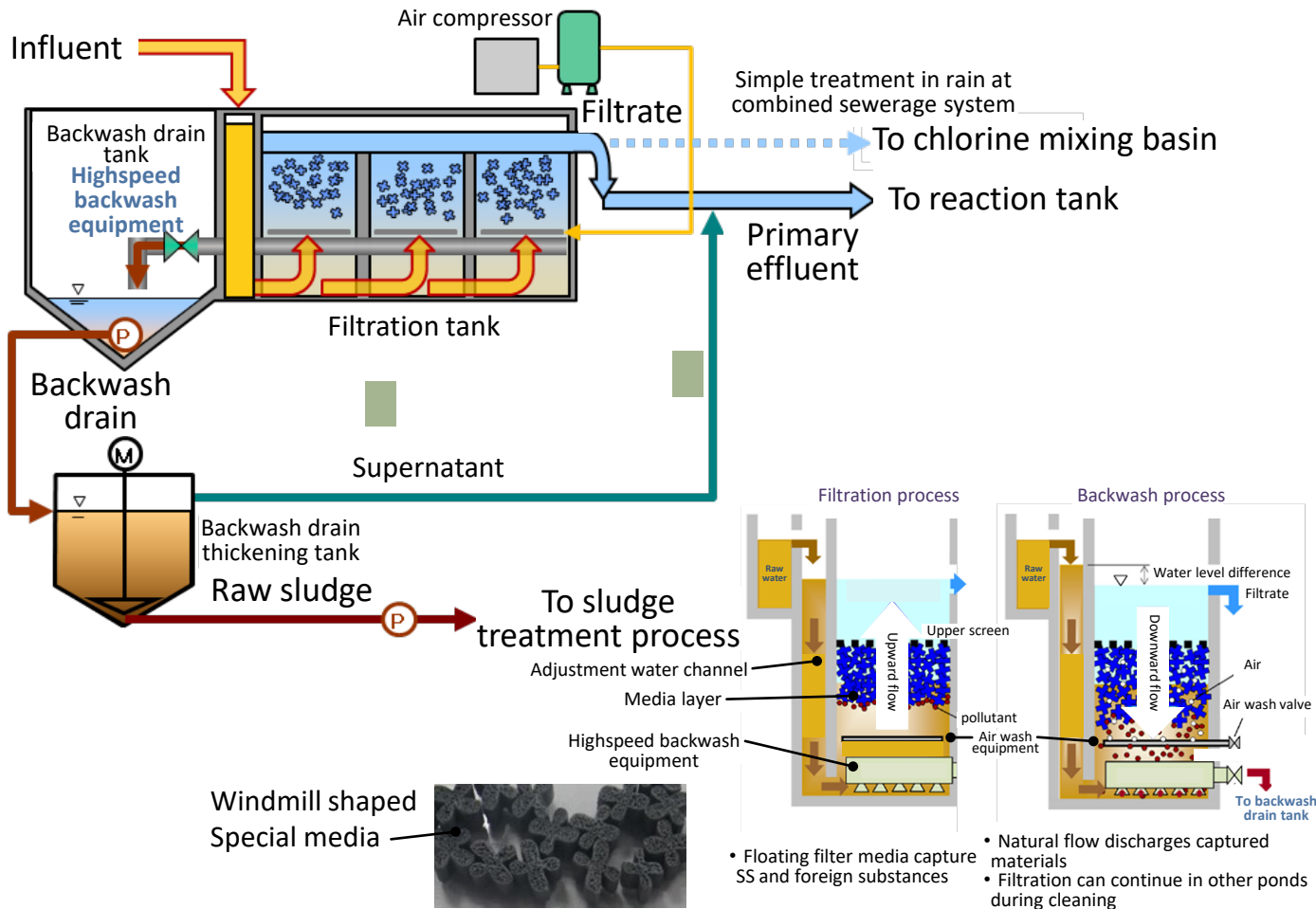


High-speed Filtration System: Alternative to Primary Sedimentation Tank System

Developers: METAWATER Co., Ltd.

A high-speed filtration system using special filter carriers is an alternative to a first sedimentation tank. It can increase treatment capacity, improve removability of SS and floating BOD, save space, reduce cost reduction, and adapt to inflow increase at rain*.

*In the combined or separated sewerage system, if the designed wastewater inflow rate in the rain is set up.



Needs

- Enhance treatment performance at retrofit of a first settling tank
- Energy utilization of sewage sludge by digestion gas power generation
- Response to inflow water increase at rain

Benefits

- Space-saving, construction cost reduction by increasing treatment capacity
- Improve energy recycle efficiency by more raw sludge with rich digestion gas
- High removability of impurities compared to simple sedimentation treatment