

Easy-Vent® Flexi-G

Air terminal device for mounting behind existing radiators

- › Quiet and comfortable ventilation in older residential buildings
- › For buildings with mechanical exhaust air or natural draft systems
- › The hole for air intake is made above the radiator or via an existing slot (trickle vent)
- › Easy and quick installation without removing the window sill or radiator
- › Effective noise reduction from surrounding environments



Description

Outdoor air is led through a facade grille and intake duct into the air terminal device mounted on the wall behind the radiator. At the inlet of the unit, a filter prevents pollen and pollutants from entering the room with the fresh air. The filtered air flows into the air terminal device and is then directed upward along the back of the radiator. In contact with the warm radiator surface, the air is efficiently preheated before being released at the top of the radiator. Comfortable and silent.

Easy-Vent is based on natural physical principles. The design of the air terminal device creates forced convection along the radiator surface. Combined with the large temperature difference between the radiator and the outdoor air, this results in highly efficient heat transfer.

Quiet residential environments

Many tenants are disturbed by traffic noise in their homes. An installation with Flexi-G significantly reduces noise compared to traditional slot vents or trickle vents.

In areas with very heavy traffic and high noise levels, sound-attenuating ducts may be required. The product range includes several models designed for different types of wall constructions.

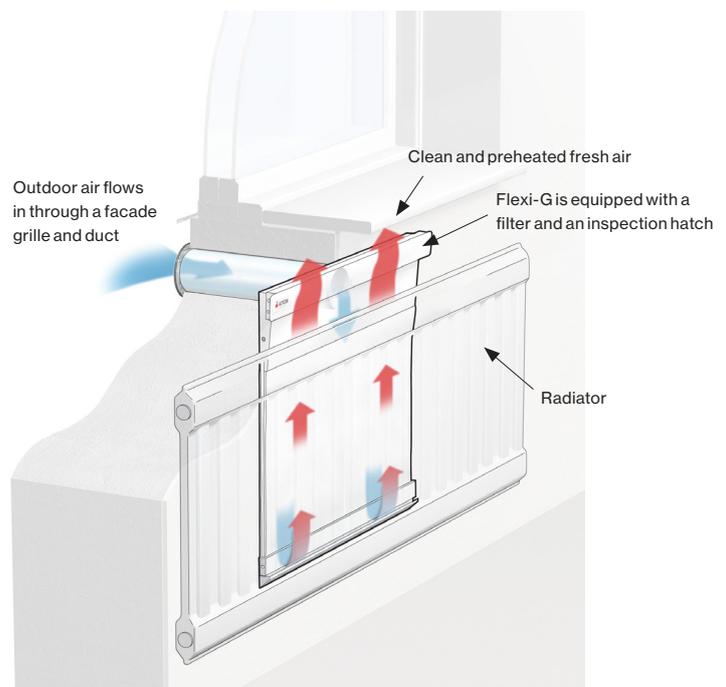
Product information

Flexi-G is manufactured from hot-dip galvanized steel sheet and is powder-coated in white color RAL 9010. The center section is made of synthetic airtight textile material.

The product is developed for our tough climate conditions and is manufactured in Sweden.



Flexi-G consists of sheet metal and textile material – a unique combination of stability and flexibility.



The clean and preheated fresh air flows into the room at the top of the radiator. Comfortable and silent. The apartments "old" stale air is extracted through the kitchen hood and vents in the WC/bathroom.

Multiple versions

Flexi-G is available in several versions. The models presented below are used when the facade wall is vertical and the air intake is to be positioned above the radiator.

If the facade wall is angled, Flexi-SV or Flexi-SVK are more suitable (see separate product data sheet).

Air intake above radiator, vertical wall

Depending on the radiator bracket configuration, one of the following versions is used: Flexi-G, Flexi-MK, Flexi-G small, or Flexi-G with T-duct.

A pre-requisite for being able to use the Flexi-G is that the distance between the top of the radiator and the window sill is at least 60 mm.

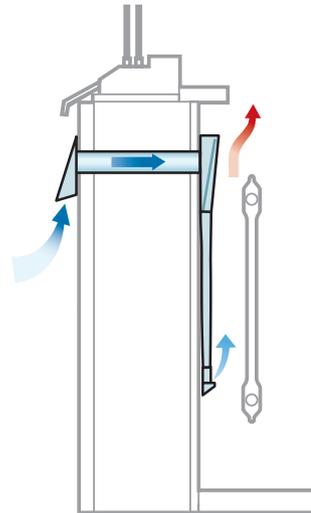
Installation

Flexi-G: A hole is made (1 × Ø85 mm or 2 × Ø51–55 mm) in the facade wall above the radiator. Ducts and facade grille are installed. The flexible Flexi-G unit is easily inserted behind the radiator and secured with two screws at the top.

Flexi-G can also be installed over an existing trickle vent positioned below the window sill. Remove the front cover of the slot vent. Insert Flexi behind the radiator and secure with two screws above the trickle vent.

Flexi-MK: Used if the radiator is mounted on a center bracket.

Flexi-G small and Flexi-G with T-duct: Used if the distance between the brackets is very short.



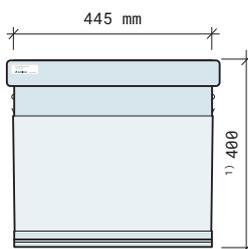
Installation with air supply unit Flexi-G, duct 2x PR 50 and facade grille VS-2

Dimensions and versions

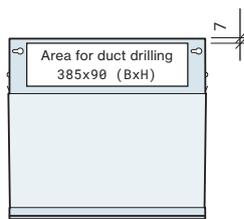
See figures below. All the figures below show the air terminal device with the side facing the radiator.

The inspection hatch at the top of the unit is 30 mm wider than the air terminal device.

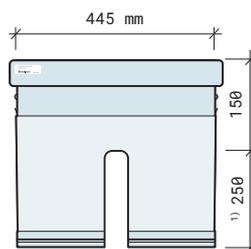
Flexi-G



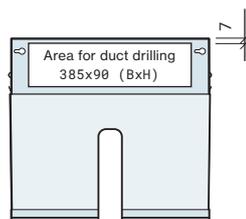
For a radiator with a height of 300 mm dimension ¹⁾ is 300



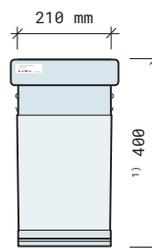
Flexi-G-MK



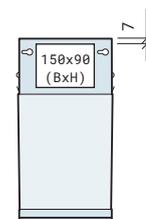
For a radiator with a height of 300 mm dimension ¹⁾ is 150



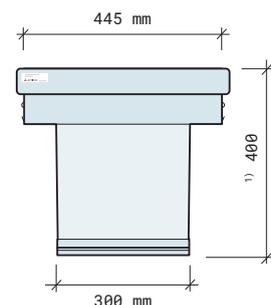
Flexi-G small



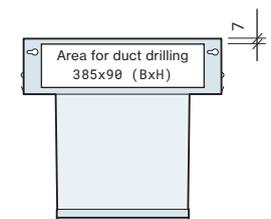
For a radiator with a height of 300 mm dimension ¹⁾ is 300



Flexi-G with T-duct



For a radiator with a height of 300 mm dimension ¹⁾ is 300



Sound Attenuating Flexi-G

The tables below show the sound reduction coefficient for a complete installation consisting of Easy-Vent ROT model Flexi, duct, facade grille, and radiator. The sound reduction index $D_{n,e,w}$ ref. 10 m^2 is measured according to ISO 140-10 and SS-EN ISO 717. Contact Acticon for information on current adaptation terms.

Circular duct with facade grille

Model Flexi

$D_{n,e,w}$	Duct	Facade grille	Stud framed wall with mineral wool	Concrete
54	CV 80	VS-1-dB	X	
52	CV 80	KC 80, RC 80, VS-1	X	
49	CI 80	VS-1-dB	X	X
47	CI 80	KC 80, RC 80, VS-1	X	X
42	2 st PR 50	VS-2-dB	X	X
41	CS 80	VS-1-dB	X	X
40	2 st PR 50	VS-2	X	X
39	CS 80	KC 80, RC 80, VS-1	X	X

Airflow

The table shows the supplied airflow at pressure drops of 10 Pa and 15 Pa. The values apply to a complete installation consisting of Flexi with standard filter, duct, and facade grille.

Air supply unit model	Airflow l/s at 10 Pa	Airflow l/s at 15 Pa
Flexi-G, Flexi-G-MK	7	8
Flexi-G-T	6	7
Flexi-G-S	4	5

Closeable damper

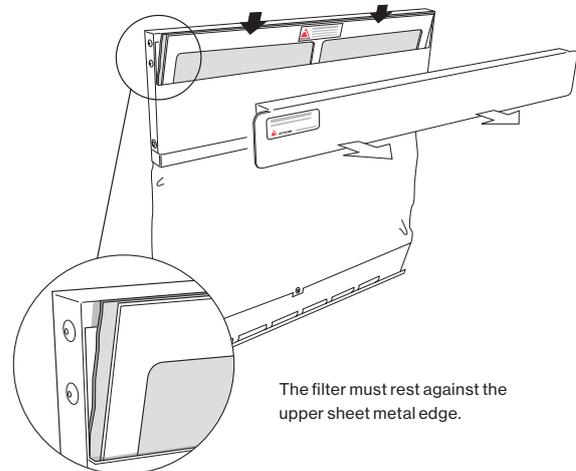
All versions of Flexi-G can be supplied with a damper that can be set to open or closed position.

Please note that the filter must be removed from the air terminal device in order to close the damper. This is a safety measure to prevent the damper from being closed unintentionally.

Filter

As standard, the air terminal device are delivered with an efficient basic filter made of synthetic fibers. When replacing the filter, the inspection hatch is easily opened and the filter is replaced.

The filter must rest against the upper sheet metal edge.



Accessories

A wide range of accessories is available for all versions of the Flexi-G air terminal device, as listed below.

Circular duct

Circular ducts are always used together with a facade grille.



CS-F 80

Plain sheet metal
Diameter: Ø80 mm
Core drilling: Ø85 mm



CV-F 80

Sound-attenuating duct for stud framed wall
Diameter: Ø80 mm
Core drilling: Ø85 mm



CI-F 80

Sound-attenuating duct for concrete wall
Diameter: Ø80/120 mm
Core drilling: Ø125 + Ø85 mm



PR 50

Plastic duct
For limited drilling space, two PR 50 ducts are used
Diameter: Ø50 mm
Core drilling: Ø51-55 mm

Facade grille

Our facade grilles are made of Aluzinc sheet metal and are fitted with small-animal-proof wire mesh. All grilles can be powder-coated in any color. The range also includes sound-attenuating grilles.



KC 80

External dimension: 140x140 mm (BxH)
Fits ducts CS, CV och CI



RC 80

External dimension: Ø140 mm
Fits ducts CS, CV och CI



Weather protection VS-1

External dimension: 165x150 mm (BxH)
Fits ducts CS, CV och CI



Weather protection VS-2

External dimension: 300x80 mm (BxH)
Fits 2 × PR 50 ducts



Weather protection VS-1-dB

Sound-attenuating grille
External dimension: 200x150 mm (BxH)
Fits ducts CS, CV och CI



Weather protection VS-2-dB

Sound-attenuating grille
External dimension: 300x100 mm (BxH)
Fits 2 × PR 50 ducts