Metal air exhaust valve
KW

Description

KW air exhaust 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. The standard air exhaust valves are supplied with a mounting frame (Product code: KW-RM).

Colours: powder-coated, RAL 9016 high-gloss white — available for KW-RM powder-coated, RAL 9010 high-gloss white — available for KW-RM-...-9010

Available materials - product code example:
KW-RM - steel sheet, RAL 9016 powder-coated finish
KW-RM-...-9010 - steel sheet, RAL 9010 powder-coated finish (optional)

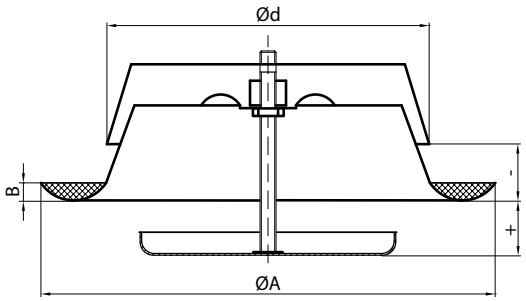
Technical specifications

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.

Product code example
Product code: **KW-RM - 200**

type
Ød

Dimensions



Ød = entry depth / internal diameter of a duct

$ØD_{nom}$ [mm]	A [mm]	B [mm]	Weight [kg]
80	115	12	0.1
100	137	12	0.2
125	164	12	0.3
150	202	12	0.3
160	212	12	0.5
200	248	12	0.7
250	302	12	0.9

Sound pressure level, L_A (dB(A))

Dimensions [mm]	Mean frequency [Hz]						
	125	250	500	1000	2000	4000	8000
80	-2	-6	-5	1	-1	-5	-14
100	-2	-4	-3	0	-1	-8	-16
125	4	3	1	-1	-3	-12	-22
160	-1	0	1	0	-4	-13	-26
200	0	-5	1	2	-13	-28	-32
250	1	-7	2	3	-15	-29	-33
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
80	24	18	14	9	7	7	7	9
100	22	16	11	7	5	5	5	7
125	21	14	9	7	4	4	6	8
160	14	13	8	5	4	4	7	7
200	17	10	6	4	3	4	8	4
250	15	8	5	3	2	3	6	5
tolerance	6	3	2	2	2	2	2	3

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