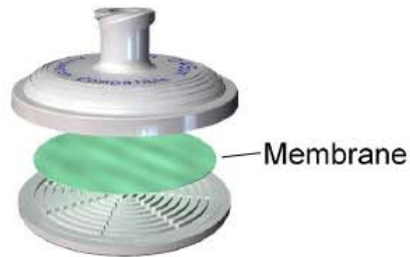
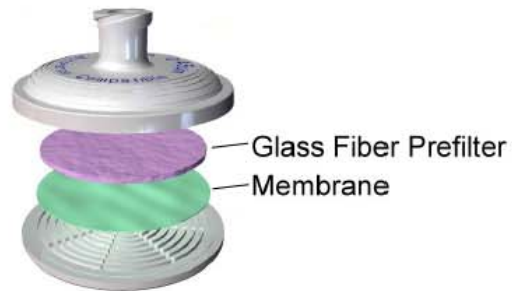


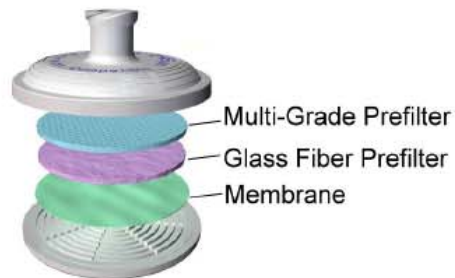
RES Compatible Filters: A Solution for Every Application



Automation compatible membrane filter
Use for clear solutions



Automation compatible membrane filter
+ glass fiber pre-filter
Use for low particulate solutions



Automation compatible membrane filter
+ multi-layer glass fiber pre-filter
Use for high particulate solutions

General Filter Membrane Considerations

Hydrophilic PVDF

- *Compatible with aqueous solutions*
- *Low extractables and drug binding*

Hydrophilic PTFE

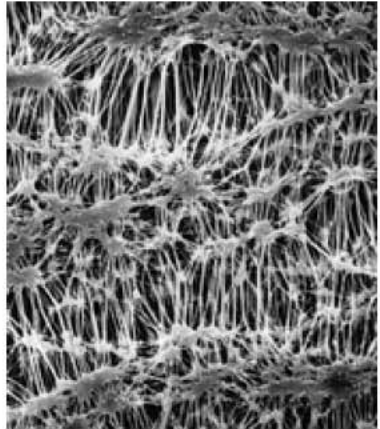
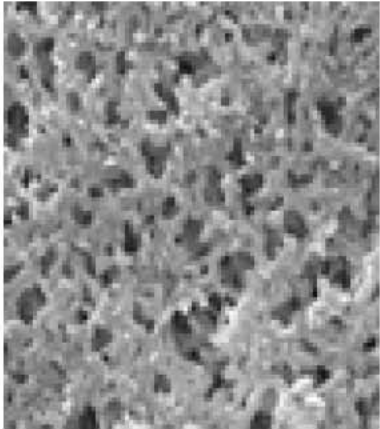
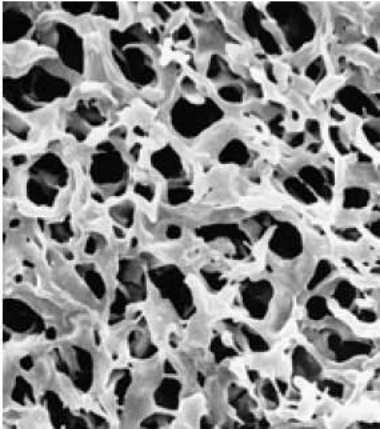
- *Provides broad chemical compatibility*
- *Very low extractables and drug binding*

Nylon

- *Good general purpose filter*
- *Can exhibit increased binding and higher levels of extractables in comparison to PVDF or PTFE membranes*

Membranes – A Closer Look

Membranes are mostly air.
Their pore structures differ.



PVDF

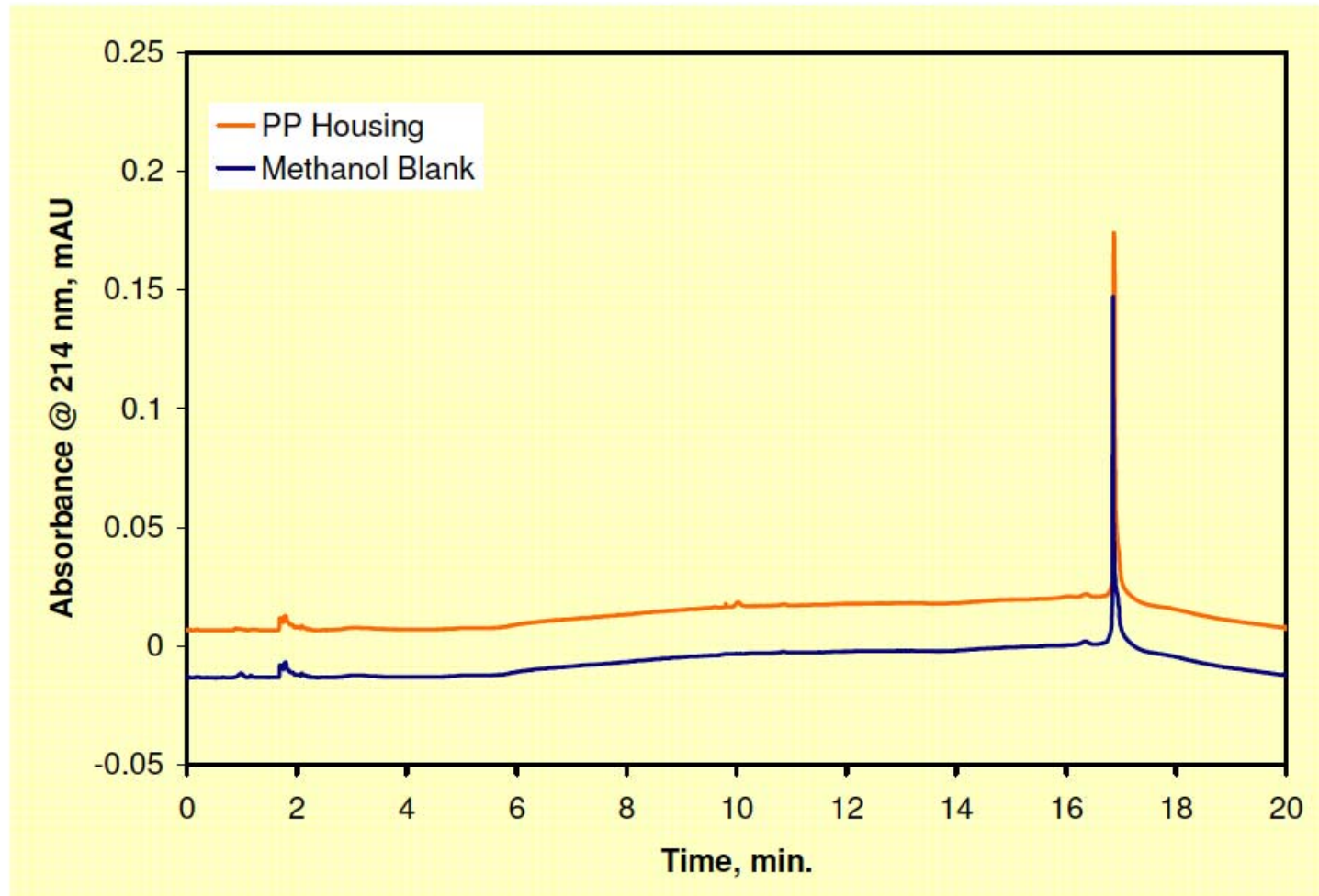
Nylon

PTFE

% Porosity	70%	75%	80%
Water Flow Rate (mL/min cm ²)	29	75	70

Same pore size can have different flow rate

PP Filter Housing Extractables: When Less Is More



PP offers very low levels of extractables resulting in cleaner samples