



Blue-White®

Paddlewheel Flow Meters in Aquatics Applications

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Commercial Aquatic facilities, such as public pools and water parks, must meet specific city health standards of safety to remain open. For example, these aquatic facilities must verify that the turnover rate meets the required range to satisfy local regulations. As such, flow meters are required on all commercial aquatic features to facilitate inspection and confirm an adequate flow rate through the filtration system.

One of the simplest ways to quickly and reliably scan flow rates is with a paddlewheel flow meter. This device comprises a paddlewheel sensor, a display, and a pipe fitting. The paddlewheel sensor incorporates a rotating paddlewheel. As water enters, the magnets in the blades flow past the sensor, and the paddlewheel meter generates a frequency and voltage signal proportional to the flow rate.

When choosing a paddlewheel flow meter, consider the flow range, the unit's accuracy and repeatability, the pipe diameter in your system, and your preferred mounting style. Available mounting styles include inline, insertion, and non-invasive.

The BW DIGI-METER® F-1000 paddlewheel flow meter is an ideal choice for any aquatic feature, especially for those where the flow meter is required to monitor higher volume flow rates, such as water parks.

Three versions of the BW DIGI-METER F-1000 are offered: the F-1000RB is a rate-only meter, the F-1000TB is a flow totalizer, and the F-1000RT is both a Rate Meter and a Flow Totalizer.

F-1000 Flow Meters are factory calibrated, so no user programming is required, and the Total Reset function can be disabled to prevent tampering. F-1000 Digital Meters are battery-powered by two standard AAA batteries,

which are included, as is the pipe fitting for standard units.

The F-1000 paddlewheel flow meter is simple to install and easy to operate. It can be installed horizontally or vertically on pipes up to 12" in length. The F-1000 also has a NEMA 4X weather-resistant enclosure.

The F-1000 digital paddlewheel flow meter is a simple aquatics tool that provides flow verification to help keep facilities regulation compliant.

