

ZeeBlok* 500 ultrafiltration membranes for MBR

flexible, simple, reliable performance

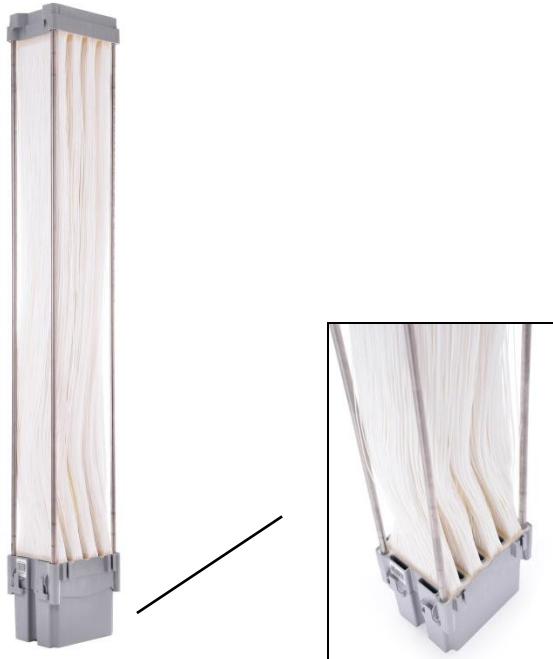


Figure 1: ZeeBlok 500S Immersed Ultrafiltration (UF)

built to last

ZeeBlok (Figure 1) provides advanced membrane manufacturing techniques to create small building blocks. These building blocks, or ZeeBlok, allow quick, flexible module assembly in a number of configurations while maintaining outstanding product performance and quality.

At its core, ZeeBlok uses the ZeeWeed* 500 UF PVDF fiber which provides strength, reliability and efficiency for your application. The strength of the ZeeWeed fiber has demonstrated 10 year+ life in operating systems. Additionally, the ZeeWeed fiber is robust with >350 tensile strength vs. typical 10N tensile strength for standard PVDF unsupported products.

features & benefits

ZeeBlok offers features and benefits that make it the right choice for many applications:

- Demonstrated to operate at 1.5 to 2.5 times the flow rate of similar products
- Unmatched fiber ruggedness ensures longer membrane life
- “Self-healing” fibers eliminate catastrophic membrane failures
- Compact design minimizes land acquisition and construction costs
- Proven system performance in hundreds of municipal and industrial applications provides you with peace of mind

typical applications

non-SUEZ membrane upgrades

Optimize Performance – ZeeBlok 500S reduces cleaning frequency and improves quantity of water produced per ft² membrane:

- Demonstrated to operate at 1.5 to 2.5 times the flow rate of similar products
- Features doubled-ended permeation that provides high permeability per module

Upgrade Unsupported System Quickly – ZeeBlok 500S can be delivered quickly and the cassettes easily installed for an efficient plant upgrade

- With the world’s largest UF membrane manufacturing capability, SUEZ delivers quickly anywhere on the globe
- ZB500S cassettes are designed to install in MBR tanks in a matter hours with minimal or no connection changes and no support or crane changes

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on “Contact Us.”

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upgrade older ZeeWeed 500 products

Convert a ZW500AB to ZB500S-A easily – switch to the latest SUEZ MBR membrane and improve performance without making any other system modifications

- ZB500S-A was designed to fit directly into an existing ZW500AB cassette
- ZB500S-A offers 600 ft² surface area and high permeability for improved performance and effluent quality

apply membranes to very small systems

Perfect for small flows – ZeeBlok 500S modules can be used individually in systems that treat very low flow rates.

- The self-supported module requires minimal support in a tank, making it easy to install. It can be treating flow in a matter of hours.
- ZB500S modules can be used as single-module cassettes or joined together in groups up to four to make mini-cassettes for small systems.

convert a conventional system to MBR

Convert to MBR in Existing Footprint, no matter the configuration – increase flow per ft² membrane installed in your system and achieve high effluent quality with MBR

- Highly flexible ZeeBlok product family cassette designs allow for maximizing existing tank space for treatment
- MBR offers a 100% barrier for solids retention



Figure 2: ZeeBlok 500S-A Immersed Ultrafiltration (UF)

contact us

If you would like to know how SUEZ can solve your water treatment needs, contact your local SUEZ representative or visit us at our website.