

Fresh air system product information

Whoever has prejudices against fireplaces in MINERGIE® buildings has not yet experienced the ATTIKA Air System.

The AIR system channels outdoor air in a controlled fashion to the combustion area and has been especially designed for use in very compact living rooms. AIR+ ensures that the fireplace functions properly, even when there is a negative pressure up to 4 Pa in the living room. AIR and AIR+ are optionally available for numerous ATTIKA fireplaces.



The AIR system channels outdoor air in a controlled fashion to the combustion area and has been especially designed for use in close confined living rooms (low-energy or Minergie houses).

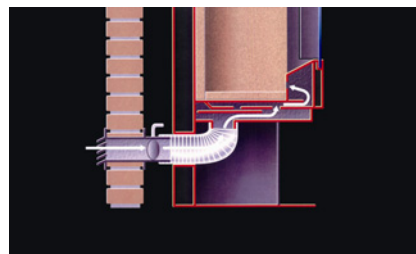


The AIR+ system channels outdoor air in a controlled fashion to the combustion area and has been especially designed for use in houses equipped with a residential ventilation system. The negative pressure in the living room must not exceed 4 Pa.

The air intake can be concealed by installing it through the floor or can be installed through the rear wall. The connection height is at the 120 mm mark, starting from the floor and measuring up to the middle of the pipe (this does not apply to Pilar 175 mm and Taiko 78 mm). The pipe diameter is 100 mm for lengths of maximum 4 meters with two 90° angles.



Intake through the floor

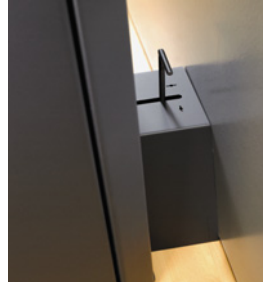


Intake through the rear wall

If the intake is connected through the rear wall, we strongly recommend using the practical installation set for a professional and aesthetically pleasing solution. The intake consists of a flexible aluminium tubing with tubing clips, a cover for the wood storage compartment, a connecting piece with an airtight flap and an operating lever for wall installation and a duct covering. The airtight flap is vital, since without it, cold outside air can constantly enter the unit and cool off the stove as well as pose a risk of condensation build up. The flap in the connecting piece and the damper handle on the stove remain closed when the fireplace is not in use.



Installations set contents



Duct covering with operating lever

For compact buildings as well as regulated residential ventilation systems, we recommend informing the architect and the heating, ventilation and air conditioning planner about the necessity of an AIR connection. Unfortunately, several architects and planners do not sufficiently assume their responsibility concerning this matter. Of course, some problems may arise with the fireplace. In addition, there are two different philosophies concerning ventilation. Some planners intentionally produce negative pressure ventilation systems so that the low-quality air is extracted. Based on the air quantity, the preferred approach is to supply approximately 33 percent more air rather than extracting it. This method also improves the living environment, since permanent negative pressure can cause headaches.

The GEO, for example, is extremely well-suited for MINERGIE® buildings. Not only was GEO repeatedly awarded for its simple design, but it also provides convincing results with its 350 kg soapstone thermal storage capacity that supplies heat for over 15 hours.



GEO wood-burning fireplace

