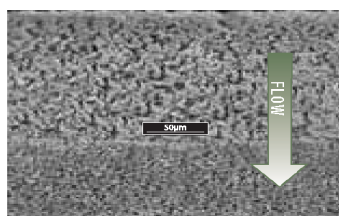
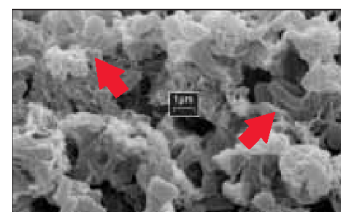


The Technology Inside the XL7000 Filtration System



BETTER WATERS XL7000 filter uses revolutionary Integrated Membrane Nylon-Membrane Bacterial Reduction Pre-Activated Carbon Technology (“IMPACT”) for superior cartridge life and economy. A single filter can accomplish what was previously the job of a three- or four-cartridge system.

The “IMPACT” media package combines a patented pharmaceutical-grade microporous membrane and a pre-activated carbon block in a single cartridge to dramatically reduce pressure drop and practically eliminate the need for pre-filtration. The integrated membrane provides superior sediment holding capabilities while reducing Cryptosporidium and Giardia cysts and over 99.99 percent of all water-borne bacteria. The polycarbonate block releases virtually no carbon fines. Pre-activation of the carbon media is not required.



Two-Zone Membrane

Large particles are captured in the top zone and smaller particles in the bottom zone of the graded density microporous nylon membrane, providing superior cartridge sediment-holding capacity.

Cartridge Throughput

Enhanced High Flow cartridges with integrated Membrane Pre-Activated Carbon Technology (“IMPACT”) show higher throughputs and longer times. In the side-to-side tests conducted with a surrogate plugging agent to a 25% loss in flow rate, a single XL7000 cartridge averaged 4.5 times the sediment holding capacity of competitive cartridges.

Surface Area

Our filters have nearly 6 times the surface area for improved sediment filtration, reduced pressure drop and longer cartridge life.

Chlorine Capacities

The high chlorine taste and odor capacities* for High Flow cartridge filters with integrated Membrane pre-Activated Carbon Technology (“IMPACT”) help ensure that a single XL7000 cartridge outperforms as many as four cartridges from our competitors.

* at an average of 96+% reduction.

Nylon-Membrane Bacterial Reduction

Testing results for cartridges filters with 10 square feet (0.93 square meters) of pleated nylon membrane challenged with 10 liters of water containing organisms at >10(5) cfu/ml.

Bacteria	Percent Reduction Achieved
E. coli	>99.9989
P. fluorescens	>99.9999

- Combined sediment, cyst, common water-borne bacteria, and scale reduction with chlorine taste and odor reduction in a single cartridge from our innovative Integrated Membrane Pre-Activated Carbon Technology (“IMPACT”) media.
- Single cartridge flow rates and capacities previously available only with two or three cartridge systems.
- Safety via FDA CFR-21 and/or NSF Standard 42 compliant materials.
- Certification to NSF Standard 53 for cyst reduction.
- Reduction of water-borne bacteria* up to 99.99%.
- No requirement for pre-activation of the media.
- No need for a separate pre-filter in most cases.
- Fast and easy cartridge change-outs and no exposure to contaminated media with SQC — Sanitary Quick Change — encapsulated cartridge design.

* Measured with E. coli (ATCC 11229)

Cartridge Cutaway

1. Rugged polypropylene design
2. Pleated membrane design helps solve cyst and bacteria protection and superior sediment holding capabilities with minimal pressure drop.
3. Carbon block technology has more than four times the chlorine taste and odor capacity of our competitor. Also features bacteria inhibition agent for improved hygiene. In the XL7000 cartridge, additional reduction capacity is assured for lead, THMs and select VOCs.
4. Enhanced pleated membrane has 4 times the surface area of our competitor.
5. Enhanced cartridges feature a 5 micron pre-filter wrap.

