

Inside-Out UF Membrane — Quick Design Notes (1-Page)

- Flow orientation: raw water enters fiber lumen; filtrate exits shell side — good foulant control with air scour.
- Typical flux window: 30–80 LMH (feed dependent). Design with pilot or vendor curves; include backwash & CIP.
- Pretreatment & limits: SDI, turbidity, oil & grease, oxidants; chlorine tolerance varies by polymer.
- Automation: TMP control, backwash every 20–60 min; integrity testing via pressure hold/diffusion.
- Integration: UF as RO pretreatment for SDI < 3; pair with cartridge filter and antiscalant when feeding RO.

Links:

Article: Inside-Out UF Membrane — What It Is, How It Works & Where It Fits: <https://stark-water.com/inside-out-uf-membrane/>

Membrane category: <https://stark-water.com/product-category/water-treatment-accessories/membrane/>

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