



Graphene-Enhanced Membranes Advanced Ultrafiltration (AUF)

Purafy Clean Technologies introduces the first graphene-enhanced ultrafiltration membrane in North America

The Benefits of AUF

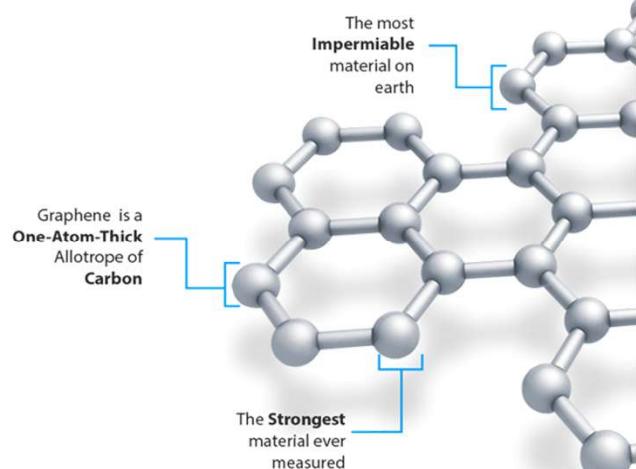
This revolutionary manufacturing process integrates graphene into the hollow fibre manufacturing process to produce a membrane that behaves like no other:

- Higher Flux
- Higher rejection rate
- Resistant to fouling

Replace your existing UF membranes with Purafy's AUF membranes to gain higher permeate flow at a lower total cost.



Why Graphene?



Purafy AUF Specifications

MEMBRANE DATA		ABS VERSION ULTRAGO-4020A
Number of capillaries per fiber		1
Molecular Weight Cut Off (MWCO)		<100,000 Da
Material		PES + GO
Mode of filtration		Out-to-In Cross-flow or dead-end filtration (Retentate port available for forward flushing)
Transmembrane pressure in filtration		5 - 30 psi
Transmembrane pressure in backwash		5 - 30 psi
Flux		>180 LMH/bar
Membrane area		2.3
Filter weight (with preservation)		Approx 2.8kg
Inlet, outlet, retentate port diameter		½"
Housing material		ABS
End cap coupling		End cap with a 1/2-inch female thread can be screwed with male-threaded connection
Temperature range		5 - 40 deg C
Recommended max operating pressure		43 psi

