

United Filters International: ULTRA-D Submicron Filtration

The United Filters International ULTRA-D Submicron Filter Series are designed to provide high-performance filtration using a unique electroadhesion and ion exchange media. These filters offer a high flow rate and submicron filtration capabilities without the common high-pressure drop associated with membrane filtration. Certified to NSF/ANSI 42 and 61 standards, the ULTRA-D series filters effectively reduce a wide range of contaminants, ensuring safer and cleaner water for household and industrial use.

1. Filter Configurations and Media Options

The ULTRA-D Submicron filters are available in several configurations with different media options, each designed to target specific contaminants and water filtration needs:

- 5283 (White, blue cap): High flow rate with 0.2-micron submicron filtration. Removes viruses, bacteria, organic acids, cell debris, and endotoxins.
- 5288 (White with Silver, red cap): High flow filtration with silver additive (Agion) to prevent colonization of organisms on the filter surface.
- 5284 (White with Carbon, black cap): Includes PAC carbon for removal of chlorine, taste, odor, and humic acid.
- 5289 (White with Carbon and Silver, green cap): Combines the benefits of both PAC carbon and silver for comprehensive filtration.

2. Performance and Contaminant Reduction

The ULTRA-D filters have been shown in lab testing to reduce a broad range of contaminants, including heavy metals, chemicals, and biological contaminants:

- Lead: >95% reduction
- Ferrous Iron: >80% reduction
- Arsenic V: >95% reduction

- Cadmium: >95% reductions
- Chromium: >85% reduction
- Selenium: >75% reduction
- Mercury: >60% reduction
- Viruses: >99.99% reduction
- Bacteria (e coli, legionella, pseudomonas, etc.): >99.99% reduction
- Cysts (giardia, cryptosporidium, etc.): >99.95% reduction
- Chlorine (5284 PAC)
- Bromine (5284 PAC)
- Iodine (5284 PAC)
- VOC's (volatile organic compounds)
- PCB and BPA
- Residual pharmaceuticals
- Biofouling precursors: organic acids, proteins, and polysaccharides.

3. Special Features and ECO Configuration ULTRA-D filters are also offered in an ECO configuration with fewer pleats and a five-micron outer protective wrap. The ECO configuration provides a cost-effective alternative, ideally suited for single cartridge applications, and includes an external rinse capability to extend filter life.

4. Certifications

All ULTRA-D filter options are certified to NSF/ANSI Standards 42 and 61, ensuring compliance with material safety and performance requirements for drinking water filtration systems.

Conclusion United Filters International's ULTRA-D Submicron filters provide a high-performance filtration solution for both residential and industrial applications. With certifications to NSF/ANSI 42 and 61 and proven reduction of a wide range of contaminants, these filters offer reliable protection and cleaner water for your needs. For more information, please contact us at info@greenfieldwater.com