



HydroMatrix

Applications of Hm Series Submerged MBR Module

Industrial waste water treatment recycle and reuse;
Municipal sewage standard improvement and reuse.

Filtration Performance

The product is proved to have below filtering effects according to its service conditions in various water sources:

| Description | Results |
|-------------|---|
| TSS | ≤ 1 mg/Liter |
| Turbidity | < 1 NTU |
| COD | Removal Rate according to the Biochemical Process performance & concentrate of the sludge. (instant removal rate are 30 % without biochemical process) |
| BOD | |
| NH-3 | |

| Application Parameters | |
|-------------------------------|--|
| Design Flux | 10 -20 L/m2.h |
| Backwashing Flux | Twice design flux |
| Operating Temperature | 5 – 45 °C |
| Maximum Operating Pressure | 50 kpa |
| Suggested operating pressure | ≤ 35 kpa |
| Maximum Backwashing Pressure | 100 kpa |
| Operating Mode | 09 min stop 1 min stop / 08 min stop 2 min |
| Air washing Mode | Continues aeration 3m3/hr. pc |
| Washing period of backwashing | every 120~180min; CEB: every 2~4 weeks; CIP: every 6~12 months |