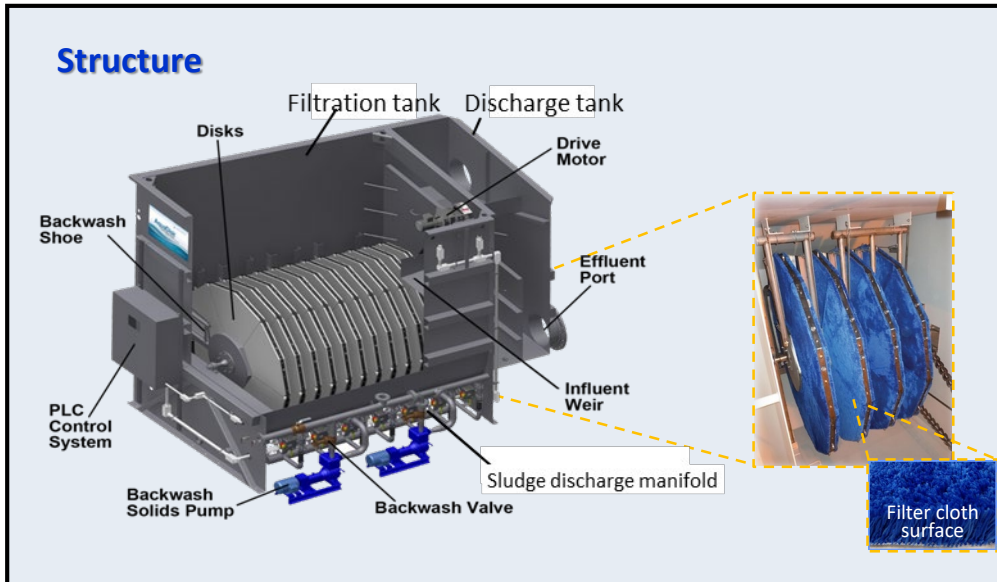


Disk-type Multi-filament Filter Fabric Filtration Equipment

Developer: METAWATER Co., Ltd., Maezawa Industries, Inc.

Disk shaped filament filter cloth filtration system removes suspended solids (SS) from secondary effluent.

Structure

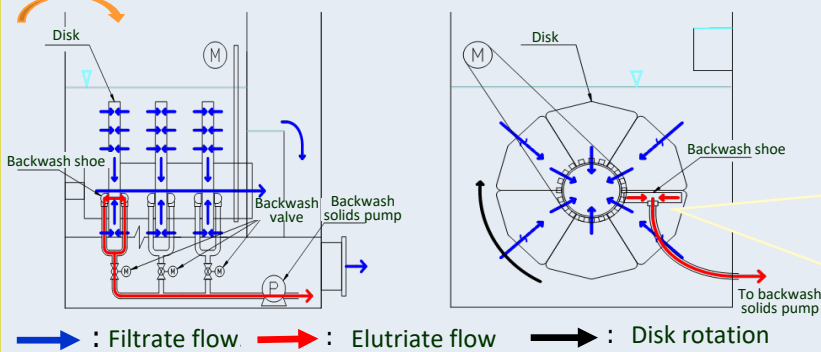


Design filtration rate and SS

Parameter	This system
Maximum daily	300m/day or less
Hourly maximum	400m/day or less
Raw water SS	30mg/L or less
Filtrate SS	5mg/L or less

Treatment flow diagram

Raw wastewater



Backwash shoe and backwash pump suck SS accumulating at filter cloth.

Needs

- Space-saving in the time of reconstruction of the existing rapid filtration facilities
- Cost-saving utilizing existing facilities

Benefits

- A larger filtration area per footprint than the conventional system achieves space saving.
- Gravity filtration functioned with the efficient intermittent washing function enables energy saving