

**THE AIR
IS FRESH
AND CLEAN
VENTILATORS
FOR THE
BASEMENT**



BRING FRESH AIR INTO YOUR BASEMENT

WITH MEA LÜFTAIR VENTILATION SYSTEMS FOR WALLS OR WINDOWS



SYSTEMATIC VENTILATION

In many households, the basement is literally nothing more than a shadowy place to store technical and hobby equipment. Well-balanced ventilation is frequently neglected, although, particularly in basements, appropriate air circulation is a key factor. Incorrectly or insufficiently ventilated basement rooms can have a negative impact on the entire house, as stale air rises up from the basement into your living space, causing unwanted dampness – and damp rooms are far more difficult to heat. It can often result in mould or mildew forming. The best way to avoid these unwelcome problems is through proper ventilation.

A good climate 24 hours a day

Just set and forget: the MEA LüftAir ventilation solution brings freshness into your basement and ensures an ideal ambient climate – fully automatically and at any time, day or night.

The comprehensive carefree system from MEA, your full-range supplier

MEA LüftAir ideally supplements our range of basement system solutions. We offer you two versions, depending on your needs: the MEA LüftAir window is directly integrated in a MEA casement or plastic window and automatically ventilates the room for as long as necessary, depending on the humidity level. MEA LüftAir for walls is specially designed to additionally recover heat and also ensures continual ventilation. The system can be integrated in the wall via a pipe opening.



MEA LüftAir for walls



MEALON plastic window
with MEA LüftAir



MEALUXIT window unit
with MEA LüftAir

MEA LÜFTAIR FOR WALLS

THE VENTILATOR WITH THE DEEP BREATH

The LüftAir permanent ventilator for walls is the solution of choice if heat recovery is a major issue in your basement. It can easily be retrofitted in existing buildings. The solution for existing buildings can be installed in the outer wall by core drilling. Depending on the air humidity and utilisation of the room, the degree of ventilation can be adjusted in four levels via a separate control unit.

Fresh air in both summer and winter

LüftAir for walls is equipped with sophisticated technology. A highly efficient ceramic element and a reversing air control system promote maximum heat recovery. The ventilator is driven by EC motor (DC motor with permanent magnet). A controlled

change of direction of the ventilator generates a so-called reversing air current that heats the ceramic element. The thermal energy in the exhaust air is thereby stored in the ceramic element and the fresh air is warmed up to room temperature as it flows in through the heat accumulator.

The advantage is that in winter up to 90 per cent of the heating energy can be recovered via the permanent ventilation system. At hot summer temperatures, the solution works the other way around. The exhaust air coming from the basement cools the ceramic element. The incoming air then drops to room temperature – and the warm summer humidity is effectively kept out of your basement.

**Interior cover with
additional filter
element protects
from dirt**



KG 2000 pipe: the stable casing for MEA LüftAir for walls



Outside cover reliably protects from dirt and small animals



Ceramic element with heat recovery feature: radiates heat into the fresh air

Low consumption guaranteed

The highly efficient EC motors guarantee low electricity consumption. A calculation example: a MEA LüftAir wall ventilator running at low speed consumes 0.55 W per hour, which amounts to 4.8 kWh per year – around €1.40. In comparison: a refrigerator consumes around 1.6 kWh per day – around €163.50 per year.



MEA LüftAir for walls AQUA accessory set

MEA LüftAir for walls is also available with a watertight AQUA accessory set. The channel for inflowing and outflowing air can be installed watertight and above ground level using an intake snorkel.

Advantages:

- ✓ Can be integrated in both new and existing buildings
- ✓ Easy-to-install, plug-and-play solution, no expert help needed
- ✓ Simple connection via standard power cable (230 V)
- ✓ Permanently good ambient climate
- ✓ With insect protection grille
- ✓ Low noise emissions: maximum 26 dB at top speed, well within DIN standards for living rooms and bedrooms
- ✓ Control unit in separate, wall-mounted box is easy to operate



MEALUXIT casement window with
MEA LüftAir (outside view)



MEALON plastic window with
MEA LüftAir (outside view)

Integrated wind protection

MEA LÜFTAIR WINDOWS FRESHNESS AT THE TOUCH OF A BUTTON

MEA doesn't just offer you individual products, but perfectly coordinated system solutions that combine effectiveness with economy. MEA LüftAir for windows has both of these characteristics: the ventilation system is suitable for needs-related, intensive ventilation and can be directly integrated in MEALUXIT casement windows and MEALON plastic windows alike. The solution saves space and there is no need to penetrate or drill into the wall.

With the window solution you can program predetermined ventilation times. Depending on the air humidity level in the room, the integrated moisture regulator controls the two-speed

ventilator accordingly. For example, if the air humidity rises to between 60 and 80 per cent, the ventilator starts at the lower speed. If the humidity rises to between 80 and 100 per cent, in the laundry for example, the ventilator automatically begins rotating at the higher speed.

Two versions, lots of advantages

MEA LüftAir windows are available in two versions: for MEALUXIT casement windows and for MEALON plastic windows. If you already have MEALUXIT frames, it is easy to retrofit them with replacement leaves with the ventilator already installed.

Advantages:

- ✓ Suitable for both new and existing buildings
- ✓ Easy-to-install, plug-and-play solution, no expert help needed
- ✓ Simple connection via standard power cable (230 V)
- ✓ Permanently good ambient climate
- ✓ Greater energy-saving potential than with continuous manual ventilation
- ✓ Window function is not affected
- ✓ Includes outdoor wind protection
- ✓ With insect protection grille
- ✓ Available in standard sizes
100 cm x 60 cm, 100 cm x 80 cm,
100 cm x 100 cm

Optimal ventilation without opening the window

MEALUXIT casement window with MEA LüftAir (inside view)

Automatic ventilation without loss of daylight

MEALON plastic window with MEA LüftAir (inside view)

MEA services

Whatever project you are planning, our consultants at MEA Bausysteme are never far away if you need assistance. Our extensive network of building materials suppliers always have our products on stock and are ready to deliver at short notice.

You can find your own individual contact online on our contact page at:

www.mea-group.de/bauprodukte





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