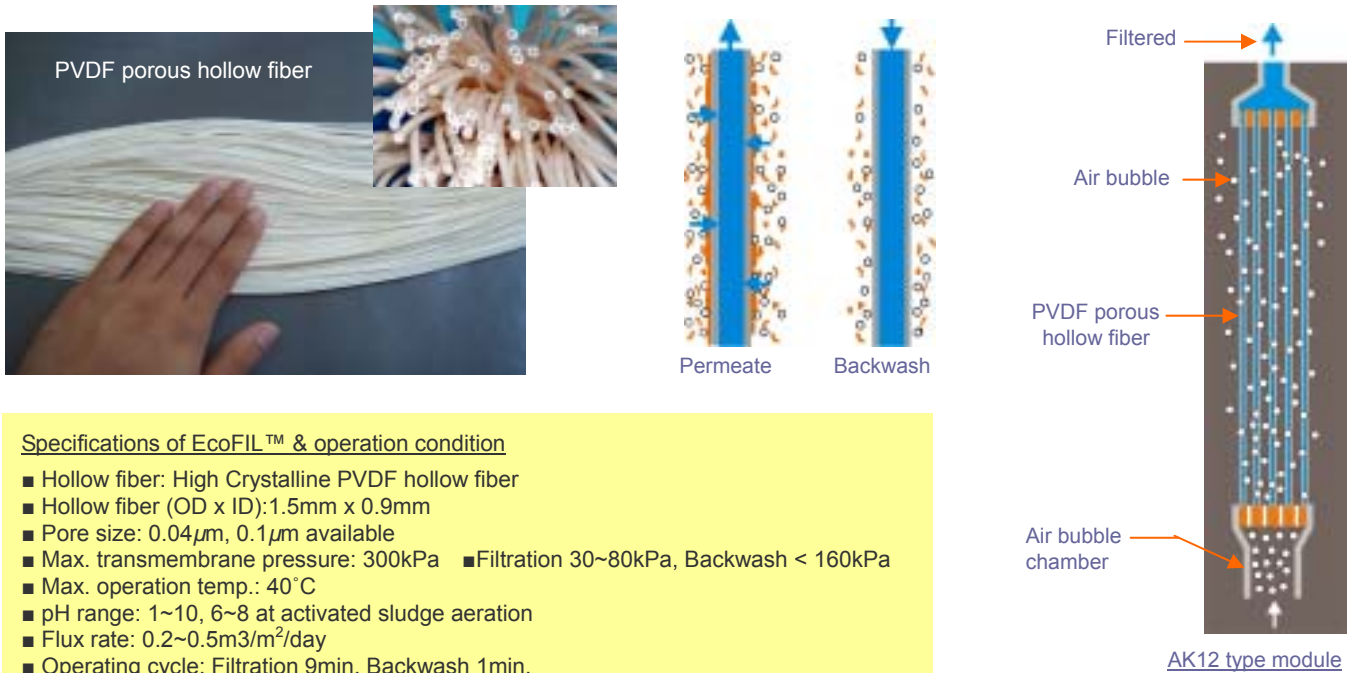


## EcoFIL™ PVDF Hollow Fiber Membrane Module

The unique design of hollow fiber membrane module eliminates accumulation of sludge on the membrane surface, even at reduced aeration rates. High and stable permeate fluxes are achieved with our new high performance UF membrane combined with reverse filtration using treated water.

- **Robust hollow fibers:**  
EcoFIL™ MBR systems feature high crystalline PVDF hollow fiber membranes that are mechanically strong and highly resistant to chlorine, caustic, and other cleaning chemicals. In fact, irreversible fouling and fiber breakage are virtually eliminated
- **Lower air consumption and operating cost**  
EcoFIL™ MBR systems feature membrane modules with uniquely specifically designed that reduce fouling and air consumption.



- Specifications of EcoFIL™ & operation condition**
- Hollow fiber: High Crystalline PVDF hollow fiber
  - Hollow fiber (OD x ID): 1.5mm x 0.9mm
  - Pore size: 0.04 $\mu$ m, 0.1 $\mu$ m available
  - Max. transmembrane pressure: 300kPa ■ Filtration 30~80kPa, Backwash < 160kPa
  - Max. operation temp.: 40°C
  - pH range: 1~10, 6~8 at activated sludge aeration
  - Flux rate: 0.2~0.5m<sup>3</sup>/m<sup>2</sup>/day
  - Operating cycle: Filtration 9min. Backwash 1min.
  - Scouring air rate: 0.2m<sup>3</sup>/hr/m<sup>2</sup>



EcoFIL™ AK12/4 module unit



EcoFIL™ B25 type module



EcoFIL™ KF type module

### EcoFIL™ Module Specification

Module Type	AK12-1000	AK12-1500	AK12-2000	B25-1000	KF-12.5	KF-20
Membrane area,m <sup>2</sup>	14.4	21.6	28.8	30.0	12.5	20.0
Dimensions:(cm)	Ø16 x H142	Ø16 x H192	Ø16 x H242	L36 x W36 x H110	W54 x H103	W54 x H153

- Specifications subject without notice due to technical modifications or production changes. ■ Custom module size available