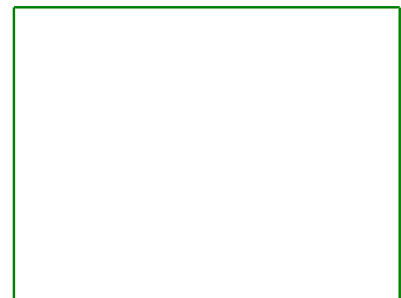
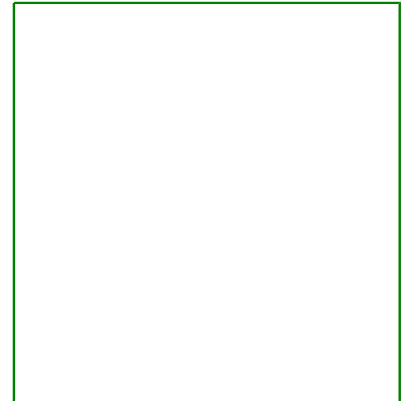


## Compensation air valve KIV



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

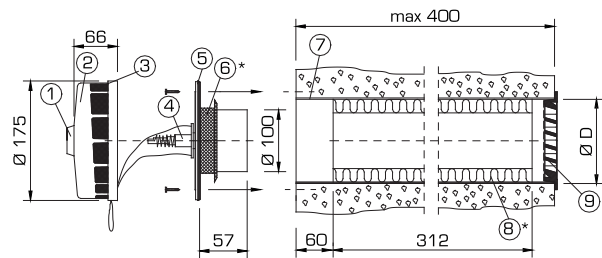
## Installation

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](http://www.flaktwoods.com).

## Constructions and dimensions



Size	Ø D[outer]	Ø D[inner]
KIV - 100	112	103
KIV - 125	133	125

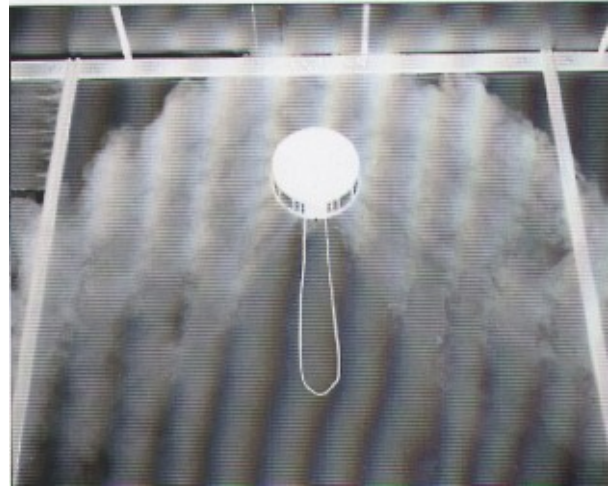
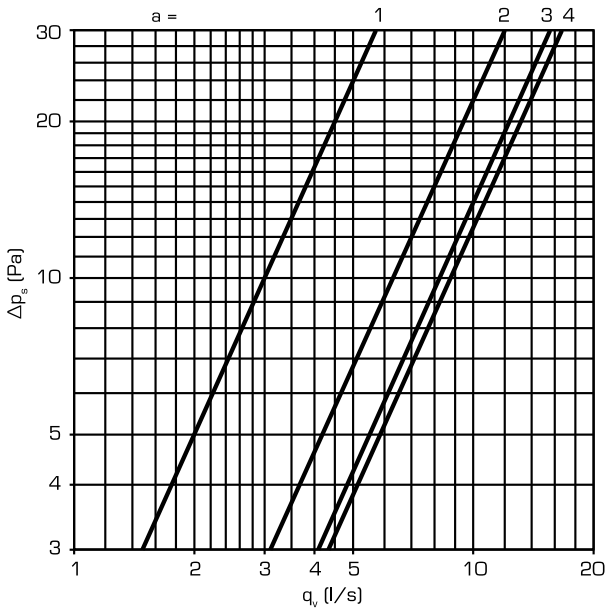
\*) Only with size Ø 125

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



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**

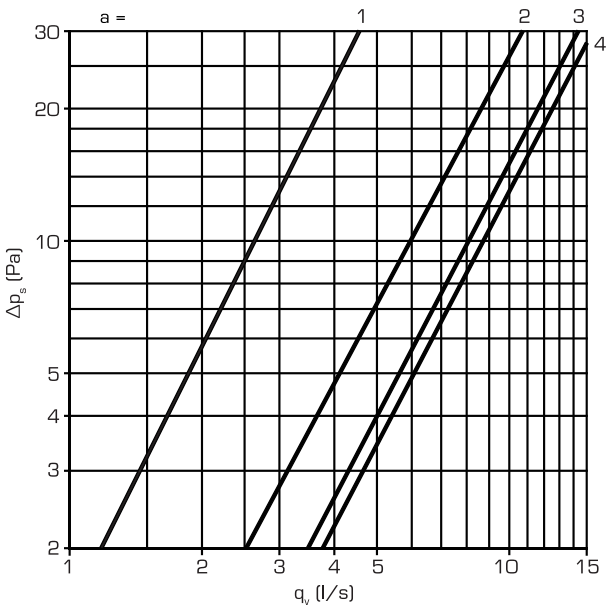
**Condensation slip**

**KIVZ - 14**

**Adjusting knob**

**KIVZ - 15**

## 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]
$\Delta p_s$	static pressure drop	[Pa]
a	adjustment	-