

OBJECT OF THE MONTH



CARDIOLOGY CENTRE, VARNA

Creating a healthy indoor environment is essential in every healthcare facility. In this newly built cardiology center, the challenge was to provide excellent indoor air quality, maximum acoustic comfort and high energy efficiency in a space where natural ventilation was simply not an option.

The medical center occupies approximately 250 m² on the ground floor of a newly constructed residential building. Originally designed as one large open space, it was transformed into several consulting and examination rooms. Most of these rooms have no windows, while the large glazed façade is fixed and cannot be opened. As a result, a high-performance mechanical ventilation system became a key element of the entire project.

The project features a PICHLER LG 900 heat recovery ventilation unit with an airflow capacity of up to 1,000 m³/h. The complete ventilation system was built using PICHLER components, including flexible air distribution ducts, distribution manifolds, silencers and air valves.

The result is an exceptionally quiet and efficient ventilation system. Even when operating at full airflow, the system remains barely noticeable in the patient waiting area. During normal daily operation, it is virtually inaudible, allowing patients and medical staff to enjoy fresh, filtered air without any disturbance.

DATA & FACTS

Location:	Bulgaria
Completion:	2026
Type of building:	Medical Centre
Building technology:	Passive House Shop Ltd.
Planner:	Passive House Shop Ltd.
Products:	LG 900, KomFlex® distribution system, silencers, distribution boxes, air valves

Product groups:

