



Device with 80pcs column membrane modules



Ultrafiltration membrane modules factory of 20m³/d reclaimed water plant

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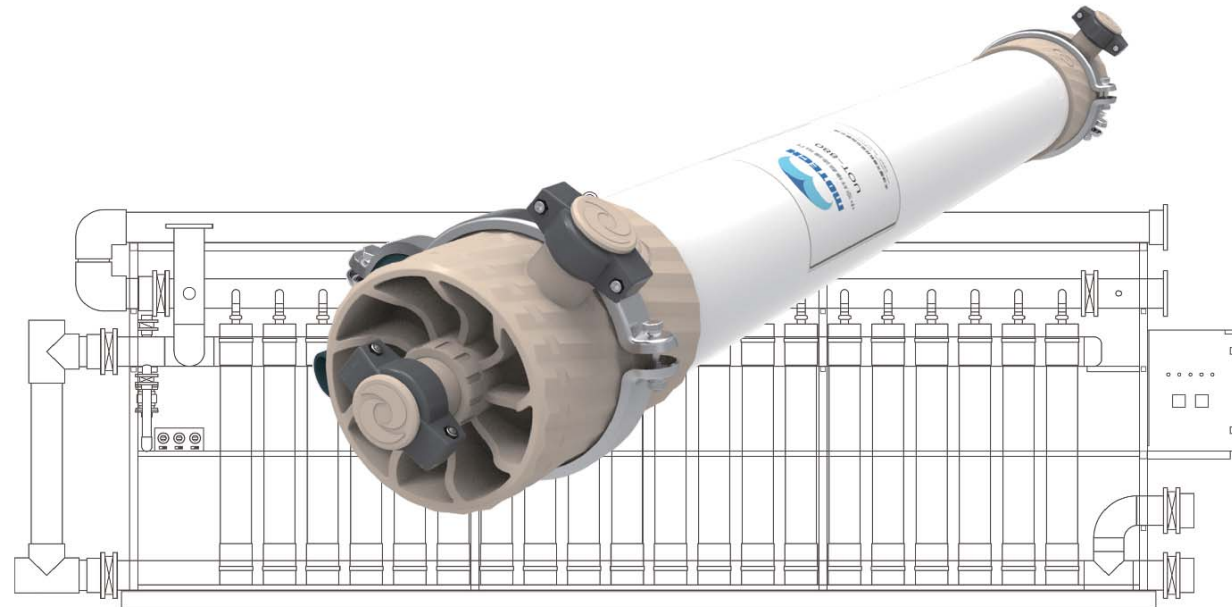


Ultrafiltration membrane with PVDF material of the third generation

Outside-in ultrafiltration membrane modules with PVDF material

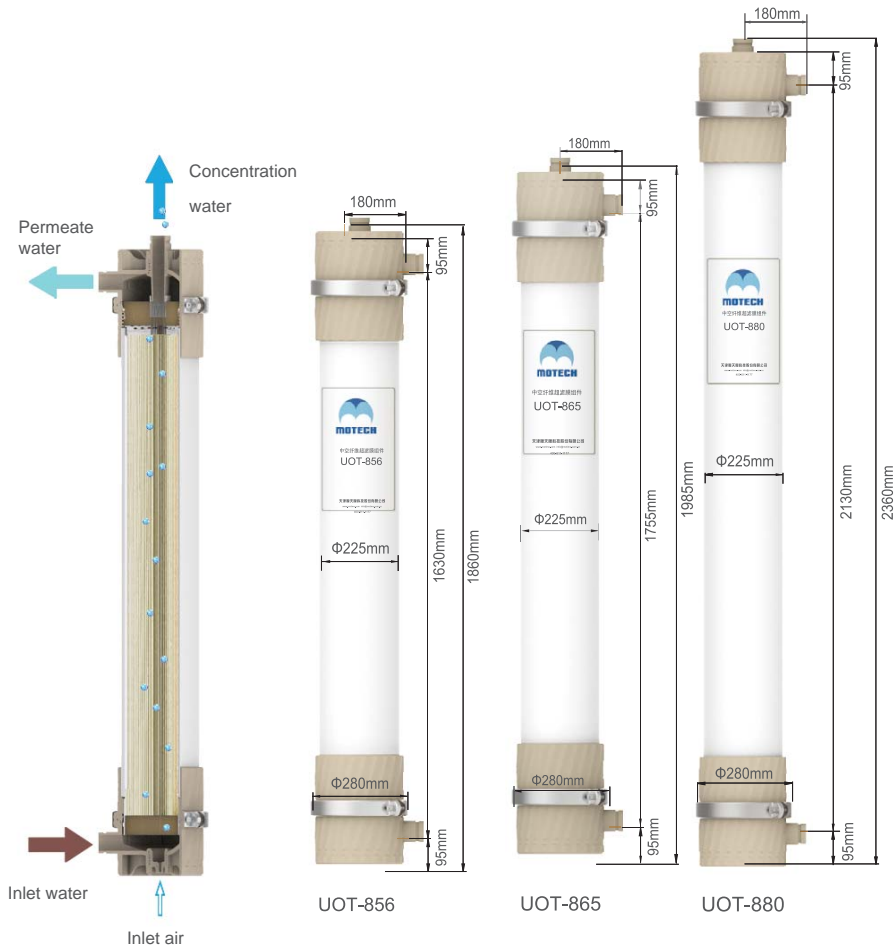
H-TIPS HOLLOW FIBER MEMBRANE

UOT-856 UOT-865 UOT-880



TIANJIN MOTIMO MEMBRANE TECHNOLOGY CO., LTD.

- Tianjin Motimo Membrane Technology Co., Ltd. has over 40 years history of column hollow fiber membrane R&D and manufacturing.
- The birthplace of the first Chinese column hollow fiber membrane module, the first Chinese column hollow fiber membrane module with PVDF material
- The PVDF column hollow fiber membrane making method of the first and second generation has the honor to win the second prize of the State Technological Invention respectively in 2008 and 2012
- Column hollow fiber ultrafiltration membrane modules with H-TIPS making method in 2012 is MOTIMO's third generation PVDF products (American Patent: USD8722146B2)
- This kind of product has widely applied in such areas like industrial water supply purification treatment, municipal water supply purification treatment and the sewage deep treatment and recycled use, etc.

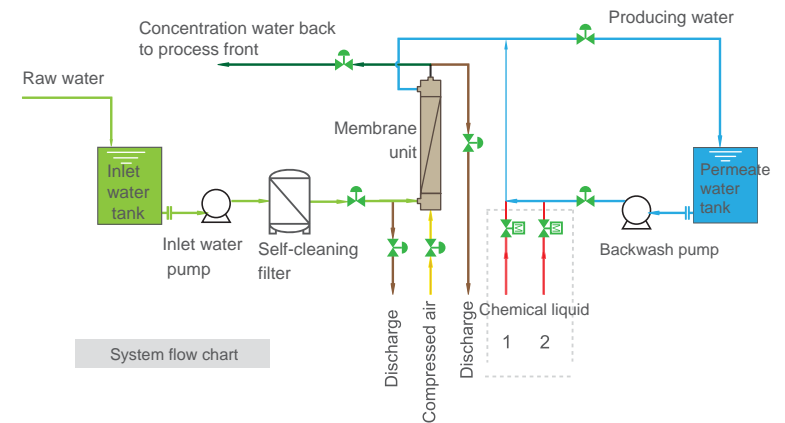


Product specification table

Module model		UOT-856	UOT-865	UOT-880
Module parameters	Module material	PVDF		
	Membrane making method	H-TIPS		
	Effective membrane area (m ²)	56	65	80
	Intercept aperture (μm)	0.03		
	Inner/outer diameter of the hollow fiber (mm)	0.7/1.3		
Module size	Outer diameter*Total Length (mm)	Φ225x1860	Φ225x1985	Φ225x2360
	Inlet and permeate connector specification (notes 1)	DN50 Copy Lin		
	Air inlet specification (notes 2)	PT3/8" Internal thread of taper pipe		
Module Weight	Moist module (kg)	48	50	70
	Module with full water (kg)	80	85	105
Operation conditions	Filtration mode	Dead-end filtration or Cross flow filtration		
	Produced water flux (L/m ² ·h)	40~120		
	Maximum inlet water pressure (kPa)	500		
	Maximum TMP (kPa)	300		
	Operational TMP (kPa)	30~150		
	Applicable temperature range (°C)	5~40		
	Air flux of doing air wash (Nm ³ /h)	10~18		
	Water flux of doing water washing (m ³ /h)	1.3~2.3	1.5~2.7	1.8~3.2
Cleaning operations	pH range of doing chemical cleaning	1~13		
	Maximum tolerance concentration of NaClO (ppm)	5000		
Produced water performance	Produced water turbidity (NTU)	≤0.1		
	Produced water SDI (SDI ₁₅)	≤3		
	Coliform removed	Not detected		
	Total bacterial count (CFU/ml)	< 3		

Note 1: Standard accessory DN50 all-plastic Copy Lin(3pcs) DN50 all-plastic Copy Lin casing cap(3pcs); Alternative accessory: all-plastic Copy Lin connector(3pcs)

Note 1: Suggest to equip with all-plastic straight joint and Φ10mm standard air pipe



System flow chart