

# Supply Air Valves

# KN



## Description

The KNI air supply valve is designed for mounting on ceilings, walls or directly on ducts with use of the special assembly frame RM. The KNI valve has a continuous adjustment of inlet air by rotating central disc. Selected slot can be fixed by means of a fixing nut. Special construction of the valve ensures a low level of noise as well as easy and fast assembly.

**Material:** steel sheet

**Furnishing:** furnace enamelling

**Standard colour:** white

**Example identification**

Product code:  **KN** -  **aaa**

type   
 $\varnothing d$

\* as standard complete with mounting frame

## Technical Data

### Parameters

Volumetric flow  $q$  (l/s or  $m^3/h.$ ), total pressure loss  $P_t$  (Pa) and acoustic pressure level  $L_A$  (dB(A)) for various cone settings can be read from the figure.

### Pressure losses $P_t$

The figures show total pressure loss  $P_t$  (Pa).

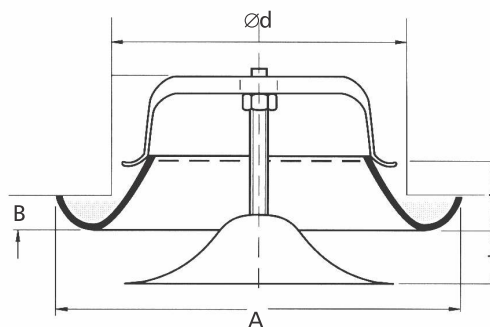
### Acoustic pressure level, $L_A$

The figure shows acoustic pressure level  $L_A$  (dB(A)). The noise level is specified for a room attenuation of 4dB, which translates into attenuation in the reverberation zone of the SABINE room with an acoustic absorption of  $10 m^2$

### Control

Details of how to control volumetric flow are to be found in the instructions for use.

## Dimensions



$\varnothing d$ nom [mm]	A [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))

dimension [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 attenuation (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

# Roof Valves KN, KN-K

## Technical Data

### Selection charts

