

An Aerator for Unfiltered Wastewater



Sorubin, a supplier of energy-efficient aeration products for water treatment, has advanced its Microluft aerator to make it fully operational in unfiltered wastewater. According to the company:

- This means it is capable of pumping fibers (hair and fabric) and various solid objects without operational failure or clogging.
- The hydraulics of Microluft were modified to make the aerator able to handle all things normally found in unfiltered wastewater: fiber-clots “rags” and solid objects like hygiene products; the wear plate is also of a completely new design, introducing “shredding slots.”
- Tests (carried out at UMEVA’s wastewater treatment plant in Gravmark, Sweden) showed that the new version of Microluft was able to operate and aerate unfiltered wastewater without clogging the aerator.
- A patent application has been filed by Sorubin for this modified version of Microluft.
- Microluft is a bottom-mounted aerator that entrains atmospheric air to the bottom of dams and ponds by creating a vortex in a pipe.
- The high-yielding oxygen transfer rate per energy unit is many times higher than for incumbent aerator technologies, so Microluft is highly energy efficient.

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www.sorubin.com [2]

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