

PURAN

UF-250PES-1680 Hollow Fiber UF Membrane

Features

- High filtration accuracy, good product water quality turbidity less than 0.1NTU.
- Strong hydrophilic. (Contact angle 47°max., not easy to be fouled, flux is easily to be recovered.)
- Strong fibers with good toughness. (The fibers' elongation is more than 50%.)
- High flux working at low pressure.
- Good chemical stability. (Performance keeps the same after 20times of chemical cleaning.)
- Good anti-fouling ability.

Typical Applications

- Drinking water production (raw water as tap water, ground water, surface water, etc.).
- Reuse of sewage (filtration of secondary effluent).
- Pretreatment for RO membrane process (seawater desalination, waste water reuse, industrial water production).



Specification

Item	Specification
Model	UF-250PES-1680
Membrane fiber material	PES
Membrane fiber I.D./O.D.	0.7 / 1.0 mm
Membrane surface area	50m ²
Nominal pore size	0.02micron
Designed flow rate	40-120LMH
N.W. (Dry)	55KGS
Inlet/Outlet Size	2inch
Cade Material	UPVC
Filtrate turbidity	≦0.1 NTU
Virus removal	99.99%
Bacteria removal	99.99%
Using Conditions	
Maximum Operating Temperature:	5-40 °C
Maximum Applied Feed Pressure:	3bar
Maximum Transmembrane Pressure (TMP):	1.5bar
Maximum Backwash Pressure:	2bar
Instantaneous Chlorine Tolerance	100ppm
pH Operating Range	2-11
Cleaning pH Range	1-12
Operating Mode:	Inside to Outside Filtration
Typical Process Conditions	
Feed Water Turbidity	50NTU max.
Backwash Flux	6m ³ /h-8m ³ /h
Backwash Duration	60-114seconds
Backwash Frequency	15-60minutes
Air Scour Pressure	1bar
Air Scour Duration	120-240seconds
Air Scour Rate	8-15Nm ³ /h
Disinfection Chemicals	NaOCl, H2O2, ClO2 or NH2Cl
Cleaning Chemicals	NaOH, HCl, H2SO4, or Citric Acid

Storage

- ✓ Cool, dry, clean and no corrosive gas places with cover.
- ✓ Environmental temperature: 5-40°C.
- ✓ Keep away from inflammable and explosive stuff and fire.

