

UF membrane water treatment

UF membrane (Ultrafiltration membrane) water treatment: The treatment successfully eliminates germs and viruses. By creating parallel flow to the membrane surface, turbid substances and colloids in the water supplied to the membrane are reduced to prevent them from accumulation on the membrane surface while being filtered which is called the cross flow filtration method. As compared to more common and affordable RO membrane (reverse osmosis membrane), the method enables reuse of 95% of the water to be filtered with greater power efficiency of the pumps and longer durability and thus is fit for use in developing countries. Also, UF membrane is capable of leaving hardness and ion levels at the optimum level so local flavor is maintained while safety is assured, as opposed to RO membrane that removes salt and ion to the extreme.



Company Name

SANICON Co., Ltd.

Company Web Page

<https://www.sanicon.co.jp/>

Technology Web Page

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Sector - Category - Sub-Category

- Water Environment, Water Resources
 - Water supply
 - Water purification

Type

- Sustainable water supply
- Maintaining Health, Sanitation

Form

- Product
- Engineering

Potential User

- Communities
- Policy makers

Cost Range (K USD)

- < 10
- 10 - 100
- 100 - 1,000

Countries with Track Record

- Vietnam

SDGs

- 6. Clean water and sanitation