



Site Report

DAS BAD
Merzig



The Site

DAS BAD in Merzig is a classic leisure spa featuring a distinctive wellness and adventure area. In total, it has a water area of 1,120 m². A giant water slide with a length of 90 metres, a large sauna scenery, the adventure outside pool with flow channel, the Whirlpool as well as bubble massage couches, ground bubblers und massage jets are its attractions. The health spa constitutes a special figurehead, which is supplied with water containing a high amount of minerals from the Bietzener Medicinal Spring.



14 million Euros were invested for the new bath building opened in 2003, 4.5 million Euros of which alone were spent for the innovative domestic technique. The Merziger Spa Society (Merziger Bäder Gesellschaft, MBG) is the operator of the leisure spa. Within the first year since the opening over 320,000 guests have already rendered a visit to DAS BAD.

Requirements

For the large number of water attractions, DAS BAD Merzig requires pumps with a particularly high capacity, as 1,230 m³ of water are conveyed each hour in eight independent circulations. The Saarbrücker Society for Facility Management (FAMIS) is responsible for the technical area and the planning.

The medicinal water constitutes a special problem. For the Bietzener Medicinal Spring has a high portion of iron, mineral constituents. What is good for the healing process and the organism, however, causes considerable problems for the domestic technique. Before the highly ferrous medicinal water is led into the health spa, for example the iron has to be filtered first of all. The load through corrosion therefore is enormous with technical parts and solidium.



Pumps made in Herborn

For the complete leisure facilities, FAMIS focuses on high-quality and innovative technique. Therefore, all pumps were supplied by the Herborner Pumpenfabrik. Three bath water circulating pumps of Series UNIBAD XC as well as 11 additional UNIBLOCK-Pumps have been installed. They are all equipped with frequency converters.

The UNIBAD XC Pump, the noise of which is considerably reduced due to the missing ventilation, operates with a medium-cooled motor in the circulating system of the technical swimming pool parts. By means of a water-cooled motor the pump manages to save 95% of the lost energy and to reuse it. Through a special cooling jacket which encloses the motor, water is led round the motor. The waste heat produced by the motor is thus absorbed and heats up the water to be conveyed via a heat exchanger. This energy reuse principle allows for a considerable saving of heating costs. In addition, XC pumps help through the heat recovery to dimension the heat exchangers smaller and also reduce heating-up in the machinery room. The UNIBLOCK Pumps have been equipped with frequency converters for further energy optimization.



A good address

FAMIS belongs to the great planners and operators in Germany. In the Saarland alone, 18 mostly municipal baths are taken care of by FAMIS. For more than ten years this company has employed pumps almost solely from the Herborner Pumpenfabrik. For all bath projects operated by FAMIS, the products of the Herborner Pumpenfabrik meanwhile belong to the firm tender criteria.





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