

# OBJECT OF THE MONTH



## RESIDENTIAL COMPLEX, FRANKFURT

Pichler's ventilation solutions with heat recovery for multi-storey residential buildings offer centralised ventilation of the flats, where maintenance of all fire dampers, volume flow controllers and the entire ventilation system can be carried out conveniently from the roof of the apartment blocks. It is therefore no longer necessary to enter the individual residential units. This innovation is made possible by a harmonious interplay of well thought-out architecture and advanced building technology. Pichler LG 2500 F central roof ventilation units are used in this residential quarter, supplemented by volume flow controllers, motorised fire dampers with bus system, room control, air distribution systems, silencers and air outlets. The supply and exhaust air ducts are integrated into the stairwell walls to save space and only close off the respective fire compartment on the roof.

### ADVANTAGES FOR THE INVESTOR

- No need to coordinate dates with tenants and owners
- Very low life cycle costs for the complete system
- Very little time required for centralised maintenance
- Monitoring of devices and fire dampers via BUS system
- High operational reliability
- High energy efficiency thanks to passive house-certified ventilation units

### ADVANTAGES FOR THE USER

- No access to the residential units necessary
- Best air quality automated via room control
- Very low running costs
- No sound sources in the living area
- No sound bridges from outside to inside
- Mould, dust and pollen stay outside (ISO ePM1 55% F7 filter)

### DATA & FACTS

Location: Frankfurt am Main

Completion: 2025

Type of building: residential complex

Products: Central roof ventilation units LG 2500 F in passive house standard, air distribution system, volume flow controllers, silencers, air outlets, fire dampers with bus system

### Product groups:

