



Graphene-Enhanced Membranes Advanced Ultrafiltration (AUF)

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

The Benefits of AUF

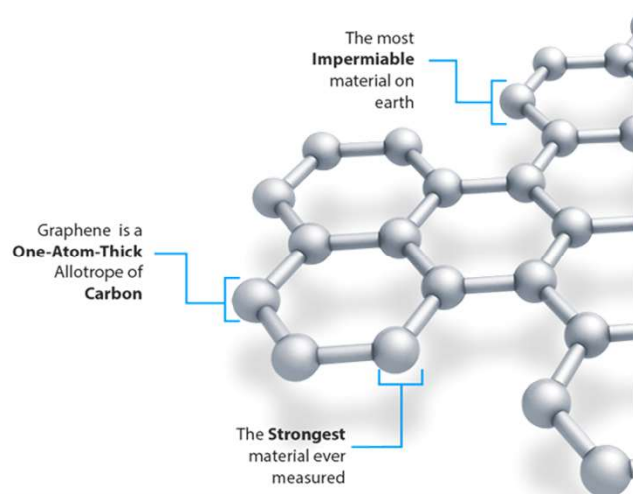
This revolutionary manufacturing process integrates graphene into the hollow fibre manufacturing process to produce a membrane that behaves like no other:

- 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	1/2"
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

