

OBJECT OF THE MONTH



ELEMENTARY SCHOOL, SCHWABMÜNCHEN

The children and teachers from the Elementary school Schwabmünchen now also enjoy a healthy indoor climate with constant top air quality. The sustainable new-build was equipped with an energy-efficient PICHLER school ventilation system and put into operation in 2023. The centrepiece of the ventilation system is the ceiling unit LG 1000 SKDE for classrooms.

It consists of a compact, thermal bridge-free, thermally insulated housing made of galvanised sheet steel, powder-coated in RAL 9003. It has a highly efficient heat recovery system with an enthalpy exchanger for heat and moisture recovery, an automatic 100% bypass and energy-saving radial fans with the latest EC motor technology. The integrated air flow rate measurement guarantees balanced operation with constant flow on the supply and extract air sides. Butterfly valves integrated into both the outdoor air and exhaust air ducts serve to prevent unintentional air circulation in the event of a unit standstill. To ensure reliable functioning, even at low outdoor temperatures, a continuously adjustable pre-heating coil is provided.

DATA & FACTS

| | |
|----------------------|--|
| Location: | Schwabmünchen |
| Completion: | 2023 |
| Type of building: | Educational institution |
| Builder: | City/Community Schwabmünchen |
| Building technology: | R. Einsiedler Services GmbH |
| Planner: | Airoptima, Kaufbeuren |
| Products: | 23 pcs. School ventilation units LG 1000 SKDE |

Product groups:

