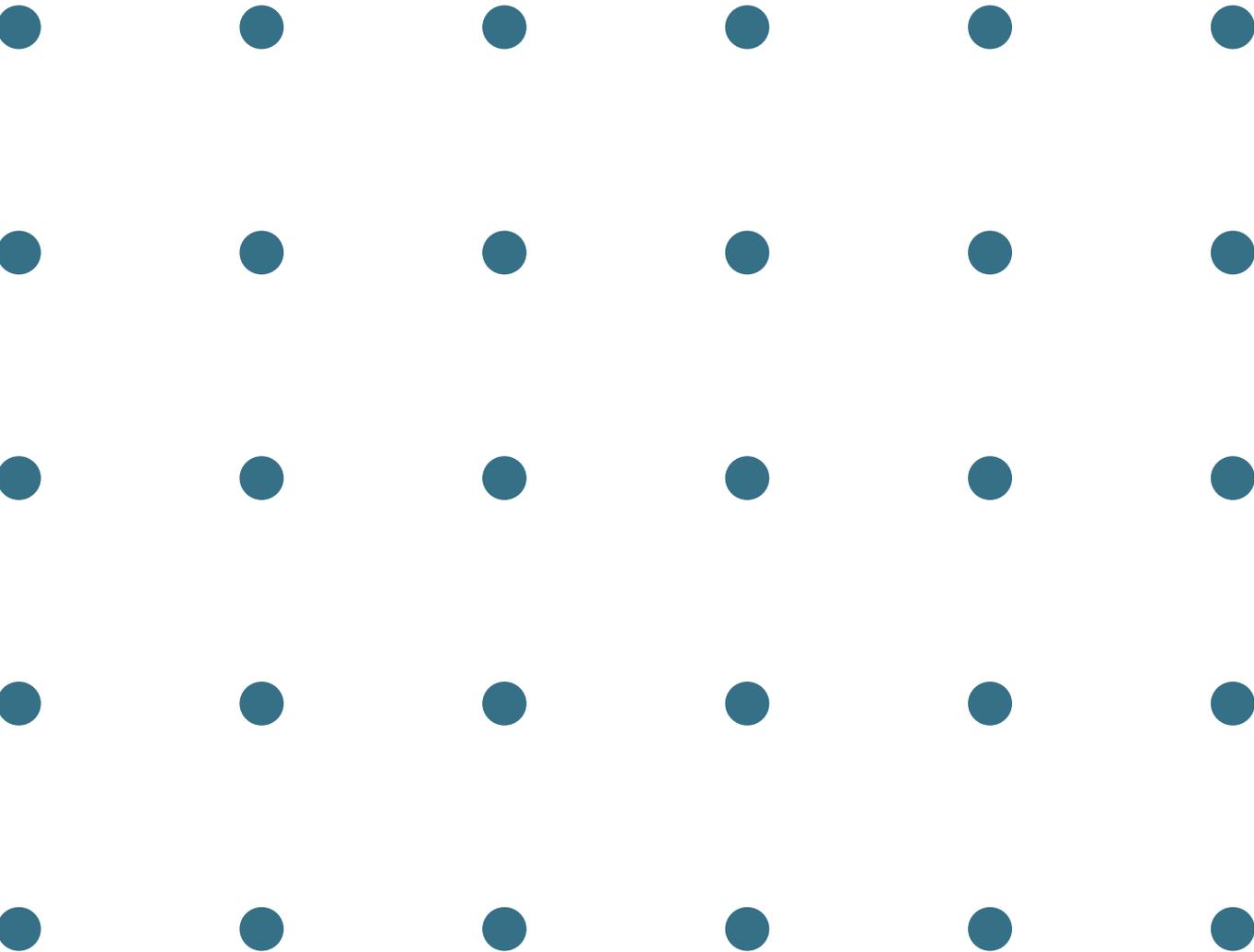


Flexi-Stål

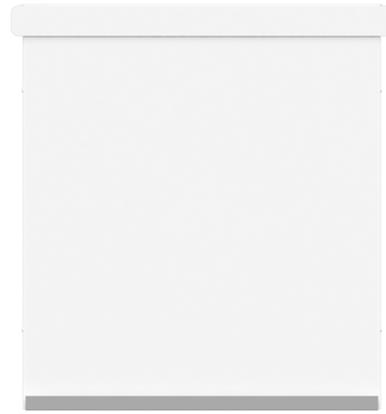
Installation and Maintenance



Flexi-Stål

Best assembled during window replacement.

- › Simple and quick installation without the need to remove the radiator.
- › Quiet and comfortable ventilation in older homes.
- › For drilling into the exterior wall above the radiator, a minimum free space of 60 mm between the window sill and radiator is required.
- › To accommodate the air vent, a minimum distance of 25 mm between the radiator and wall is needed.

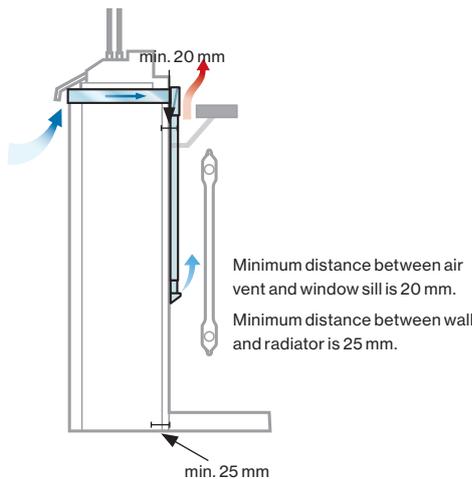


Three Variants

Variant 1 - For installation during window replacement

In this configuration for window replacement, a rectangular duct is installed under the window.

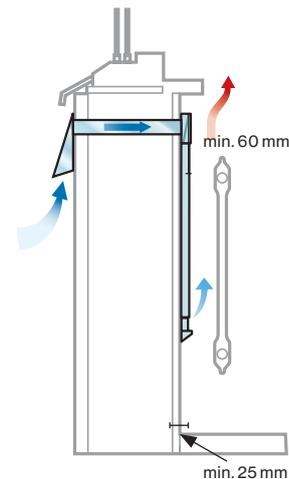
- › The duct inlet is concealed outside under the window sill.
- › Flexi-Stål is guided down behind the radiator and fixed directly to the duct flange inside with 2 screws into the back of the air vent



Variant 2 - For installation with circular duct

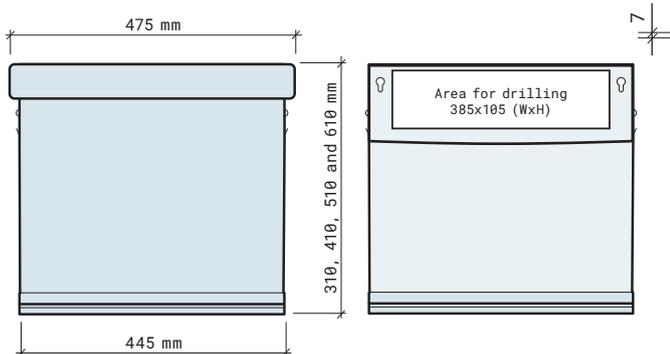
In this setup, holes are drilled in the exterior wall above the radiator. Depending on space, either an 80 mm duct or two 50 mm ducts are used.

- › Ducts and facade grille are installed before mounting the air diffuser.
- › The air diffuser is guided down behind the radiator and secured with two screws into the top of the air vent.

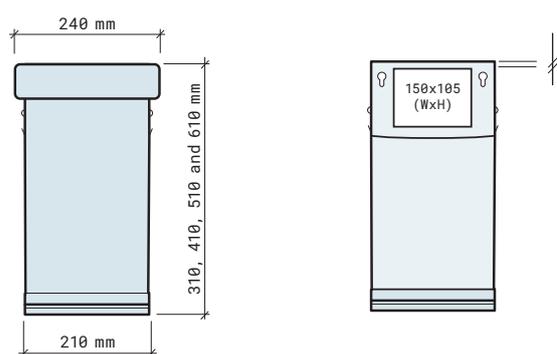


Dimensions for Variant 2

Air diffuser Flexi-Stål



Air diffuser Flexi-Stål small



Variant 3 - For installation against existing gap valve

Flexi-Stål can be mounted over an existing gap valve located under the window sill.

1. Remove the front cover of the gap valve
2. Guide Flexi-Stål down behind the radiator and secure it with two screws above the gap valve.



Before ordering, ensure:

- › The distance between wall and radiator is at least 25 mm.
- › The distance between window sill and radiator brackets is greater than 445 mm (210 mm for narrow Flexi-Stål small).

Height of the new window

Note that the height of the new window decreases by 25 mm with channel RA and 35 mm with soundproofing channel RB.

Installation during window replacement for Flexi Stål FB



1. Remove the existing window and clean the window opening.



2. Place the duct in position with shimming underneath. Ensure the duct is positioned higher than the window sill brackets. Screw the duct to the interior wall with 3 screws. Use flat-head screws so the trim can seal completely against the air diffuser.



3. Construct the jamb with studs and shimming.



4. Install window, jamb and lining strips. Leave approximately 3 mm space between the duct and lining to allow for mounting the filter hatch.

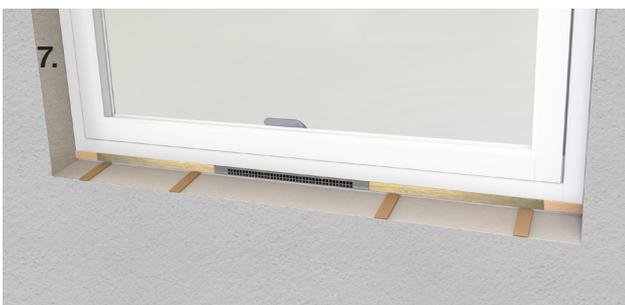


5. Remove the air diffuser's filter hatch. Mount the diffuser with the two screws on the duct. Tighten screws to seal the trim between the diffuser and air duct. Insert the air filter into the diffuser. The lower part of the air duct should be at least 30 cm below the top of the radiator



6. Attach the filter hatch to the air diffuser. Install the window sill, and the internal assembly is complete.

Note: Minimum distance between air vent and window sill is 20 mm.

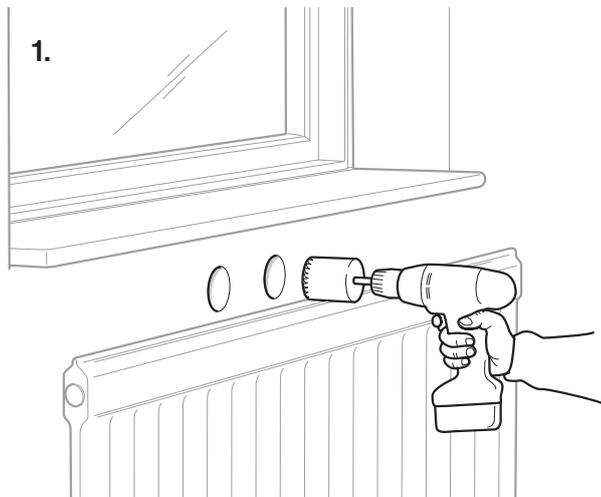


7. Install the window sill so that outdoor air can flow in and be directed through the duct. If necessary, supplement the installation with spacers and/or mounting brackets.

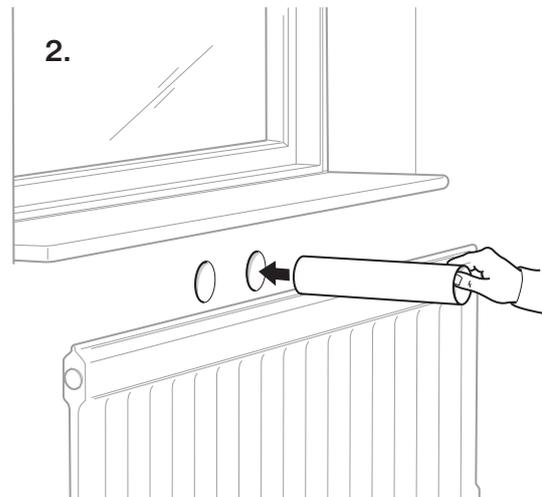


8. Finally, install window sills and external trim plates.

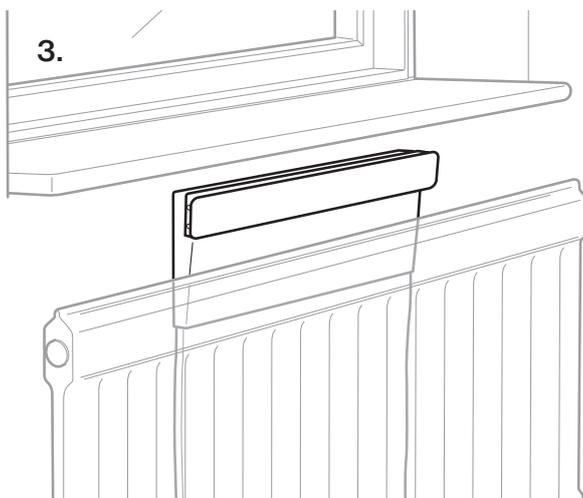
Installation with circular duct



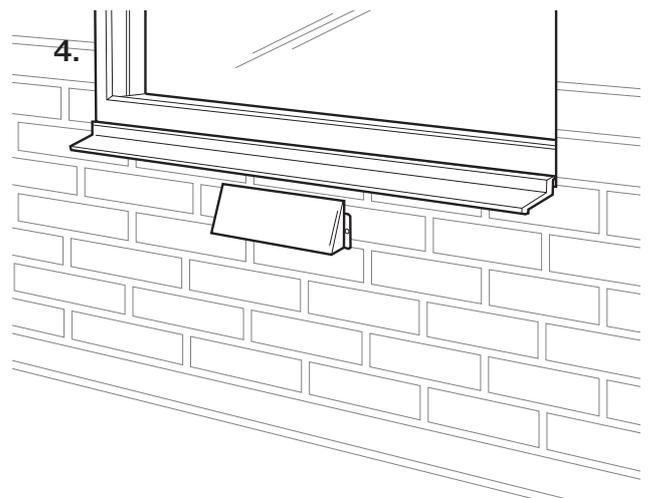
Drill 1 or 2 holes, depending on the type of duct, in the wall above the radiator. See hole sizes below for each duct.
Position the holes so that the facade grille covers them on the outside of the facade.



Insert the duct into the hole.
Seal around the duct to ensure air tight between the duct and the hole/wall.



Install the air vent.



Install facade grille, if necessary, seal with suitable sealant around the grille.

Duct CS-F 80

Drill hole: 1 piece, Ø85 mm.



Duct CV-F 80

Drill hole: 1 piece, Ø85 mm.



Duct CI-F 80/120

Drill hole: 1 piece, Ø125 mm from inside and Ø85 mm through the outer part of the facade.



Duct PR 50

Drill hole: 2 piece, Ø51-55 mm.



Adjustment and Maintenance

Adjustment

Flexi-Stål does not require adjustment. At the given size and pressure drop, the air diffuser provides a constant airflow. It is good/recommended if the heating system's circulation pump is interlocked with the exhaust fan. This prevents cold outdoor air from flowing over the radiator in the event of pump failure. Use thermostat valves that cannot be turned down beyond frost protection

Closable damper

Flexi-Stål can be supplied with a damper, which can be set to open or closed position.

Cleaning

The Flexi-Stål air diffuser can be wiped clean with a damp cloth if needed. Besides regular filter changes, no additional cleaning is typically required.

Proper function with original filter

Always use original filters from Acticon AB. This ensures your air duct functions as intended. Correct air volume, no leakage, proper filtration, and air temperature. If a different filter is used, we do not guarantee the technical data used for the ventilation system design.

The quality of an air filter cannot be judged by eye alone – it must always be tested in a laboratory. This applies even when used with the air diffuser, ensuring an incorrect filter does not hinder basic ventilation functions.

Filter hatch

Ensure the filter hatch, located at the top front of the air vent, is correctly positioned and securely attached.

To attach the hatch:

Check that the hatch is facing the correct direction (the label should be upright). Press firmly on the front of the hatch to secure it.

