

COMPAIR® BIXO

The energy-efficient supply and exhaust air system with passive house certification



BIXO is a motor-driven supply and exhaust air system that is independent of the extractor hood. **BIXO** leads cooking vapours to the outside air and at the same time regulates the required supply air according to demand. For energy-efficient houses applies as well: **Exhaust air needs supply air!** This is the only way to maintain the "equilibrium" during ventilation processes.

The disadvantages of controlled domestic ventilation systems are balanced out by **BIXO**. KWL systems have become indispensable in modern buildings. Often, however, due to their low air exchange rate, they are not sufficiently suitable for the rapid and effective removal of cooking fumes. Fat, odours and moisture remain in the room for too long and affect the room climate.

BIXO was conceived as a self-sufficient system, which can also be operated parallel to the KWL appliance as a powerful, decentralized exhaust air / air supply system. The **TwisterTec system** is the central element, a technologically completely new closure system with flap-free technology and a coated textile membrane.

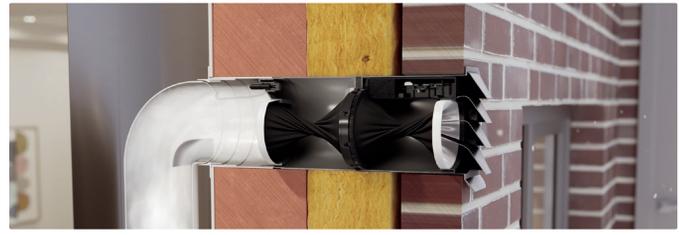
Sensors in the **BIXO Balance®** exhaust air element detect the operation of the extractor hood and release the entire opening cross-section for the volume flow conducted via the air duct. The closure is completely open even in case of low volume flows. This ensures high efficiency of the extractor hood.

The kitchen is supplied with fresh air via the automatic parallel control of the **BIXO Balance®** supply air element. When the system is closed, three heat-insulating air chambers are formed and ensure hermetic sealing of the building envelope.

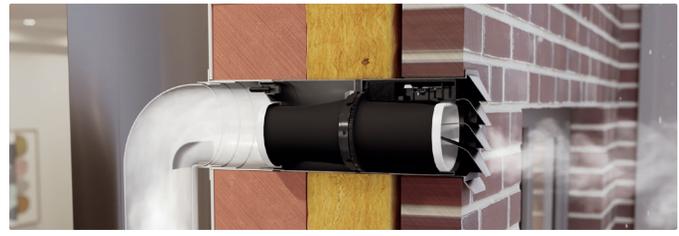
BIXO thus achieves an **excellent insulation** that no other comparable wall box system can currently boast. A U-value* of 0.8 W (m²K) is achieved.

Advantages

- suitable for energy efficiency houses
- efficient thermal insulation and hermetic sealing of the building envelope
- Blower-Door certified
- electronically regulated control, independent of the extractor hood
- high flexibility in the arrangement of the supply and exhaust air elements
- possible integration of several supply air elements with bidirectional communication between the installed elements BIXOs
- when open, cylindrical shape for optimum flow cross-section
- completely open even at low flow rates
- no rattling noises



BIXO with closed diaphragm



BIXO with open diaphragm



*for the BIXO-exhaust air wall box



See also the topic video: naber.com/bixo