



Description

The KNV air supply valve is designed for mounting on ceilings, walls or directly on ducts with use of the special assembly frame RML. The KNV 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: KNV - aaa

type _____
 Ød _____

Technical Data

Parameters

Volumetric flow q (l/s or m³/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).

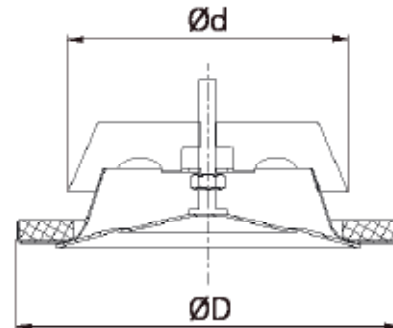
Acoustic pressure level, L_A

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 m²

Control

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

Dimensions



$\varnothing d$ nom [mm]	$\varnothing D$ [mm]	weight [kg]
80	111	0,15
100	109	0,28
125	131	0,44
160	170	0,62
200	206	0,75

Acoustic pressure level L_A (dB(A))

dimension [mm]	average frequency (Hz)							
	125	250	500	1000	2000	4000	8000	
100	4	3	2	0	-7	-15	-30	
125	2	7	3	-2	-10	-20	-32	
160	5	7	3	-2	-10	-19	-32	
tolerance	3	2	2	2	2	2	3	

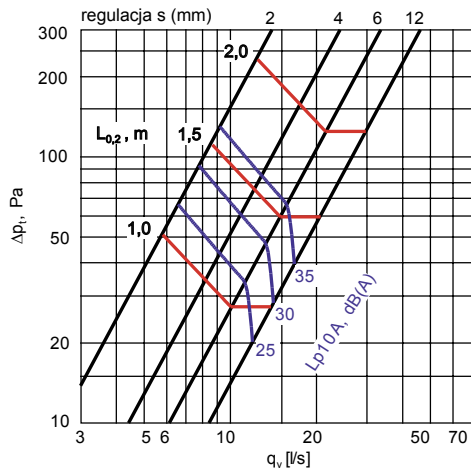
Sound attenuation (dB)

dimension [mm]	average frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
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
tolerance	6	3	2	2	2	2	2	3

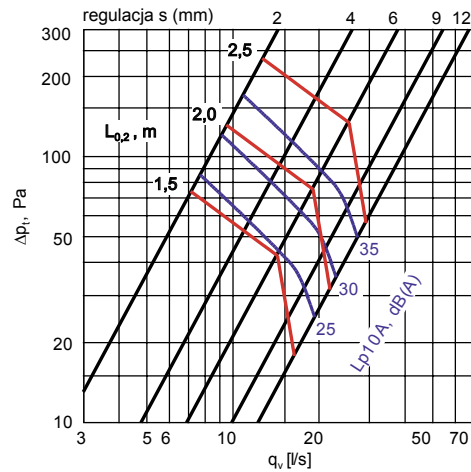
Technical Data

Selection charts for KNV

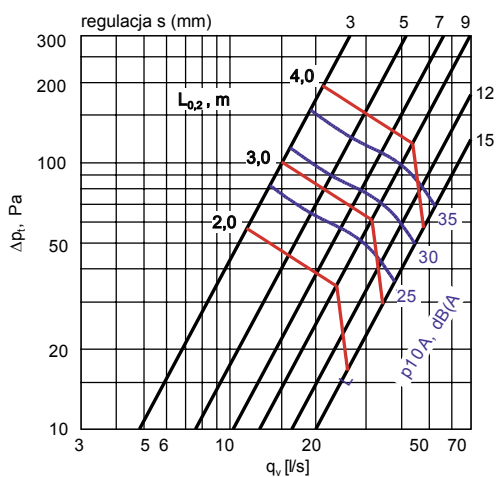
KNV-80



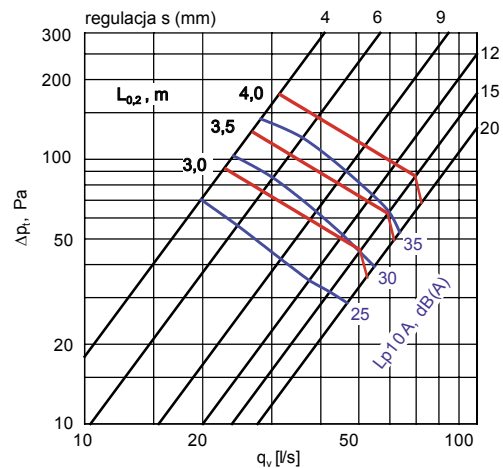
KNV-100



KNV-125



KNV-160



KNV-200

