



ELEMENTARY SCHOOL, ÖTZTAL

The air quality in classrooms is of particular importance: if the air is fresh and clean, it has a positive effect on people's health, ability to concentrate, performance and well-being.

From the summer of 2022, the elementary school was extensively renovated. The renovation lasted until spring 2023. Rooms in the basement were adapted for school day care. A second floor with two classrooms and a library was added. Under the planning of the Klimatherm engineering office and with the support of us as Pichler, an RHP 30 device with full air conditioning (via integrated heat pump) including dehumidification and humidification was installed.

The RHP 30 with a nominal air volume of 6000 m³/h (exhaust air & supply air), an external pressure of 300 Pa, an inflow velocity at a design volume flow of 2.33 m/s and a thermal efficiency of the heat recovery of 73% proved to be special suitable for this school ventilation project. In total, the municipality of Ötztal invested more than 3 million euros in the expansion.

DATA & FACTS

Location:	Tirol
Completion:	2023
Planning:	Klimatherm GmbH
Building technology:	GEKS Energie- & Gebäudetechnik GmbH
Products:	Ventilation unit RHP 30 with heat pump

Product groups:

