

COLLATED RESULTS FROM INDEPENDENT TESTING TO NSF 42 AND NSF 53 STANDARDS.
COPIES OF THE ORIGINAL DOCUMENTATION ARE AVAILABLE ON APPLICATION.

Summary of chemical removal testing results for Pure Hydration MAD filters.



Chemical removal testing results for Pure Hydration MAD filters.

These test results were achieved during testing to U.S. NSF/ANSI standards conducted by an independent laboratory in the United States which is accredited in accordance with National Environmental Laboratory Accreditation Conference (NELAC) standards, and which is registered with the US Environmental Protection Agency (EPA).

Metal and Chemical Element Contaminants

<i>Water Contaminant Tested</i>	<i>Influent Water Concentration in µg/L</i>	<i>Filter Module Effluent Concentration in µg/L</i>	<i>% Reduction</i>
Antimony	6.1	<0.5	99.9+
Arsenic (+3 and +5)	50.0	<0.5	99.9+
Beryllium	50.1	<0.5	99.9+
Bismuth	50.1	<0.5	99.9+
Cadmium	30.1	<0.5	99.9+
Chromium (+3 and +6)	302	2.6	99.1
Copper	3080	5.2	99.8
Iron	3060	101	96.7
Lead	150	4.14	97.2
Manganese	1060	150	85.8
Mercury	6.1	<0.5	99.9+
Nickel	104	<0.5	99.9+
Selenium	102	<0.5	99.9+
Zinc	110	21.1	80.8

Pesticide Contaminants

<i>Water Contaminant Tested</i>	<i>Influent Water Concentration in µg/L</i>	<i>Filter Module Effluent Concentration in µg/L</i>	<i>% Reduction</i>
4,4'-DDD	50.1	<0.1	99.9+
4,4'-DDE	50.2	<0.1	99.9+
4,4'-DDT	50.1	<0.1	99.9+
Alachlor	40.2	<0.1	99.9+
Aldrin	50.2	<0.1	99.9+
Alpha-BHC	50.8	<0.1	99.9+
Ametryn	50.0	<0.1	99.9+
Atraton	50.2	<0.1	99.9+
Atrazine	10.0	<0.1	99.9+
Beta-BHC	50.9	<0.1	99.9+
Bromacil	51.2	<0.1	99.9+
Carbofuran	80.2	<0.1	99.9+
Chlordane	40.2	<0.1	99.9+
Chlorneb	51.0	<0.1	99.9+
Chlorobenzilate	49.9	<0.1	99.9+
Chlorothalonil	50.2	<0.1	99.9+
Chlorprophane	50.2	<0.1	99.9+

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Pesticide Contaminants cont.

<i>Water Contaminant Tested</i>	<i>Influent Water Concentration in µg/L</i>	<i>Filter Module Effluent Concentration in µg/L</i>	<i>% Reduction</i>
Chlorpyrifos	50.3	<0.1	99.9+
Cyanizene	50.1	<0.1	99.9+
Delta-BHC	50.7	<0.1	99.9+
Dichlorvos	50.2	<0.1	99.9+
Dieldrin	50.2	<0.1	99.9+
Diphenamid	50.2	<0.1	99.9+
Disulfoton	50.2	<0.1	99.9+
Endosulfan Sulfate	50.0	<0.1	99.9+
Endrin	6.0	<0.1	99.9+
Endrin Aldehyde	50.5	<0.1	99.9+
Endrin Ketone	50.0	<0.1	99.9+
Endosulfan I	49.8	<0.1	99.9+
Endosulfan II	50.3	<0.1	99.9+
Ethoprop	50.4	<0.1	99.9+
Fenamiphos	50.2	<0.1	99.9+
Fenarimol	50.2	<0.1	99.9+
Fluoridone	50.4	<0.1	99.9+
Gamma-BHC (Lindane)	2.0	<0.1	99.9+
Glyphosate	800	<0.1	99.9+
Heptachlor	80.0	<0.1	99.9+
Heptachlor Epoxide	4.0	<0.1	99.9+
Methoxychlor	120	<0.1	99.9+
Molinate	50.4	<0.1	99.9+
PCB's	10.1	<0.1	99.9+
Prometron	50.0	<0.1	99.9+
Simazine	12.0	<0.1	99.9+
Toxaphene	15.1	<0.1	99.9+

Volatile Organic Contaminants

<i>Water Contaminant Tested</i>	<i>Influent Water Concentration in µg/L</i>	<i>Filter Module Effluent Concentration in µg/L</i>	<i>% Reduction</i>
1,1,1,2-Tetrachloroethane	79.8	<0.5	99.9+
1,1,1-Trichloroethane	81.2	<0.5	99.9+
1,1,2,2-Tetrachloroethane	81	0.81	99
1,1,2-Trichloroethane	150.3	<0.5	99.9+
1,1-Dichlorethane	80.2	<0.5	99.9+
1,1-Dichloroethene	81	<0.5	99.9+
1,1-Dichloropropene	81.2	<0.5	99.9+
1,2,3-Trichlorobenzene	80.1	0.7	99.1
1,2,3-Trichloropropane	80.2	<0.5	99.9+
1,2,4-Trichlorobenzene	160.1	<0.5	99.9+
1,2,4-Trimethylbenzene	80.5	<0.5	99.9+
1,2-Dichlorobenzene	80.3	<0.5	99.9+
1,2-Dichloroethane	80.4	<0.5	99.9+
1,2-Dichloropropane	80.3	<0.5	99.9+
1,3,5-Trimethylbenzene	80.1	<0.5	99.9+
1,3-Dichlorobenzene	80.1	<0.5	99.9+
1,3-Dichloropropane	79.1	<0.5	99.9+

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Volatile Organic Contaminants cont.

<i>Water Contaminant Tested</i>	<i>Influent Water Concentration in µg/L</i>	<i>Filter Module Effluent Concentration in µg/L</i>	<i>% Reduction</i>
1,4-Dichlorobenzene	40.3	<0.5	99.9+
2,2-Dichloropropane	81.1	<0.5	99.9+
2-Chlorotoluene	80.2	1.03	98.7
4-Chlorotoluene	80.2	<0.5	99.9+
4-Isopropyltoluene	80.2	<0.5	99.9+
Benzene	81.4	<0.5	99.9+
Bromobenzene	80	<0.5	99.9+
Bromochloromethane	80	<0.5	99.9+
Bromodichloromethane	80.2	<0.5	99.9+
Bromoform	80.2	<0.5	99.9+
Bromomethane	80.1	<0.5	99.9+
Carbon Tetrachloride	81	<0.5	99.9+
Chlorobenzene	79.5	<0.5	99.9+
Chlorodibromomethane	80.4	<0.5	99.9+
Chloroethane	80.2	<0.5	99.9+
Chloroform	80.1	<0.5	99.9+
Chloromethane	80.1	<0.5	99.9+
cis-1,2-Dichloroethene	170.1	<0.5	99.9+
cis-1,3-Dichloropropene	50.2	<0.5	99.9+
Dibromomethane	80.1	<0.5	99.9+
Dichlorodifluoromethane	80	<0.5	99.9+
Ethylbenzene	82	<0.5	99.9+
Hexachlorobutadiene	44	<0.5	99.9+
Isopropylbenzene	80.3	<0.5	99.9+
Methylene Chloride	81.2	1.04	98.8
MTBE	81.5	1.83	97.8
m-Xylene	70.1	<0.5	99.9+
Naphthalene	80.4	1.4	98.3
n-Butylbenzene	80.2	<0.5	99.9+
n-Propylbenzene	80.2	<0.5	99.9+
o-Xylene	70.1	<0.5	99.9+
sec-Butylbenzene	80.3	<0.5	99.9+
Styrene	80	<0.5	99.9+
tert-Butylbenzene	80.2	<0.5	99.9+
Tetrachloroethene	80.1	<0.5	99.9+
Toluene	80.2	<0.5	99.9+
trans-1,2-Dichloroethene	80.5	<0.5	99.9+
trans-1,3-Dichloropropene	81	<0.5	99.9+
Trichloroethene	180.3	<0.5	99.9+
Trichlorofluoromethane	80.1	<0.5	99.9+
Vinyl chloride	80.3	<0.5	99.9+

Fluoride

<i>Water Contaminant Tested</i>	<i>Influent Water Concentration in µg/L</i>	<i>Filter Module Effluent Concentration in µg/L</i>	<i>% Reduction</i>
Sodium Fluoride	8.0	0.4	95.0