

Butterfly Valve 565

Reliable water treatment in a luxury resort

Sofitel Quiberon Thalassa Sea & Spa
Quiberon, France

The Sofitel in Quiberon relies on Process Automation solutions by GF Piping Systems to monitor and control the flow of pool water.

Reliable treatment of 60,000m³ of pool water per year

As part of a network consisting of 120 resorts and hotels around the world, the Sofitel in Quiberon offers visitors a luxurious experience of the picturesque peninsula located in Brittany, France. A particular highlight is Thalassotherapy – a treatment that focuses on the health benefits of seawater. In order to reliably manage the flow of seawater, Sofitel has implemented flow meters as well as the Butterfly Valve 565 by GF Piping Systems.

Project background

Water management in the Thalassotherapy institute of the Sofitel in Quiberon has a number of challenges: Not only does the facility have to provide 60.000 cubic meters of water to seven pools each year, but it also has to ensure that the water is heated to specific temperatures. These range from 16°C in a cold water corridor to 28°C for a semi-olympic pool, or 33°C for the jacuzzies. As a result, the facility required a solution that could reliably control the flow of water and was capable of withstanding the corrosive properties of seawater.

Selected technical solution

The decision was made to implement flow meters and transmitters as well as the Butterfly Valve 565 by GF Piping Systems. The 565 is designed for water and water treatment applications and features a housing made of fiber reinforced polyamide and a disc made of PVDF. This means that the valve is highly corrosion-resistant but also easy to handle and install thanks to a 60% lower weight compared to metal alternatives. Due to its longer service life and lower maintenance requirements, it is also more cost-effective and can be easily retrofitted thanks to identical installation lengths. An independent life cycle analysis also confirmed that the Butterfly Valve 565 valve produces 25% less CO₂ than metal butterfly valves.

Achieved improvement

The Sofitel in Quiberon is now able to reliably control four water installations. The choice to implement the Butterfly Valve 565 was made due to its corrosion-resistance as well as the compact dimensions and low weight, while the flow meters were chosen because of their robustness. By implementing Process Automation solutions such as valves and measurement technology from a single source, maximum compatibility was ensured. In addition, GF Piping Systems was able to offer a flexible solution and provide all the necessary components despite the time constraints of the project.

Where next?



Transmitters such as the 9900 allow the Sofitel Quiberon to ensure the correct water flow in various applications.



Thanks to identical installation lengths and a 60% lower weight than metal, the Butterfly Valve 565 can be installed in a few minutes.

Customer benefits

- **The plastic Butterfly Valve 565 by GF Piping Systems is a cost-effective alternative to metal valves that is also 60% lighter and more sustainable.**
- **The high corrosion-resistance of thermoplastics makes the Butterfly Valve 565 ideal for saltwater applications.**
- **By also offering measurement and control technology, GF Piping Systems ensures maximum compatibility and reliability.**



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