

UNITED FILTERS INTERNATIONAL ULTRA-D SUBMICRON FILTRATION

UFI ULTRA-D Submicron Filter Series are manufactured using a proprietary, electroadhesion and ion exchange media. This unique material makes it possible for a nonwoven media to perform comparable to ultra-membrane filtration. This avoids the inherent high clean pressure drop and low flow rates associated with membrane filtration. ULTRA-D filters are offered in two configurations with five media options.

The ECO configuration (USM-ECO) is a lower cost option, using fewer pleats with life extending, washable outer wrap. The standard option offers greater surface area but it is not washable. Both options offer the same level of performance.



Media Selection:

- **White** (blue cap): High efficiency electroadsorptive reduction of virus, bacteria, endotoxin, cysts. Flow rates comparable to 5-micron polyester or polypropylene barrier filters.
- **White/Agion Silver** (red cap): Inhibits growth and colonization of microorganisms on upstream media surface.
- **White/Activated Carbon** (black cap): reduces chlorine, endocrine inhibitors. Ibuprofen trace hydrocarbons, and natural organic materials.
- **White/Agion Silver/Activated Carbon** (green cap): combines properties of White, Agion, and Activated Carbon within a single filter.
- **White High Flow** (yellow cap) offers larger pore size to increase capacity for colloid, particulate and organic acid loading.

All Ultra-D Media is compliant with NSF/ANSI 42/61.

Filter Test Summary:

- Viruses & Bacteria >99.99%
- Arsenic, Cadmium, Chromium, Lead, Silver >90%
- Iron, Mercury, Selenium > 84%

Nomenclature				
Type	Length	O.D.	Media	End Config.
USM	10"	2.5"	5283=White	DOE
USM-ECO	20"	4.5"	5288=Silver	222/FLAT
	30"		5284=Carbon	SOE
	40"		5289=Carbon /Silver	22/FIN

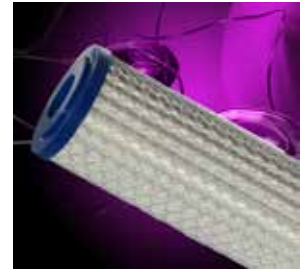
California, p 818.504.9471 f 818.252.7476
info@unitedfilters.com

Texas, p 806.373.8386 f 806.371.7786
orders@unitedfilters.com

The ULTRA-D submicron Depth Filtration Series

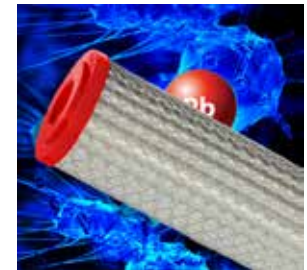
USM/USM-ECO5283 White (blue cap)

These filters incorporate a non-woven electroadsorptive, nanofiber technology that reduces or removes pathogens, heavy metals and organic/inorganic chemicals.



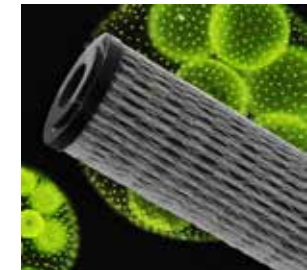
USM/USM-ECO5288 White w/Silver (red cap)

ULTRA-D has the same features as the white (5283) with benefits of adding silver. Inhibits the growth and colonization of microorganisms in and on the surface. Agion is approved to the NSF 42/61.



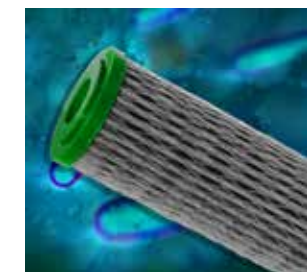
USM/USM-ECO5284 Carbon (black cap)

ULTRA-D with PAC (Carbon) additive: Powdered-activate carbon offers extremely high pore size to weight ratio that produces high dynamic absorption within the Ultra-D PAC cartridge. provides more active sites to absorb chlorine, iodine, volatile organic compound (VOC's), disinfection by products (DPB's) and organic acids from water.



USM/USM-ECO5289 Carbon w/Silver (green cap)

ULTRA-D with Powdered-activate carbon, with silver. Same benefits as the powdered activated carbon and Agion/Silver.



ULTRA-D/High Flow (yellow cap) offers a large pore volume that is not totally covered the electrostatic charge field. The large pore size reduces the media efficiency while increasing capacity for colloid, particulate and organic acid loading. This configuration is ideal for use as a pre-filter to standard ULTRA-D applications and are also used as stand-alone filters when high levels of organic contaminants.

