

# KDF/GAC CARBON FILTERS CONTAMINANT SPECTRUM & EXPECTED REDUCTION

VOLATILE ORGANIC CONTAMINANTS	Negligible	Partial (30%-80%)	Excellent (80-99%)
Dichlorodifluoromethane			
Chloromethane			
Vinylchloride			
Bromomethane			
Chloroethane			
Trichlorofluoromethane			
1,1-Dichloroethene			
Methylene Chloride			
trans-1,2-Dichloroethene			
MTBE			
1,1-Dichloroethane			
cis-1,2-Dichloroethene			
2,2-Dichloropropane			
Bromochloromethane			
Chloroform			
Carbon Tetrachloride			
1,1,1-Trichloroethane			
1,1-Dichloropropene			
Benzene			
1,2-Dichloroethane			
Trichloroethene			
Dibromomethane			
1,2-Dichloropropane			
Bromodichloromethane			
cis-1,3-Dichloropropene			
Toluene			
trans-1,3-Dichloropropene			
Tetrachloroethene			
1,1,2-Trichloroethane			
Chlorodibromomethane			
1,3-Dichloropropane			
Ethylbenzene			
Chlorobenzene			
1,1,1,2-Tetrachloroethane			
m-Xylene			
o-Xylene			
Styrene			
Bromoform			

VOLATILE ORGANIC CONTAMINANTS	Negligible	Partial (30%-80%)	Excellent (80-99%)
Isopropylbenzene			
n-Propylbenzene			
Bromobenzene			
1,1,2,2-Tetrachloroethane			
1,3,5-Trimethylbenzene			
2-Chlorotoluene			
1,2,3-Trichloropropane			
Dichlorodifluoromethane			
Chloromethane			
Vinylchloride			
Bromomethane			
Chloroethane			
Trichlorofluoromethane			
1,1-Dichloroethene			
Methylene Chloride			
trans-1,2-Dichloroethene			
4-Chlorotoluene			
tert-Butylbenzene			
1,2,4-Trimethylbenzene			
sec-Butylbenzene			
4-Isopropyltoluene			
1,3-Dichlorobenzene			
1,4-Dichlorobenzene			
n-Butylbenzene			
1,2-Dichlorobenzene			
Hexachlorobutadiene			
1,2,4-Trichlorobenzene			
Naphthalene			
1,2,3-Trichlorobenzene			

HEAVY METAL CONTAMINANTS	Negligible	Partial (30%-80%)	Excellent (80-99%)
Aluminum			
Antimony			
Arsenic			
Bismuth			
Cadmium			
Chromium VI			
Chromium III			
Copper			
Iron**			
Lead*			
Manganese**			
Mercury			
Nickel			

\* If pH is higher than typical, above 7.5, it is recommended the UC-200 Pre-Filter Accessory be installed with 0.5 Micron Filter Sediment Cartridge for Lead Treatment. Pre-Filter Add On is Complimentary \*\* If Present in Municipal Water, Install Pre-Filter Accessory + 20 Micron Sediment Cartridge (standard size) To Prevent Oxidized Iron/Manganese Particulate from Plugging UC-200. Pre-Filter Add On is Complimentary

PESTICIDE CONTAMINANTS	Negligible	Partial (30%-80%)	Excellent (80-99%)
4,4'-DDD			
4,4'-DDE			
4,4'-DDT			
Alachlor			
Aldrin			
Alpha-BHC			
Ametryn			
Atraton			
Atrazine			
Beta-BHC			
Bromacil			
Carbofuran			
Chlordane			
Chlorneb			
Chlorobenzilate			
Chlorothalonil			
Chlorprophane			
Chlorpyrifos			
Cyanizene			
Delta-BHC			
Dichlorvos			
Dieldrin			
Diphenamid			
Disulfoton			
Endosulfan Sulfate			
Endrin			
Endrin Aldehyde			
Endrin Ketone			
Endosulfan I			
Endosulfan II			
Ethoprop			
Fenamiphos			
Fenarimol			
Fluoridone			
Gamma-BHC (Lindane)			
Glyphosate			
Heptachlor			
Heptachlor Epoxide			
Methoxychlor			
Molinate			
PCB's			
Prometron			
Simazine			
Toxaphene			

VOLATILE ORGANIC CONTAMINANTS	Negligible	Partial (30%-80%)	Excellent (80-99%)
Acenaphthylene Anthracene Benz[a]anthracene Benzo[b]fluoranthene Benzo[k]fluoranthene Benzo[a]pyrene Benzo[g,h,i]perylene Butylbenzylphthalate Carboxin 2-Chlorobiphenyl Chrysene Cycloate Dacthal (DCPA) Diazinon Dibenz[a,h]anthracene Di-n-Butylphthalate 2,3-Dichlorobiphenyl Diethylphthalate Di(2-ethylhexyl)adipate Di(2-ethylhexyl)phthalate Dimethylphthalate EPTC Fluorene 2,2', 3,3', 4,4', 6- Heptachlorobiphenyl Hexachlorobenzene 2,2', 4,4', 5,6'-Hexachlorobiphenyl Hexachlorocyclohexane, alpha Hexachlorocyclohexane, beta Hexachlorocyclohexane, delta Hexachlorocyclopentadiene Hexazinone Indeno[1,2,3,c,d]pyrene Isophorone Merphos Methyl Paraoxon Norflurazon 2,2', 3,3', 4,5', 6,6'- Octachlorobiphenyl Pebulate 2,2', 3', 4,6'-Pentachlorobiphenyl Pentachlorophenol Phenanthrene cis-Permethrin trans-Permethrin Prometon Prometryn			

<b>VOLATILE ORGANIC CONTAMINANTS</b>	<b>Negligible</b>	<b>Partial (30%-80%)</b>	<b>Excellent (80-99%)</b>
Pronamide			
Propachlor			
Propazine			
Triademefon			
2,4,5-Trichlorobiphenyl			
Tricyclazole			
Trifluralin			
Vernolate			

<b>DISINFECTANT/INORGANIC NON-METALLIC CONTAMINTS</b>	<b>Negligible</b>	<b>Partial (30%-80%)</b>	<b>Excellent (80-99%)</b>
Chloramines*			
Free Chlorine			
Chloride			
Sodium Fluoride			
Hexafluorosilicate			
Fluorosilic Acid			
Nitrates			
Nitrites			

\* For Chloramine Treated Water is recommended that you select a CuZn KDF/GAC that is listed as "Chloramine Wide Spectrum" as the media package and capacity have been adapted for the presence of Chloramine disinfectant

<b>HERBICIDE CONTAMINANTS</b>	<b>Negligible</b>	<b>Partial (30%-80%)</b>	<b>Excellent (80-99%)</b>
Dalapon			
Dicamba			
Dinosep			
Dichlorporp			
2,4-D			
Pentachlorophenol			
Picoram			
2,4,5-T			
2,4,5-TP (Silvex)			
2,4-DB			
Bentazom			
DCPA			
Quinclorac			
Aciflurfen			

PHARMACEUTICAL CONTAMINANTS	Neglible	Partial (30%-80%)	Excellent (80-99%)
Acetaminofen			
Caffeine			
Carbamazepine			
Ciprofloxacin HCl			
Erythromycin USP			
Sulfamethoxazole			
Trimethoprim			
Bisphenol A			
Diclofenac Sodium			
4-para-Nonylphenol			
4-tert-Octylphenol			
Primidone			
Progestrone			
Gemfibrozil			
Ibuprofen			
Naproxen Sodium			

MICROBIOLOGICAL CONTAMINANTS	Neglible	Partial (30%-80%)	Excellent (80-99%)
TOTAL BACTERIA*			
GIARDIA**			
CRYPTOSPORIDIUM**			

\*99.9999% REDUCTION OF TOTAL BACTERIA IS REQUIRED TO MEET STERILIZATION CERTIFICATION STANDARDS | SYSTEM MAY PASS UNDER CERTAIN CONDITIONS BUT WE DO NOT EXPECT THAT. IT IS RECOMMENDED THAT SYSTEM BE LABELED AS FOR USE ON MICROBIOLOGICALLY SAFE WATER SUPPLIES | SYSTEM IS BACTERIOSTATIC, MEANING THAT NOW BACTERIA, MOLD OR ALGAE GROWTH WILL NOT OCCUR WITHIN THE FILTER \*\* Adding 0.5 Micron Pre-filter Cartridge to a KDF/GAC Filter is recommended to ensure complete removal of Cyst if that is an issue with the water supply