

# Air exhaust/supply valves **RKW / RKN**



# Air exhaust valves

## RKW

### Applications:

Air exhaust valves RKW are designed to be installed on wall, ceiling or directly on rigid or flexible ducts, using the special fastening frame RRM.

### Description:

The design of exhaust valve RKW provides easy adjustment of the evacuated air flow, by simple rotation of the central disc. Then its position may be blocked with a safety nut. The special valve design provides low noise levels and easy and quick assembly.

### Material:

Steel.

### Finish:

Electrostatically painted surface, dried in polymerization oven, providing increased lifetime of the paint layer and its pigment. Standard color: WHITE - RAL code 9016. On request, products may be delivered in any RAL color.

### Fastening:

Screwing into the special fastening frame RRM, previously fixed to the installation support.

### Packaging:

Individual packaging, in polyethylene foil and delivered in cardboard boxes.

### Technical specifications text-box, for price quotation requests:

Exhaust valve, made of steel and painted with electrostatic coating;

Color: RAL #####;

Connection sizes: ..... mm;

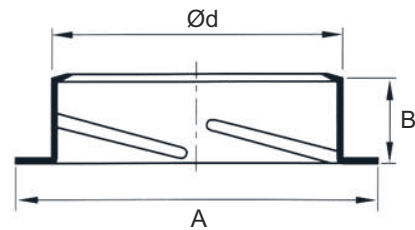
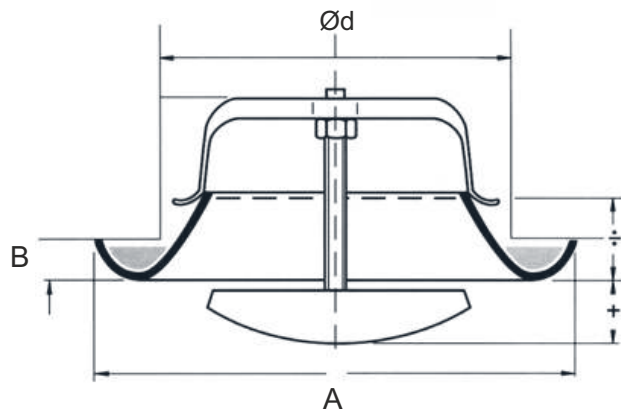
Type: RITECH RKW ###.



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## Sizes and performances

### RKW



Ød = internal diameter of the duct

Example: Code RKW 200 represents:  
**Exhaust valve, with connection size Ø200**

Engineering tolerance  $\pm 2\text{mm}$

Size of RKW valve

Ød	A	B	weight
[mm]	[mm]	[mm]	[kg]
80	115	12	0,100
100	137	12	0,200
125	164	12	0,300
150	202	12	0,300
160	212	12	0,500
200	248	12	0,700
250	302	12	0,900

Size of RRM frame

Ød	A	B	weight
[mm]	[mm]	[mm]	[kg]
80	118	50	0,040
100	125	50	0,050
125	155	50	0,065
150	176	50	0,085
160	186	50	0,100
200	230	50	0,140
250	280	50	0,175

Acoustic pressure level

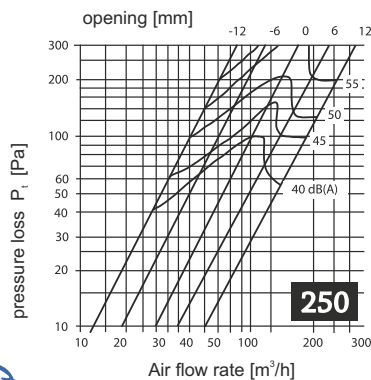
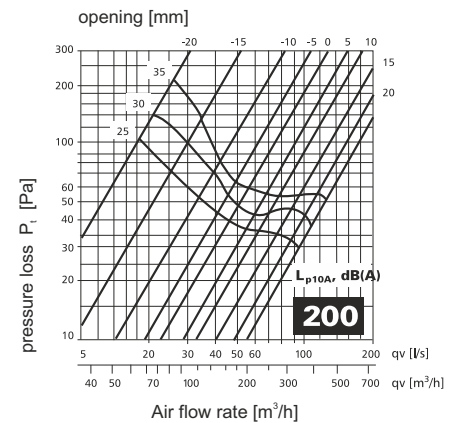
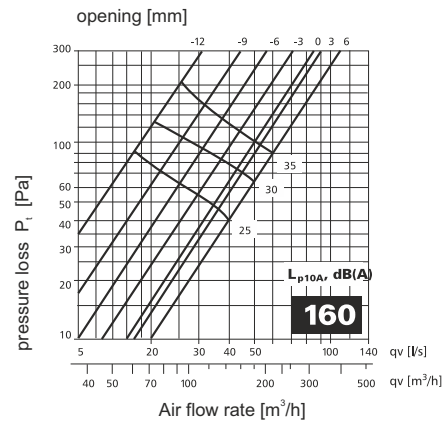
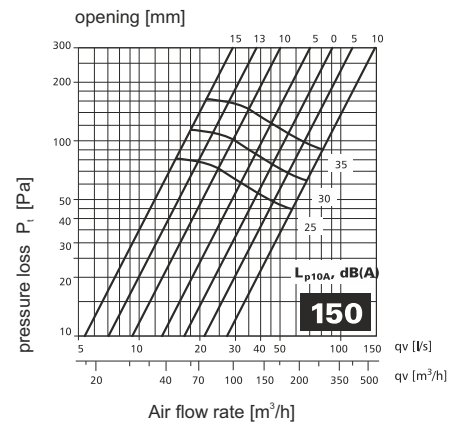
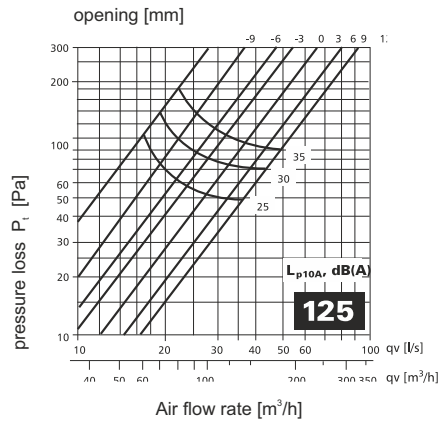
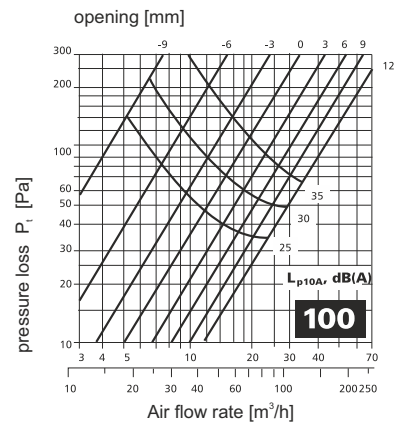
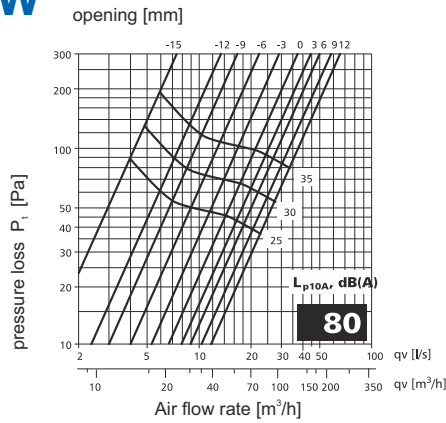
Size	Average frequency [Hz]						
[mm]	125	250	500	1.000	2.000	4.000	8.000
80	-2	-6	-5	1	-1	-5	-14
100	-2	-4	-3	0	-1	-8	-16
125	4	3	1	-1	-3	-12	-22
160	-1	0	1	0	-4	-13	-26
200	0	-5	1	2	-13	-28	-32
250	1	-7	2	3	-15	-29	-33
tolerance	3	2	2	2	2	2	3

Sound attenuation

Size	Average frequency [Hz]							
[mm]	63	125	250	500	1.000	2.000	4.000	8.000
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
150	14	13	8	5	4	4	7	7
160	17	10	6	4	3	4	8	4
200	15	8	5	3	2	3	6	5
tolerance	6	3	2	2	2	2	2	3



# Selection chart RKW



NOTE:  
The rated noise level was determined in specialized test rooms.



## Air supply valves **RKN**

### Applications:

Air supply valves RKN are designed to be installed on wall, ceiling or directly on rigid or flexible ducts, using the special fastening frame RRM.

### Description:

The design of air supply valve RKN provides easy adjustment of the inlet air flow, by simple rotation of the central disc. Then its position may be blocked with a safety nut. The special valve design provides low noise levels and easy and quick assembly.

### Material:

Steel.

### Finish:

Electrostatically painted surface, dried in polymerization oven, providing increased lifetime of the paint layer and its pigment. Standard color: WHITE - RAL code 9016. On request, products may be delivered in any RAL color.

### Fastening:

Screwing into the special fastening frame RRM, previously fixed to the installation support.

### Packaging:

Individual packaging, in polyethylene foil and delivered in cardboard boxes.

### Technical specifications text-box, for price quotation requests:

Supply valve, made of steel and painted with electrostatic coating;

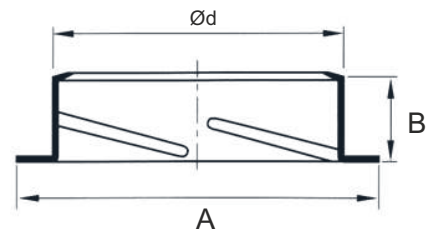
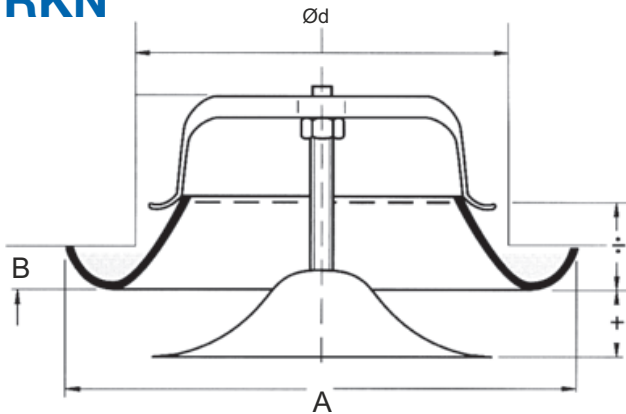
Color: RAL ####;

Connection sizes: ..... mm;

Type: RITECH RKN ###.



## Sizes and performances RKN



Ød = internal diameter of the duct

Example: Code RKN 200 represents:  
**Supply valve, with connection size Ø200**

Engineering tolerance  $\pm 2\text{mm}$

**Size of RKN valve**

Ød	A	B	weight
[mm]	[mm]	[mm]	[kg]
80	115	12	0,100
100	137	12	0,200
125	164	12	0,300
150	202	12	0,300
160	212	12	0,500
200	248	12	0,700
250	302	12	0,900

**Size of RRM frame**

Ød	A	B	weight
[mm]	[mm]	[mm]	[kg]
80	118	50	0,040
100	125	50	0,050
125	155	50	0,065
150	176	50	0,085
160	186	50	0,100
200	230	50	0,140
250	280	50	0,175

**Acoustic pressure level**

Size	Average frequency [Hz]						
[mm]	125	250	500	1.000	2.000	4.000	8.000
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**

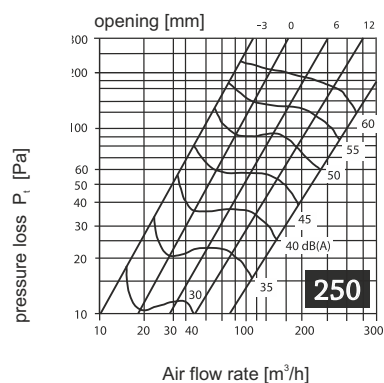
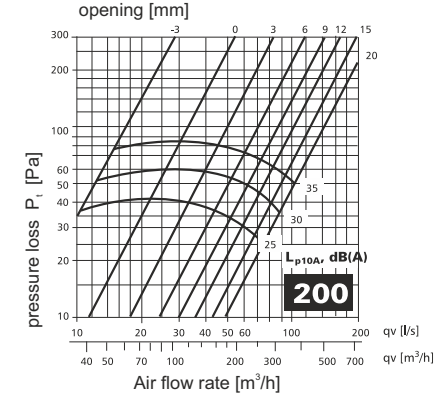
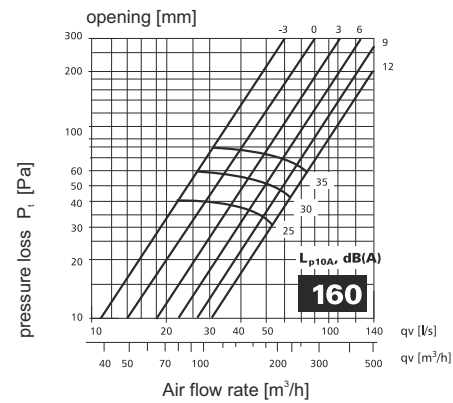
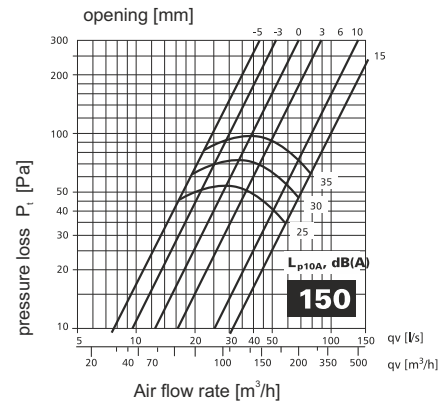
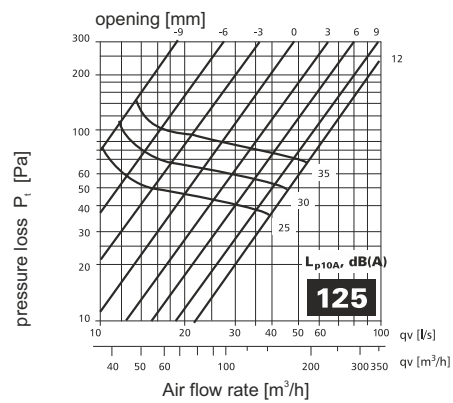
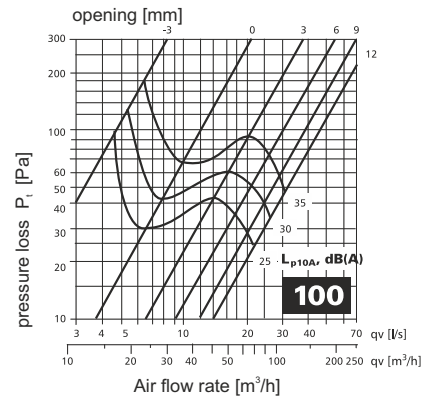
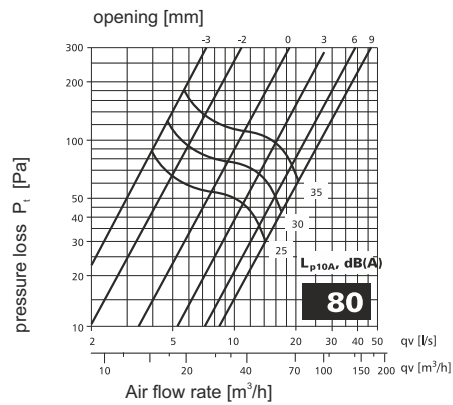
Size	Average frequency [Hz]							
[mm]	63	125	250	500	1.000	2.000	4.000	8.000
80	22	19	14	11	2	3	7	8
100	22	19	11	8	6	6	3	6
125	20	15	9	6	4	3	3	5
150	18	13	8	5	4	4	5	6
160	17	11	7	6	6	5	6	6
200	18	12	9	7	7	6	7	5
tolerance	6	3	2	2	2	2	2	3



Design your environment



# Selection chart RKN



NOTE:  
The rated noise level was determined in specialized test rooms.





Design your environment