



clearBLOX™

SiC DRINKING WATER FILTRATION

SiC is silicon carbide used for ultrafiltration in drinking water.

It is simply just sand. It is compressed and fired at high temperatures to create a ceramic plate. These SiC robust plates are the evolution of sand filtration, providing smaller footprint and pore size, along with durable long life. Significantly longer life than polymeric membranes historically used for 0.1 micron ultra filtration.

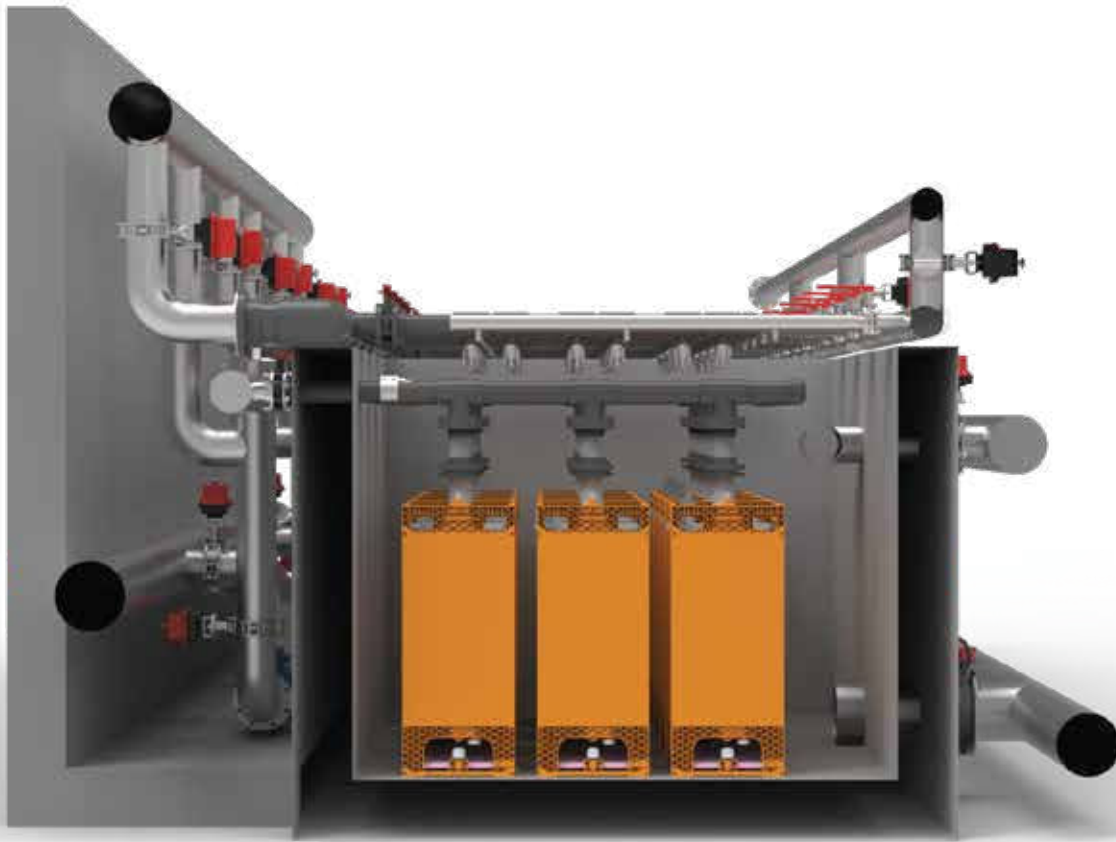
With rapidly aging infrastructure, SiC | BLOX systems are perfectly suited for upgrading/retrofitting conventional gravity filter plants, and other applications, to meet current drinking water demands.

SIC | DRINKING WATER BENEFITS :

- Smallest footprint
- Retrofit gravity filters
- Eliminate fiber pinning and repair
- Eliminate lengthy CIPs, clean easily and quickly
- Lowest SDI for RO pre-treatment
- Tolerates turbidity spikes
- Heavy metals removal

APPLICATIONS / MARKETS:

- Conventional gravity filter retrofit
- Polymeric membrane retrofit
- Surface water and groundwater filtration
- Pre-treatment for ion exchange, activated carbon, reverse osmosis
- Filter backwash recovery
- Package plan systems



Certified to
NSF/ANSI 419

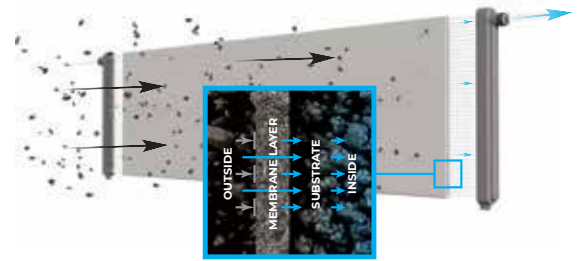
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SIC | BLOX ULTRAFILTRATION

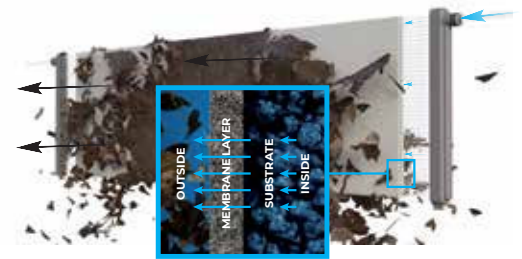
- Prevents irreversible fouling as it is naturally hydrophilic. SiC draws water in while repelling organic foulants.
- 100% recoverable after each and every clean.
- Eliminate fiber breakage and membrane peeling due to an extremely hard, monolithic plate.

100% RECOVERABILITY

With the combination of submerged operation, hydrophilic material, and high chemical resistance, SiC is easily cleaned each and every time. The ability to fully clean SiC when needed ensures stable permeability and operational performance.



FILTRATION MODE



BACKWASH MODE

HYDROPHILIC AND POROUS

SiC is naturally hydrophilic and porous allowing the membrane to operate at very high flux rates. As a result, SiC has the lowest footprint and lower construction costs compared to other technologies. This extremely high flow density also allows SiC to easily fit inside existing filter cells and increase flow capacity.

