

Future market  
Mechanical Ventilation  
with Heat Recovery.  
Jump-start with  
Möhlenhoff now!



# Möhlenhoff – Your OEM Partner



Möhlenhoff is a professional and reliable original equipment manufacturer with more than 30 years of experience in the production of high quality OEM product and system solutions.

With Möhlenhoff as your partner, you have a well-balanced and comprehensive package of high-quality mechanical ventilation and heat recovery products as well as associated services at your disposal.

- Full service with personal support and technical advice is available via our customer hotline
- Product support – We provide a selection of data materials, technical information and product photos to facilitate your marketing
- Labelling with company logo
- Type label with specific data
- Your own item number on request
- Bar code for packaging
- Market entry support



Der Garant für Funktionssicherheit,  
Kompatibilität und Freude am Produkt  
durch innovative Technologie

*Innovative technology for reliable,  
compatible and excellent products*



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# Mechanical ventilation with heat recovery

The optimal OEM solution for energy efficiency

Ventilation and air extraction for buildings





# The system as whole:

## Mechanical ventilation with heat recovery

Möhlenhoff GmbH, a renowned original equipment manufacturer (OEM), supplies high-quality mechanical ventilation systems with heat recovery. In addition to interesting commercial aspects, the system offers various technical system highlights with regard to installation, handling, hygiene and maintenance.

We are your central and reliable point of call for OEM product solutions, providing not only 4 complete systems but also numerous components for room ventilation. Upon request we can make proposals for product differentiation, supporting your successful entry in this profitable market segment.

### Health and value preservation

In addition to an intelligent building automation system that controls the production and distribution of energy, energy-efficient buildings also require a building shell that is extremely well insulated and airtight. If buildings are airtight, however, no natural air exchange can take place. In order to protect the building fabric, from damp and mould in particular, continuous room ventilation is essential. A regular and adequate exchange of air in our homes is indispensable for our health.

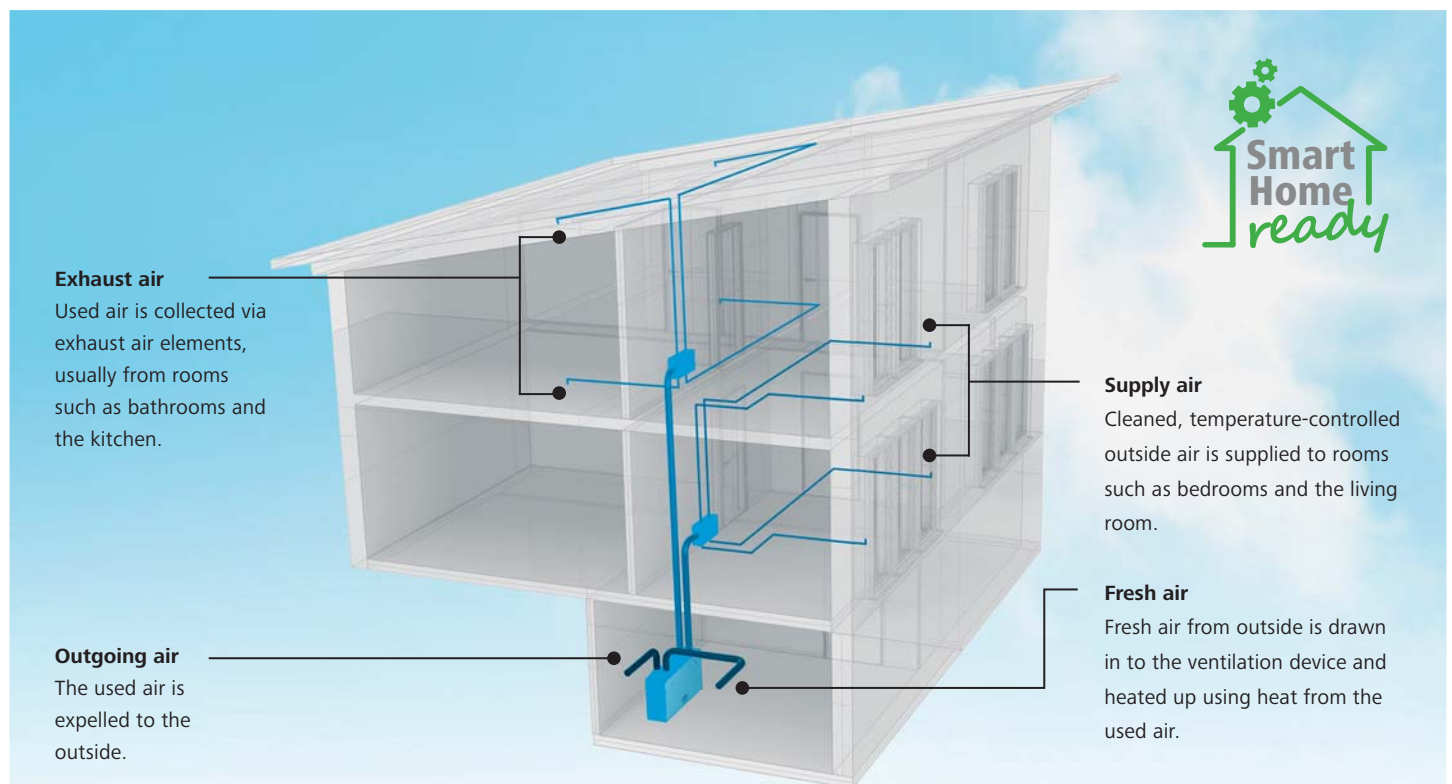
### Saving energy is environmental protection in action

The regular exchange of air should not result in the loss of ventilation-heat, since this would

cancel out the energy saving effect of the well insulated building. By using mechanical ventilation systems with highly efficient heat recovery, the desired savings in energy can still be achieved.

### European directives

The need for mechanical ventilation with heat recovery is also supported by several European directives. These require the preparation of a ventilation concept for all new buildings and building modernisation projects, to ensure an adequate exchange of air. If ventilation measures are necessary, it is advisable to install mechanical ventilation with heat recovery system in order to meet the requirements and avoid the risk of liability.



The OEM portfolio comprises a complete range of products for the installation of a centralised, mechanical ventilation system. All components and accessories are at your disposal from a single supplier:

- Ventilation devices with heat recovery
- Supply and exhaust air distribution systems (flat duct or round tube)
- Components for distribution of the fresh and exhaust air
- Installation materials and accessories

The system approach is an integral part of all our product developments. Thanks to Smart Home ready the system is convenient to connect and control via an open XML interface to existing home automation systems.

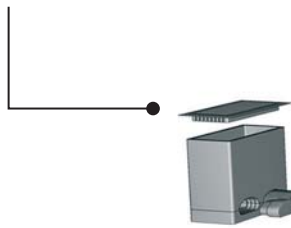
Moreover, do you use a room-by-room temperature control system made by Möhlenhoff? If yes, you can control the central ventilation device via the room control units.



# The system components: Perfection down to the smallest detail

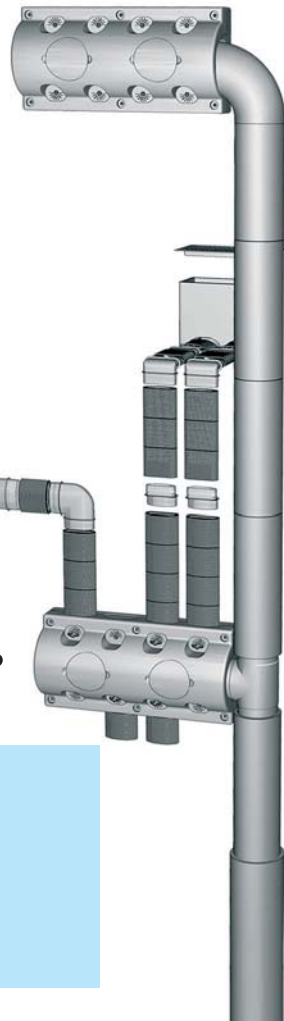
## Supply air element

For installation in floors, walls or ceilings; elegant and exclusive cover grates are available; sound and heat insulating material.



## Air distributor

Air distributor with adjustable flaps for supply air/exhaust air, for flat ducting and DN 150 main connection; main connection possible on either side.



## Exhaust air element

For installation in floors, walls and ceilings



## Three duct systems:

- Flat duct
- Round duct 75
- Round duct 63

## Moulded fittings

For the installation of flat duct



### Types of application:

- For new buildings and restoration
- For living space in a single family or two-family house, apartment in an apartment block

Image: Air distribution system with flat ducting



Ventilation device with Möhlenhoff controls



### Ventilation device with integrated web server.

- Cross counter current heat exchanger with heat recovery of up to 90%
- 2 device types with application ranges up to 243 m<sup>3</sup>/h resp. 463 m<sup>3</sup>/h
- Control possible by means of room control units of the floor heating system OEM Alpha 2



### User-friendly web interface for PC

The ethernet interface of the ventilation device allows a local control or monitoring via the home network and on a world-wide scale over the Internet. This allows comfortable access to all device settings and functions via PC, laptop or smart phone during running operation – this makes set-up and status monitoring easy as a child's play.