

Butterfly Valve 565

Designed for water applications

Theme park: Europa Park Rust

Lightweight, highly reliable and cost-effective solution for theme- and leisure water parks



A robust Lightweight

Established in 1975, the Europa Park in Rust is Germany's biggest theme park spanning 950.000 m², including 18 subject areas and more than 100 fun rides. The constructors were looking for an easy to install and a permanently reliable solution for the Valves within the filter system of the attraction "Jungle Rafts". GF Piping Systems Butterfly Valve 565 is the perfect solution for Europa Park's needs.

Project background

Being a customer for many years the Europa-Park made the decision to replace its old metal butterfly valves with GF Piping Systems brand new plastic Butterfly Valve 565. Due to the significantly higher weight of the old and corroded metal butterfly valves, they were more difficult to operate and required more effort for annual maintenance than the modern plastic Butterfly Valve 565.

The technical solution

The Butterfly Valve 565 is made from plastics. Its lightness makes this new generation easier to operate and gives it an improved handling. Old butterfly valves can be replaced directly thanks to the same installation length and there's no need to pause the attraction of the park whilst installing the new valves. This ensures no additional reworks on the existing piping system and an ongoing operation of the attraction without any downtimes.

Gained improvements

The decision was made in favour of the new Butterfly Valve 565 thanks to its significantly lower weight, the direct replacement and the easy operation of the plastic valve. Furthermore, the durable material makes it almost maintenance-free. Its longevity is even more secure for there are no corrosion caused material defects. Reducing energy whilst production, transport and operation the Butterfly Valve 565 lowers carbon emissions and leads the way to a more sustainable future.



Direct replacement thanks to same installation length



New Butterfly Valve 565 in the filter system

Key benefits

- **Direct replacement:** same installation length allowing smooth replacement.
- **Lightweight:** plastic valves are 60% lighter than metal counterparts.
- **Durability:** reliable protection from corrosion.
- **Competitive pricing:** reduced cost for maintenance, operation and transport.

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