



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

Due to its characteristics our HydroMem Series can operate in conditions that competitors cannot. HydroMem will improve performance and reduce cost.

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

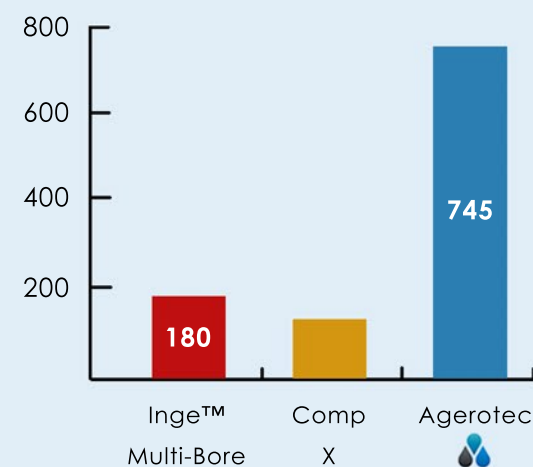
Cleaning Processes:

- SIMPLE BACKWASH
- MAINTENANCE CLEAN
- CLEAN-IN-PLACE

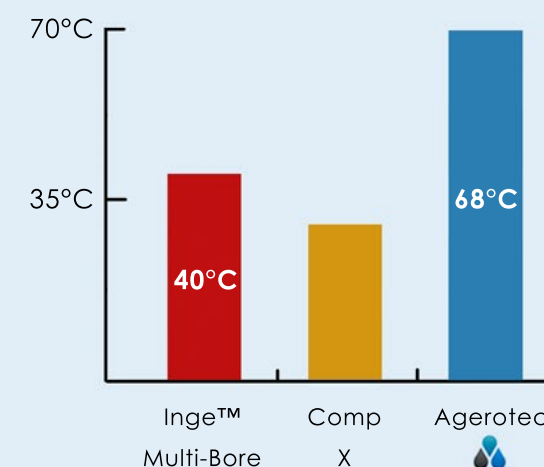
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*The information listed in the chart is for general comparison purposes only and may not be accurate in all instances.

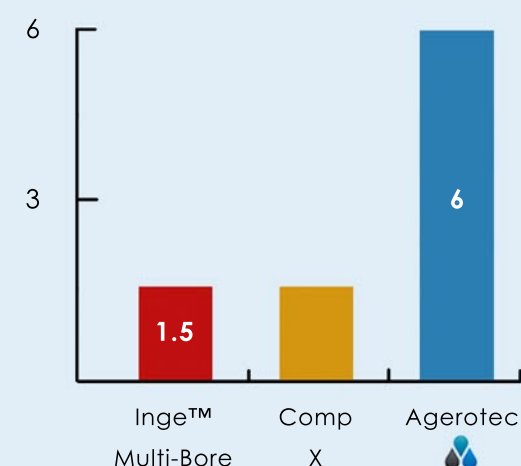
**Water Flux
(L/m²/hr@10KPH)**



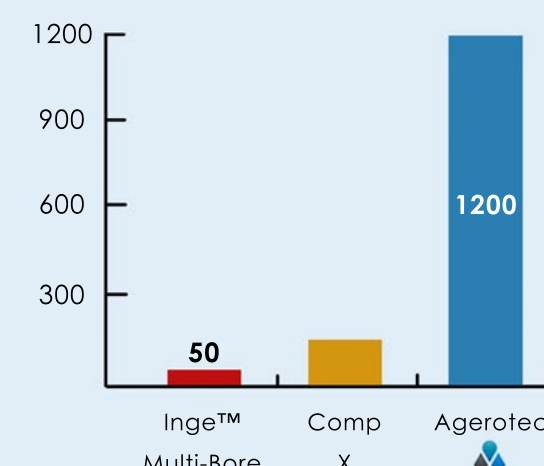
Max Temp (°C)



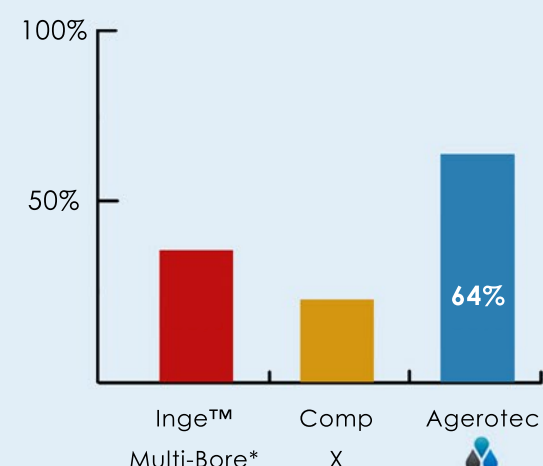
Max Operating Pressure (Bar)



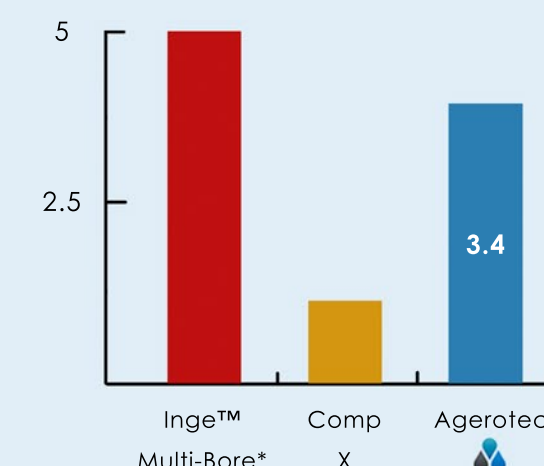
Max H₂O₂ per 24HR @ 24°C



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