

White Paper

Maintenance and service of water slides in swimming pools

1 Introduction

Water slides are an essential part of modern swimming pools and water parks, providing fun and excitement for visitors of all ages. However, to ensure that these attractions can be operated safely and efficiently, regular maintenance and high-quality service are essential.

DIN EN 1069 sets out clear guidelines for the operation of waterslides to ensure the safety of users. According to this standard, the operator is legally obliged to organize an annual TÜV inspection and ensure regular maintenance. These requirements serve to protect visitors and are essential for the smooth operation of the facility.

2 Importance of maintenance

Regular maintenance of waterslides is crucial to ensure that they meet the highest safety standards and provide an optimal visitor experience. Through careful maintenance, potential problems can be identified early and rectified before they lead to serious safety risks. Regular maintenance also helps to extend the lifespan of waterslides and minimizes operational downtime of your waterslide.

3 Inspection

Qualified personnel to check all parts of the water slides should carry out regular inspections. This includes the steel structure, slide surface, launch and landing, railings, stairs, safety equipment such as traffic light controls and turnstiles, water inlets and other safety-related components. Inspections should take place at least once a month, with additional checks after particularly busy periods.

4 Cleaning

Keeping waterslides clean is not only aesthetically important, but also contributes to safety. Dirt and other debris can create uneven surfaces and increase the risk of injury. Thorough cleaning should be carried out regularly, including the removal of biofilm and bacteria.

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5 Mechanical maintenance

All mechanical parts, such as pumps, valves and drive systems, should be maintained in accordance with the manufacturer's instructions. This also includes the timely replacement of wearing parts. A well-maintained mechanical system not only contributes to safety, but also optimizes energy efficiency.

6 Services

In addition to regular maintenance, high-quality services are crucial to ensure quick responses to any problems that arise and to guarantee smooth operation.

7 Staff training

Staff responsible for the operation and supervision of waterslides should be regularly trained in safety protocols and emergency procedures. A well-trained workforce is critical to the timely detection of problems and effective response to emergencies.

8 Emergency repairs

A reliable service provider should be able to perform quick repairs when needed to minimize downtime. This requires a well-organized spare parts inventory and an experienced team of technicians.

9 Modernization and upgrades

The service provider should also be able to perform upgrades and modernizations according to evolving security standards and the needs of the operator.

10 Conclusion

The annual maintenance of waterslides, as prescribed in DIN EN 1069, is more than a legal obligation - it is a key part of responsible operation. If operators attach importance to annual maintenance and take appropriate measures, and have this carried out by a qualified maintenance and service company or by a maintenance partner, they can ensure that their waterslides are and remain not only safe, but also efficient and attractive for visitors in the long term.

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