

Aliaxis solutions for thermal water management in the redevelopment of the historic swimming pools of Nancy



Builder	Nancy Thermal: renovation and expansion of the historic thermal baths
Location	Nancy - France
Items	FLS sensor, Manual and automatic PVC-C + PVC-U valves, PVC-C pipes and fittings
Application	Industry
Year	2019-2023

Specifications:

The project focused on the re-development of the historic municipal baths of Nancy, a monumental building dating back to the early 1900s. The interventions included the complete renovation of the treatment and distribution systems for thermal water, ensuring modern functional standards while fully preserving the original architectural value of the site.

Project Challenges: Managing thermal water with a high iron content, combined with variable operating conditions, required the use of materials with excellent resistance to chemical corrosion and thermal fluctuations.

The infrastructure also needed to ensure operational continuity, high reliability, and minimal long-term maintenance requirements.

Solutions provided

Aliaxis supplied a complete system made of PVC-U and PVC-C, selected for its high resistance to corrosive

ambient typical of iron-rich thermal waters.

The supply included:

- PVC-C pipes and fittings
- Manual and automatic valves in PVC-C + PVC-U
- FLS sensors for monitoring hydraulic parameters
- Components installed in diameters ranging from DN 25 to DN 400

Advantages:

The solutions were designed to operate within a temperature range of 25°C to 70°C, with a nominal pressure of 4 bar.

- Maximum compatibility with thermal water thanks to fittings and materials specifically designed for environments with high chemical aggressive.
- Operational reliability and long system lifespan.
- Continuous monitoring of water quality through dedicated sensors.
- Reduction of corrosion risks and maintenance costs.







