



# AGEROTEC HydroMem PES Membrane

Our **HydroMem** series PES membranes are first in class in all operational attributes, while maintaining above standard mechanical properties.

## FIRST-IN-CLASS:

- PERMEABILITY
- PRESSURE RESISTANCE
- CHEMICAL TOLERANCES
- TEMPERATURE TOLERANCES

HydroMem's unique PES can be used as a PVDF substitute, saving consumers 3X cost on average.

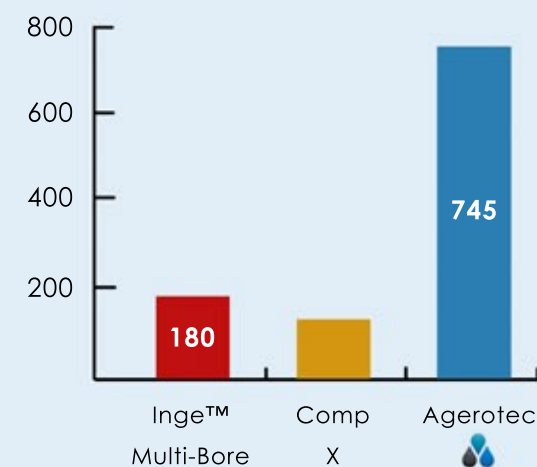
We can design and engineer a new water filtration system or you can simply retrofit your current system with our HydroMem PES and bring your old system up to the Agerotec standard.

HydroMem PES can be used in the following methods:

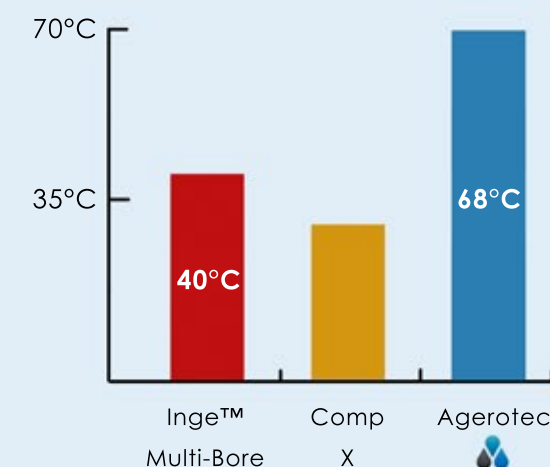
- INSIDE-OUT
- OUTSIDE-IN
- CROSSFLOW
- DEAD-END
- MULTI-STAGE

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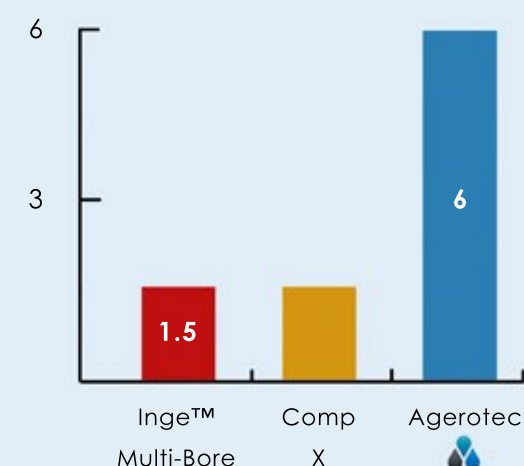
**Water Flux  
(L/m<sup>2</sup>/hr@10KPH)**



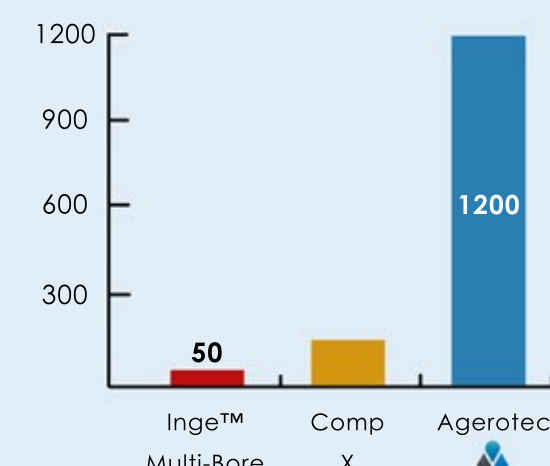
**Max Temp (°C)**



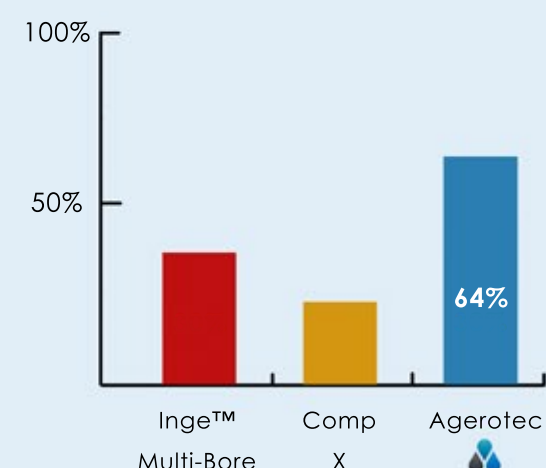
**Max Operating Pressure (Bar)**



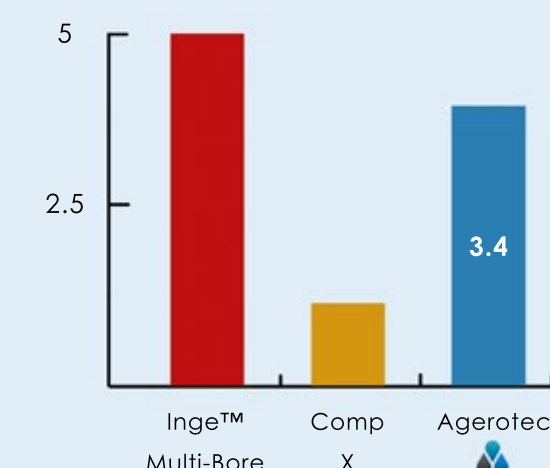
**Max H<sub>2</sub>O<sub>2</sub> per 24HR @ 24°C**



**Elongation At Break**



**Tensile Strength (MPa)**



	MEMBRANE MATERIAL	FIBER OD	FIBER WALL THICKNESS	PORE SIZE	FILTRATION CLASS
PES	Polyethersulfone (hydrophilic)	250µm - 2500µm	30µm - 300µm	15nm - 1000nm	MF / UF / NF
PS	Modified Polysulfone	250µm - 2500µm	30µm - 300µm	10nm - 500nm	MF/UF/NF
PVDF	Polyvinylidene Fluoride	250µm - 2500µm	30µm - 300µm	10nm - 500nm	MF/UF/NF
PAC	Polyacetate	250µm - 800µm	10µm - 50µm	10nm - 100nm	MF/UF/NF
PA	Polyamide	250µm - 2500µm	30µm - 300µm	15nm - 100nm	MF/UF/NF