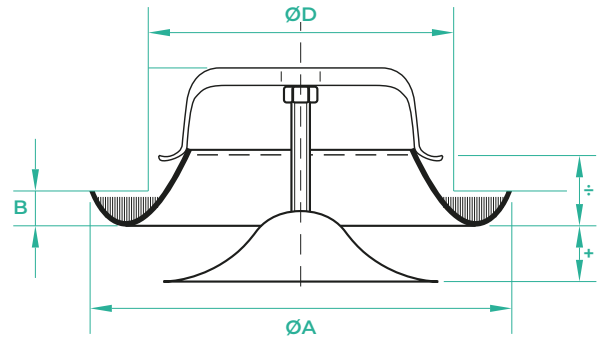
Pressure loss, P_t

The graphs depict the total pressure loss P_t (Pa).

Acoustic pressure level, L_A

The graph shows the acoustic pressure level L_A (dB(A)). The noisiness value is presented for room attenuation of 4dB, which corresponds to room reverberation zone attenuation with 10m² SABINE room acoustic absorption.

Dimensions



| ØD nom(mm) | ØA (mm) | B (mm) | weight (kg) |
|------------|---------|--------|-------------|
| 80 | 115 | 12 | 0,15 |
| 100 | 137 | 12 | 0,19 |
| 125 | 164 | 12 | 0,31 |
| 150 | 202 | 12 | 0,35 |
| 160 | 212 | 12 | 0,47 |
| 200 | 248 | 12 | 0,66 |
| 250 | 302 | 12 | 0,88 |

Acoustic pressure level L_A (dB(A))

| Dimensions (mm) | Average frequency (Hz) | | | | | | |
|-----------------|------------------------|-----|-----|------|------|------|------|
| | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 80 | 6 | 3 | 2 | 1 | -4 | -16 | -20 |
| 100 | 4 | 3 | 2 | 0 | -7 | -15 | -30 |
| 125 | 2 | 7 | 3 | -2 | -10 | -20 | -32 |
| 160 | 5 | 7 | 3 | -2 | -10 | -19 | -32 |
| 200 | 8 | 6 | 4 | -3 | -10 | -19 | -32 |
| 250 | 9 | 8 | 6 | -4 | -12 | -20 | -33 |
| tolerance | 3 | 2 | 2 | 2 | 2 | 2 | 3 |

Sound insulation (dB)

| Dimension (mm) | Average frequency (Hz) | | | | | | | |
|----------------|------------------------|-----|-----|-----|------|------|------|------|
| | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 80 | 22 | 19 | 14 | 11 | 2 | 3 | 7 | 8 |
| 100 | 22 | 16 | 11 | 8 | 6 | 6 | 3 | 6 |
| 125 | 20 | 15 | 9 | 6 | 4 | 3 | 3 | 5 |
| 160 | 18 | 13 | 8 | 5 | 4 | 4 | 5 | 6 |
| 200 | 17 | 11 | 7 | 6 | 6 | 5 | 6 | 6 |
| 250 | 18 | 12 | 9 | 7 | 7 | 6 | 7 | 5 |
| tolerance | 6 | 3 | 2 | 2 | 2 | 2 | 2 | 3 |

Adjustable exhaust anemostats KN

Technical data

