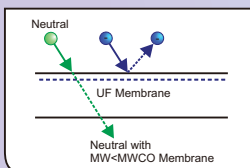


## Future Direction

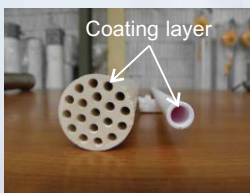
### Molecular Fractionation & Charged Ultrafiltration



Based on its experiences as membrane manufacturer for a decade, GDP Filter incorporates several modified techniques to manufacture membrane with desired MWCO. Ideal molecular fractionation by UF is going one step closer to be reality.

In order to give extra cutting edge to separation performance of UF, GDP Filter initiated charged-ultrafiltration project. Charged-UF membrane has greater degree of separation due to its electric charges. In particular applications, such as peat water treatment (low TDS content but high in low molecular weight organics), charged-UF membrane will be powerful yet economically attractive solution.

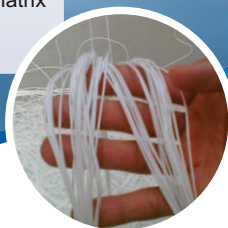
### NaA Skin-Layer Technology on Ceramic Support



Coated Ceramic Membrane

Despite of its brittle nature and more expensive cost, ceramic membrane will always have special place in niche applications where extreme conditions are inevitable. Pervaporation and vapor permeation, which apply membrane-based technology for ethanol dehydration, are among those.

GDP Filter has developed special coating technique using microwave heating to create selective dense zeolite NaA skin layer on porous ceramic support. The special coating technique can also be used for skin layer production of various polymeric and even mixed-matrix membrane using porous ceramic support.

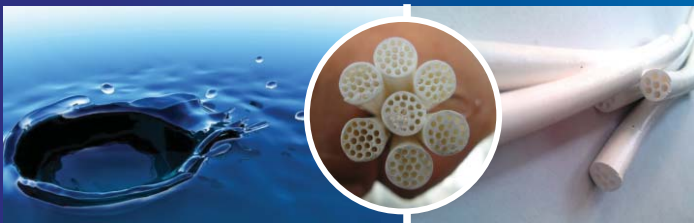


### GDP Filter

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# GDP Filter

As leading membrane manufacturer in the region, GDP Filter produces high quality membranes for various applications.



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## OUR MOTTO

Our principle of never ending improvement to aim perfection is devoted to brighter future of human being, as we said, "Innovative Solutions for A Better Life".

## NEVER ENDING INNOVATION >



## SCOPE OF SERVICE

Holding on the spirit to serve, GDP Filter offers the concept of **Total Solution** to customers. Our experiences range from production of high purity water, industrial process water, drinking water, to even **Unique Cases** such as vegetable oil filtration, pervaporation, and waste lube oil recycling.

2001

Labs Scale Device  
Residential Unit

2002

Small-scale Ultrafiltration

2003

Large-scale  
Membrane Plant

2004

Vegetable Oil Filtration

2005

IGW Emergency UF

2006

Single-Bore Capillary Membrane

2007

2008

Mobile SWRO

2009

- Multi-Bore Capillary Membrane  
- Non-Modular Membrane System

2010

2011

- RO Module  
- FRP RO Housing

First & Only in the World

With years of research, we developed an unique non-modular membrane system.

"Innovative Solutions for A Better Life"