FLYGT
a xylem brand

Contaminated water
Slimline propeller pumps

Meeting tough demands in contaminated water applications

Flygt has over 80 years of experience designing, manufacturing and supporting pump installations around the world. We have a reference base that consists of thousands of stations, with design recommendations and covering the range of applications.

On top of our reliable, high quality slimline propeller pumps, Flygt can provide support in design, model testing and simulations to achieve optimal operational performance in any given application.

Flood & storm

Flood & storm water installations will generally only operate for shorter time periods over a year, but must be able to manage large inflows reliably when the need arises. High operational reliability remains a key concern. Storm water often contains solids and long fibrous material. In some cases, when a retention basin is used as buffer during peak flows, sedimentation can become an issue with the consequent low velocities.

The Flygt slimline propeller pumps combine N-technology, propeller quality and robust design to handle all demands of pumping flood & storm water with utmost reliability and efficiency. They are specifically designed to pump the toughest items found in flood water including heavy amounts of grass, leaves, trash and silt.

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Treatment

Slimline propeller pumps are perfect for treatment and sludge applications as part of the treatment plant process. Secondary sludge pumping may include Return Activated Sludge (RAS), where sludge is continuously pumped back into the secondary biological treatment plant, and Waste Activated Sludge (WAS), where excess from settled sludge is pumped to the sludge handling process.

Optimal setup of the pump systems and stations throughout the infrastructure, and the ability to handle solids, is essential to achieve stable and secure performance. Flygt can offer valuable experience and expertise in the design of the pumping solution for your treatment operations. The new slimline propeller pumps bring the benefit of sustained high efficiency, reliability and superior clog resistance with N-technology. They are also designed for variable speed operation.

Wastewater

Wastewater pumping is particularly challenging given that it contains solids and long fibrous material, which increases risk of clogging and sedimentation. Due to partial clogging of the pump hydraulics, energy consumption can also be a major concern.

With a streamlined, robust design and N-technology, Flygt slimline propeller pumps deliver lower cost and greater reliability in the job of pumping screened wastewater.