

PEACEFilter Kit

Feature	Specification
Filter Medium	Polysulfone Hollow Fiber UF Membrane
Pore Size	0.1 micrometer (micron), absolute
Filter efficiency	99.9999% (6 log reduction) removal of parasites and bacteria
Flow Rate, Initial	12 gallons/hr. (45 liters/hr.) at 1.3 pounds/sq. inch (0.914 kg/sq. cm.)
Filter Life*	Several years in household use with proper maintenance.
Filter Housing	ABS, food grade
Filter Tubing	TPE, food grade
Fittings	PP, food grade
Spigot	PP, food grade
Sealing Gaskets	Silicone, food grade
Operating Temperature	5-40 Degrees, C
Storage Temperature	Above 0 degrees, C

*Filter Life may vary depending on the quality of the water and frequency of backwashing. High levels of particulate contamination can adversely affect Filter Life and Filter Flow Rate.

PEACEFilter Validation

The PEACEFilter has been validated to exceed the *United States Environmental Protection Agency Guide Standard and Protocol for Testing Microbiological Water Purifiers, Revised, April, 1987*. This testing was accomplished by an independent University laboratory which also validated the leading branded filter. The PEACEFilter removes 99.9999% (6 log reduction) of bacteria and parasites which cause disease. That includes *Escherichia coli*, *Salmonella typhosa*, *Vibrio cholera*, and parasitic species *Giardia* and *Cryptosporium*.

PEACEFilter Manufacturing and Certification

The Hollow Fiber UF Membrane Material used in the PEACEFilter is manufactured by an American supplier with numerous in-process and final product inspections and tests in place. NSF International and SGS, both internationally recognized inspection firms, certify the performance of the PEACEFilter.

The Hollow Fiber UF Membrane material is fabricated into the PEACEFilter with a complete set of quality inspections and tests including but not limited to the membrane material, membrane pore size, membrane fiber accuracy control, sealing control, and many others. Independent laboratories and government agencies inspect the finished product to exacting standards.