



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;

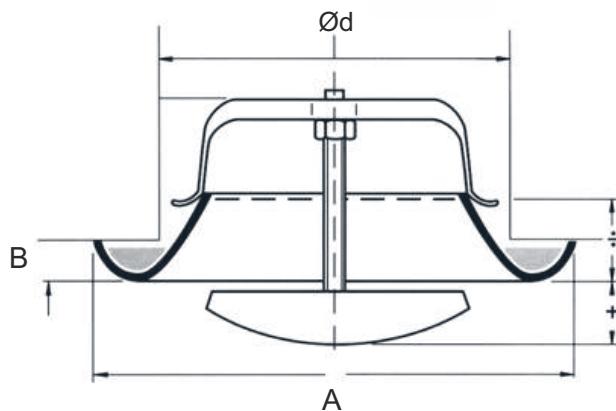
Type: RITECH RKW ##.



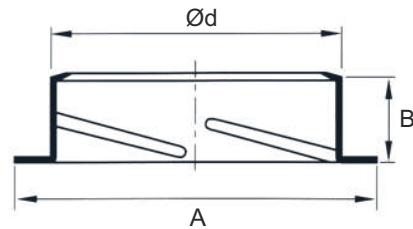
Design your environment

Sizes and performances

RKW



$\varnothing d$ = internal diameter of the duct



Example: Code RKW 200 represents:
Exhaust valve, with connection size $\varnothing 200$

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

Size of RKW valve

| $\varnothing d$ [mm] | A [mm] | B [mm] | weight [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

| $\varnothing d$ [mm] | A [mm] | B [mm] | weight [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 [mm] | Average frequency [Hz] | | | | | | |
|--------------|------------------------|-----|-----|-------|-------|-------|-------|
| | 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

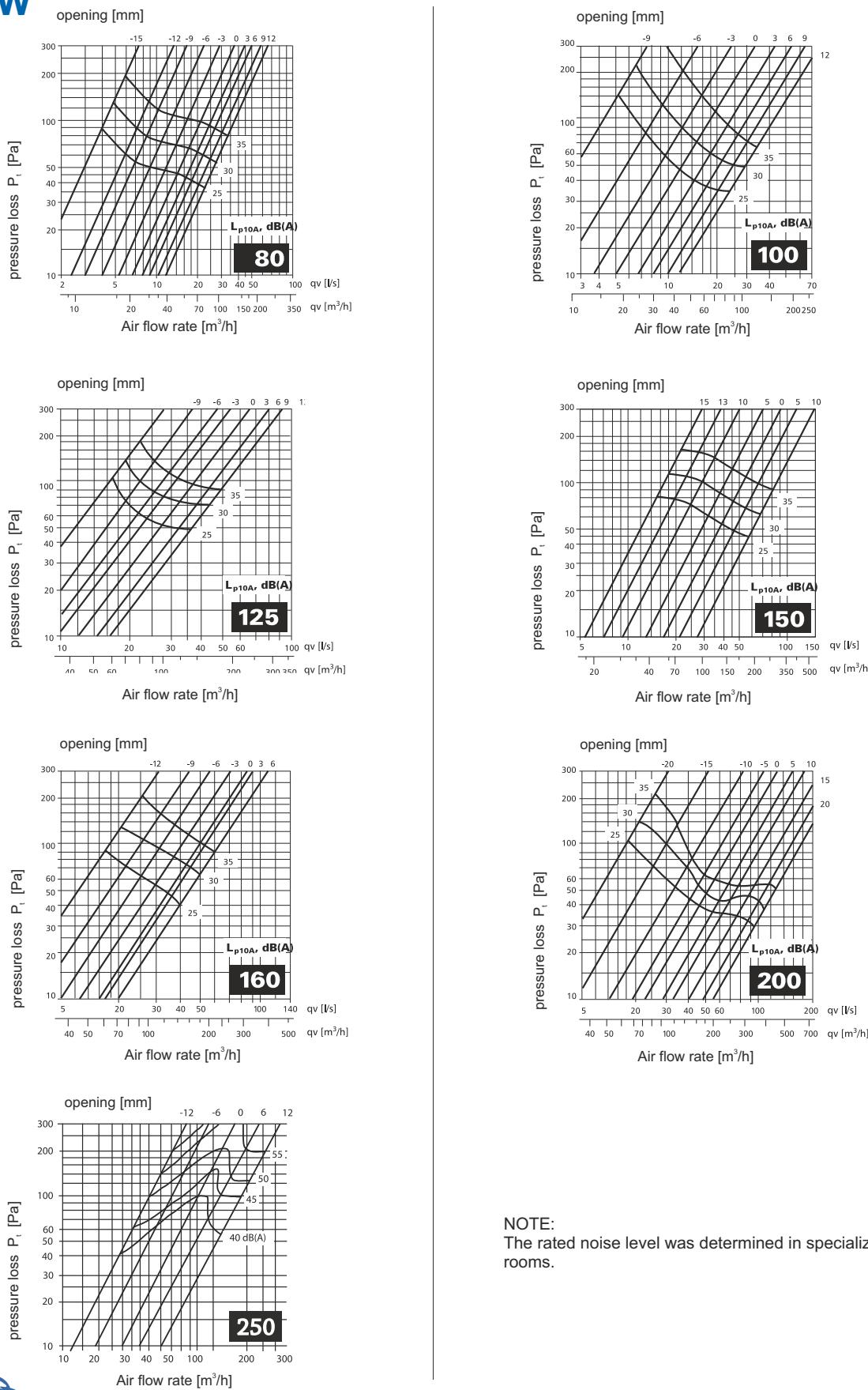
| Size [mm] | Average frequency [Hz] | | | | | | |
|--------------|------------------------|-----|-----|-----|-------|-------|-------|
| | 63 | 125 | 250 | 500 | 1.000 | 2.000 | 4.000 |
| 80 | 24 | 18 | 14 | 9 | 7 | 7 | 7 |
| 100 | 22 | 16 | 11 | 7 | 5 | 5 | 5 |
| 125 | 21 | 14 | 9 | 7 | 4 | 4 | 6 |
| 150 | 14 | 13 | 8 | 5 | 4 | 4 | 7 |
| 160 | 17 | 10 | 6 | 4 | 3 | 4 | 8 |
| 200 | 15 | 8 | 5 | 3 | 2 | 3 | 6 |
| tolerance | 6 | 3 | 2 | 2 | 2 | 2 | 3 |

Design your environment



Selection chart

RKW



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



Design your environment

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;

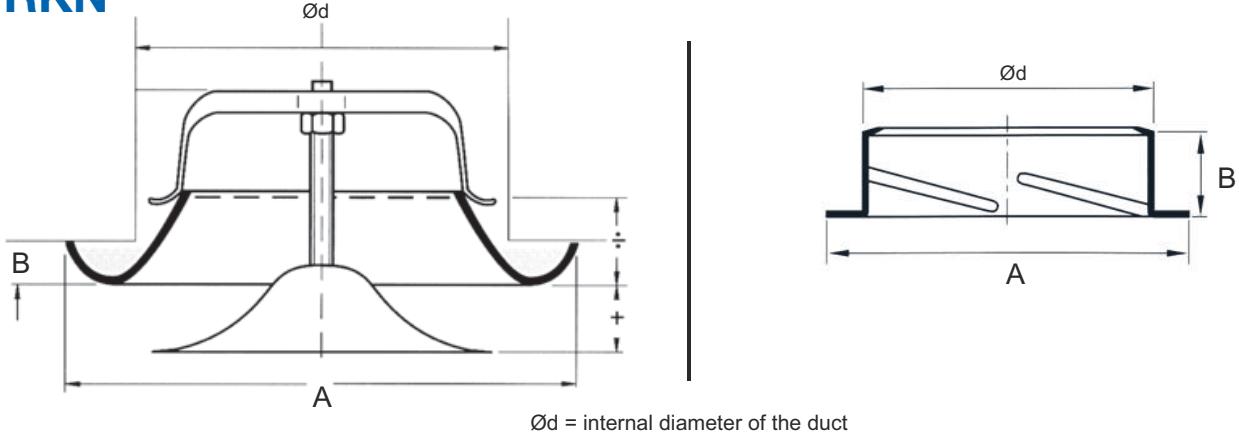
Color: RAL ####;

Connection sizes: mm;

Type: RITECH RKN ##.

Sizes and performances

RKN



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

Engineering tolerance ±2mm

Size of RKN valve

| Ød [mm] | A [mm] | B [mm] | weight [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 [mm] | A [mm] | B [mm] | weight [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 [mm] | Average frequency [Hz] | | | | | | |
|--------------|------------------------|-----|-----|-------|-------|-------|-------|
| | 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 |

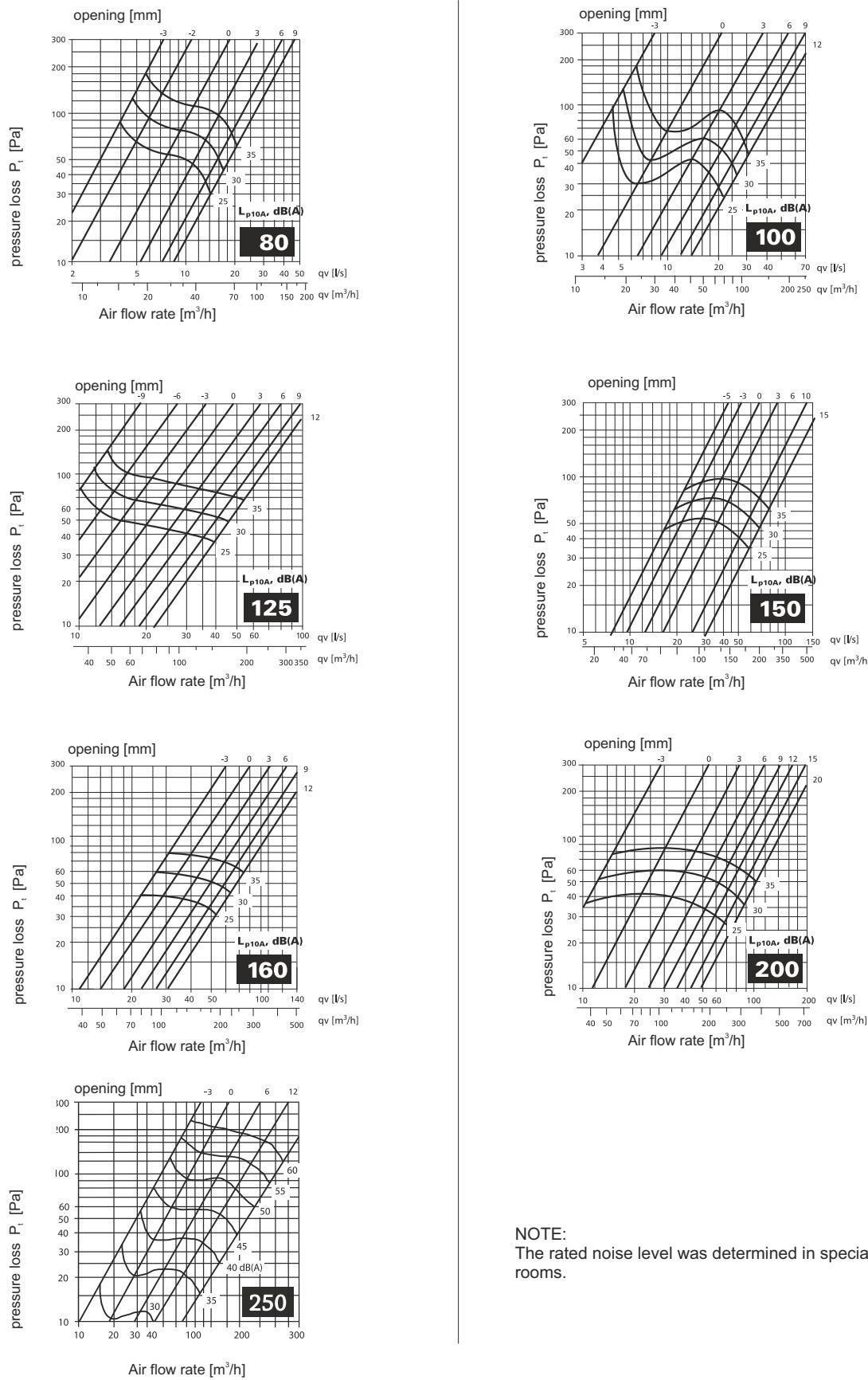
Sound attenuation

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



Selection chart

RKN



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

Design your environment





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