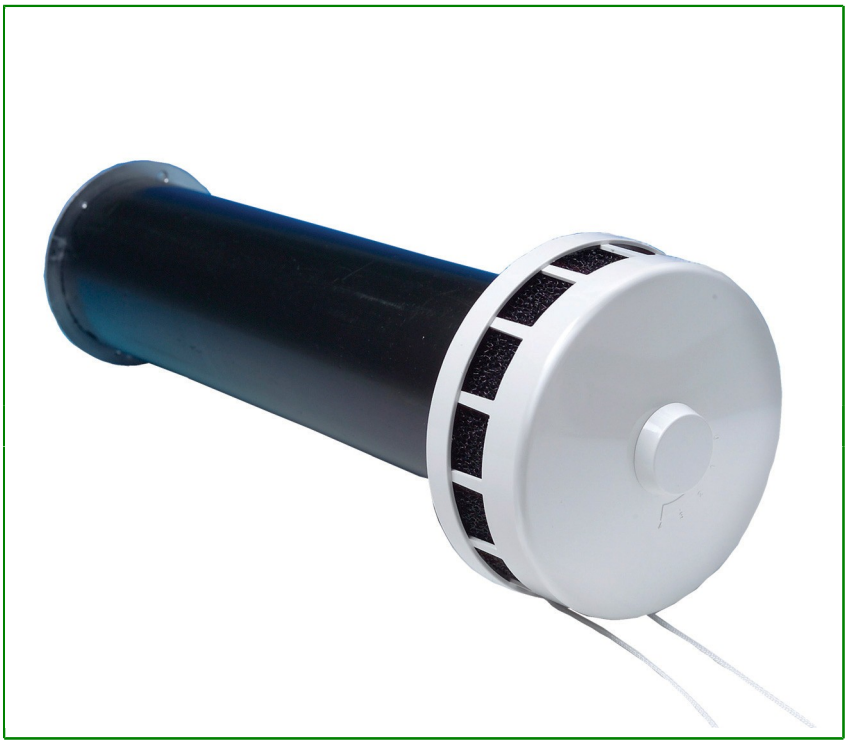
Compensation air valve KIV



Compensation air valve KIV is designed for fresh air intake in exhaust ventilation systems.
Above a radiator, KIV is capable of a draught-free air supply of 8 l/s at a pressure differential of 10 Pa when the outdoor temperature is -20°C.
The volume flow can be steplessly controlled using the adjusting knob or rope.

Product Facts

- wall mounting
- stepless volume flow control
- thermally insulated disc
- efficient sound attenuator (size Ø125)
- washable filter
- smooth air distribution
- available sizes Ø100 and Ø125

Product code example

Compensation air valve KIV-100

KIV

Use

Compensation air valve KIV is designed for fresh air intake in exhaust ventilation systems.

Above a radiator, KIV is capable of a draught-free air supply of 8 l/s at a pressure differential of 10 Pa when the outdoor temperature is -20°C.

The volume flow can be steplessly controlled using the adjusting knob or rope.

Features

- wall mounting
- stepless volume flow control
- thermally insulated disc
- efficient sound attenuator (size Ø125)
- washable filter
- smooth air distribution
- the plugs in the regulation unit can be removed to prevent the valve from closing completely
- due to its sturdy construction, the inlet duct can be put in place when the wall unit is cast
- available sizes Ø100 and Ø125

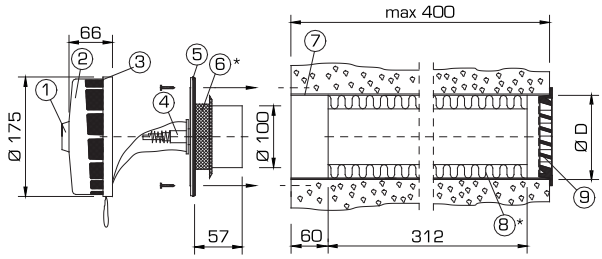
Installation

KIV is fitted above the window or to equivalent height on the wall. Suitable thickness of the wall is 80-400 mm. The inlet duct can be shortened when needed.

Instructions

Instructions for installation, adjustment and maintenance are described in detail in our technical instructions are also available on the internet at www.flaktwoods.com.

Constructions and dimensions



Size	Ø D(outer)	Ø D(inner)
KIV - 100	112	103
KIV - 125	133	125

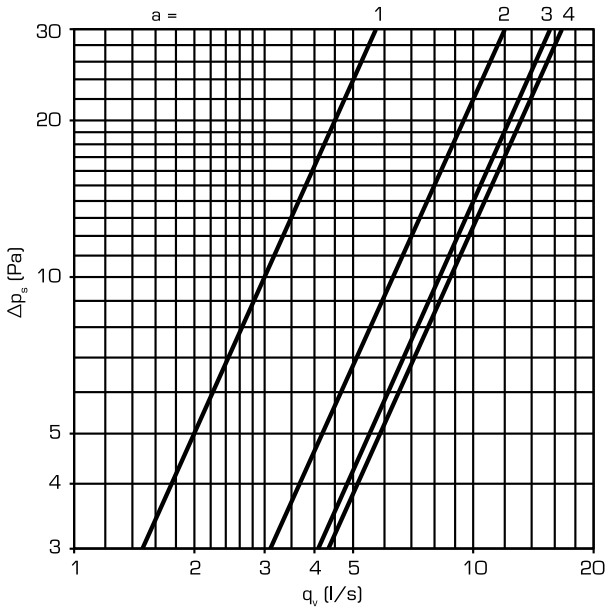
*) Only with size Ø 125

1. Adjusting knob ABS-plastic
2. Cover ABS-plastic, thermally insulated
3. Filter PPI-15
4. Regulation unit ABS-plastic and polyamide
5. Body ABS-plastic
6. Gasket thermoplast-rubber (size Ø125)
7. Inlet duct PEH-plastic
8. Sound attenuator, mineral wool (size Ø125)
9. Outer grille USAV, moulded aluminium, equipped with insect screen

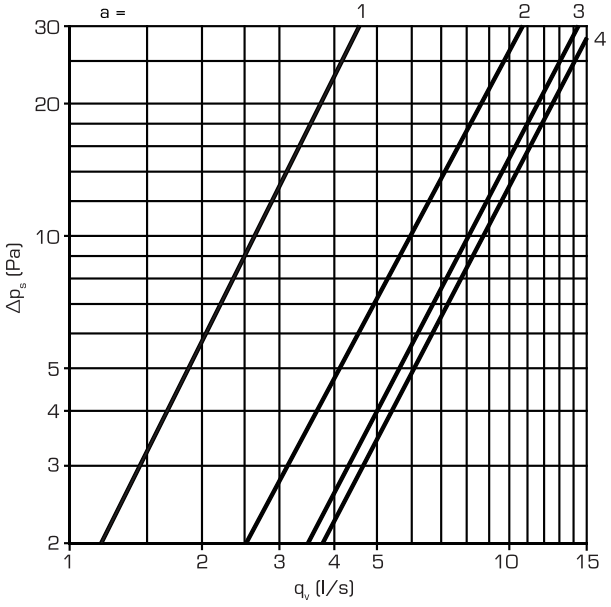
Plastic parts are white.

Selection diagrams

KIV-100



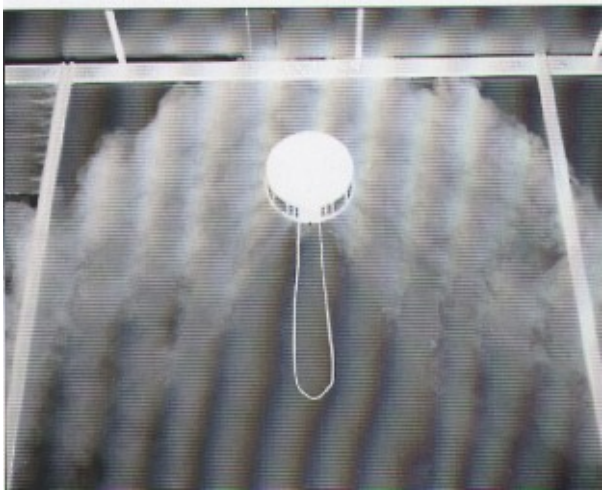
KIV-125



Measured sound reduction against traffic noise is 26 dB and against aircraft or train 30 dB.

Definitions

q_v	volume flow	(l/s)
Δp_s	static pressure drop	(Pa)
a	adjustment	-



Flow pattern by 8 l/s volume flow at temperature differential -30° between room and outdoor temperature.

Product code

Compensation air valve
KIV - aaa
Size (aaa)
100,125

Accessories

Filter
KIVZ - 3

Inlet duct Ø100 (1 m)
KIVZ - 6

Inlet duct Ø125 (1 m)
KIVZ - 7

Sound attenuator Ø125
KIVZ - 8

Grille part Ø125
KIVZ - 9

Valve part Ø100
KIVZ - 10

External sound attenuator Ø125
KIVZ - 11

Valve part Ø125
KIVZ - 12

Gasket
KIVZ - 13

Condensation slip
KIVZ - 14

Adjusting knob
KIVZ - 15