



# 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.
BOD	( instant removal rate are 30 % without biochemical process)
NH-3	

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