

# Metal air supply valve

## KNV-RM



### Description

KNV air supply valves can be installed in the ceiling, on the wall or directly in the mouth of a ventilation duct using a dedicated RM mounting frame. They allow smooth adjustment of the air exhaust flow rate by rotating the disk closure in the centre. The air flow rate depends on the opening ratio, i.e. the distance between the disk closure distance and the round bezel, and it is set with a locknut. The carefully designed geometry of the valve guarantees low noise level as well as quick and easy installation.

#### Available materials — Product code examples

KNV-RM-... - steel sheet, powder-coated finish  
high-gloss RAL 9016

#### Product code example

Product code: **KNV-RM - aaa**

type \_\_\_\_\_  
Ød \_\_\_\_\_

### Technical specifications

#### The following performance parameters:

volumetric flow rate,  $q$  (l/s or  $m^3/h$ ), total pressure drop,  $P_t$  (Pa), and sound pressure level,  $L_A$  (dB(A)), can be read from the chart.

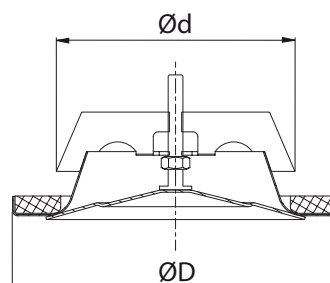
#### Pressure drop, $P_t$

The charts show the total pressure drop,  $P_t$  (Pa).

#### Sound pressure level, $L_A$

The charts show the sound pressure level,  $L_A$  (dB(A)). The noise level is shown for the sound insulation level at 4 dB indoors, which corresponds to sound insulation performance in the reverberation zone at the room absorption level for 10  $m^2$  according to SABINE's formula.

### Dimensions



$\varnothing d$ (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

#### Sound pressure level, $L_A$ (dB(A))

Dimensions (mm)	Mean frequency (Hz)						
	125	250	500	1000	2000	4000	8000
100	-6	-2	-3	-5	-8	-9	-15
125	0	1	-1	-5	-15	-21	-33
160	3	2	-1	-6	-15	-23	-36
tolerance	3	2	2	2	2	2	3

#### Sound insulation level (dB)

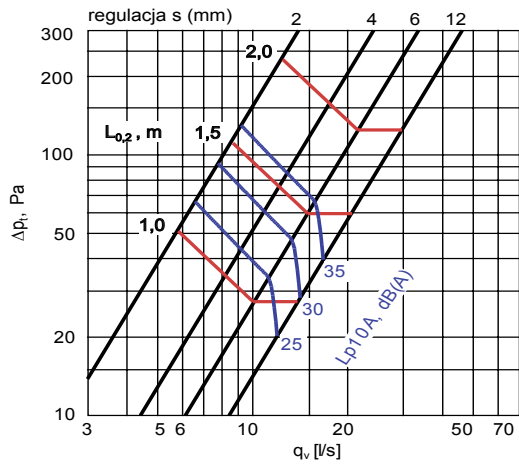
Dimensions (mm)	Mean frequency (Hz)							
	63	125	250	500	1000	2000	4000	8000
100	22	18	13	11	9	8	7	8
125	20	16	11	9	9	7	6	5
160	18	14	10	9	9	7	6	6
tolerance	6	3	2	2	2	2	2	3

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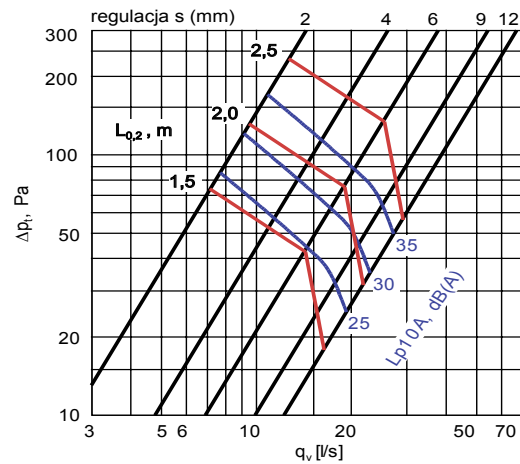
## Technical specifications

Selection charts

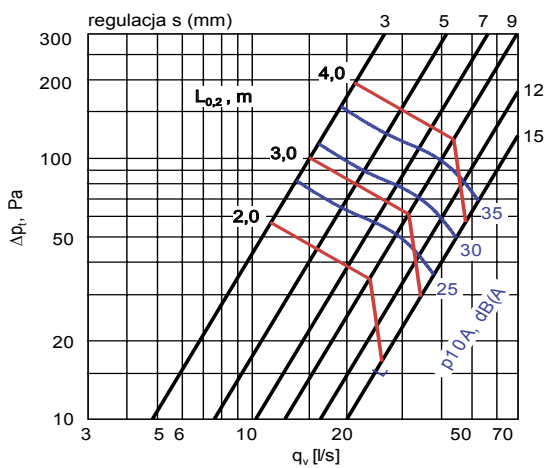
KNV-80



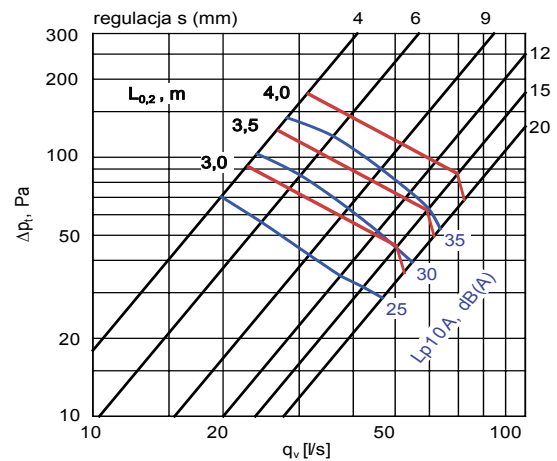
KNV-100



KNV-125



KNV-160



KNV-200

