

## CERAMIC WATER PURIFIER CFI082W

### PERFORMANCE DATA SHEET

Coldstream CTO MAX Filter (CFI082W)			
Operating Pressure Range	Rated Capacity	Operating Temperature Range	Rated Flow
10psi - 125psi	3000L	5°C - 70°C	2.5L/min

KLT Filtration Ltd recommend that the Filter/Purifier is changed at least every six months. The purifier should be checked for cleaning every few weeks and cleaned according to the owner's manual.

### BACTERIA

Microbial Contaminant	Influent Challenge	Reduction (%) at 2500L	Reduction (%) at 5000L	Reduction (%) at 10000L
<i>Klebsiella terrigena</i>	1.01x10 <sup>8</sup> CFU/L	99.9998	99.9993	99.9991
<i>E. coli</i>	2.9005-2.9509x10 <sup>8</sup> CFU/L	89.4	98.4	94.9
<i>Microspheres</i>	1.09-1.1x10 <sup>6</sup> oocysts/L	>99.9	99.9	99.9

Testing performed under NSF/ANSI standards 42, 53 and P231 by IAPMO R&T Laboratory (NJ), New Jersey USA, EPA ID # NJ01298 NJ DEP ID # 03048 IAPMO ID #102, in compliance with all requirements set forth in N.J.A.C. 7:9E and N.J.A.C. 7:18. Their laboratory is in compliance with all laboratory certification, quality control procedures and requirements as set forth in N.J.A.C. 7:18; the NYCRR Subpart 55-2, the National Environmental Laboratory Accreditation Conference (NELAC) Institute Standards and the ISO 17025.

### VIRUS

Viral Contaminant	Influent Challenge	Reduction (%) at 2500L	Reduction (%) at 5000L	Reduction (%) at 10000L
Rotavirus spp.	1.1x10 <sup>7</sup> PFU/L	99.99	99.99	99.97

The purifier has been tested using a Coldstream System to NSF/ANSI standards 42, 53 and P231 for the reduction of the substances listed. The concentration reduction of substances in the water was reduced to less than or equal to the limit for water leaving the system as specified in NSF/ANSI standards 42, 53 and P231.

### HEAVY METALS

Metal Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	6000L		9000L		10000L	
			Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Aluminium	204	9000	<1	>99.5	<1	>99.5	<1	>99.5
Antimony	105	6	<0.5	>99.5	<0.5	>99.5	0.5	99.5
Arsenic (Total)	51.5	20	37.0	28.2	44.0	14.6	42.0	18.4
Barium	444.0	2000	146.0	67.1	43.1	90.3	40.0	91.0
Beryllium	6	4	<0.5	>91.7	<0.5	>91.7	1	83.3
Boron	102	400	7	93.1	8.4	91.8	9.9	90.3
Cadmium	31.0	5	12.0	61.3	8.3	73.2	7.8	74.8
Chromium	299.0	100	<1	>99.7	<1	>99.7	3.2	98.9
Copper	3076.0	1300	1413.0	54.1	896.0	70.9	855.0	72.2
Iron	4974.0	-	<10	>99.8	10.0	99.8	<10	>99.8
Lead	150.0	5	<1	>99.3	<1	>99.3	3.3	97.8
Manganese	1184.0	300	93.0	92.1	515.0	56.5	1143.0	3.5
Mercury	6.6	2	<1	>84.8	<1	>84.8	<1	>84.8



## HEAVY METALS CONT.

Metal Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	6000L		9000L		10000L	
			Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Nickel	502	100	364	27.5	340	32.3	335	33.3
Selenium	201.0	50	37.0	81.6	149.0	25.9	139.0	30.8
Silver	208	100	29.6	85.8	20.5	90.1	25.9	87.5
Thallium	6	2	<0.5	>91.7	<0.5	>91.7	0.5	91.7
Zinc	9985	3000	1504	84.9	1060	89.4	979	90.2



## CHEMICALS

Inorganic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	6000L		9000L		10000L	
			Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Chlorine (free)	1800-2100	4000	<100	>94.7	<100	>95.2	<100	>95.2
Chloramine	2700-3100	4000	200	93.1	<100	>96.3	<100	>96.8
Perchlorate	91.7-98.5	-	1	98.5	1.2	98.69	3.1	96.62

Inorganic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	500L		1000L	
				Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Fluoride	7840-8130	-	80	900	88.93	1190	85.09

Volatile Organic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	6000L		9000L		10000L	
				Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Dichlorodifluoromethane	22.01	-	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
Chloromethane	18.79	30	-	<0.1	>99.5	<0.1	>99.5	<0.1	>99.5
Vinylchloride	18.01	2	-	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
Bromomethane	16.53	10	-	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
Chloroethane	18.25	0.4	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Trichlorofluoromethane	22.62	2000	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
1,1-dichloroethene	26.83	7	>99	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
Methylene chloride	38.91	5	-	0.26	99.3	<0.1	>99.7	<0.1	>99.7
trans-1,2-dichloroethene	41.12	100	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
MTBE	75.16	-	-	35.52	52.7	47.43	36.9	54.27	27.8
1,1-dichloroethane	27.22	3	-	0.11	99.6	<0.1	>99.6	<0.1	>99.6
cis-1,2-dichloroethene	16.98	70	>99	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
2,2-dichloropropane	18.43	-	-	<0.1	>99.5	<0.1	>99.5	<0.1	>99.5
Bromochloromethane	24.32	90	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
Chloroform	312.52	80	-	80.92	74.1	98.66	68.4	137.99	55.8
Carbon tetrachloride	31.7	5	98	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
1,1,1-trichloroethane	28.85	200	95	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
1,1-dichloropropane	36.44	3	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Benzene	34.37	5	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
1,2-dichloroethane	10.88	5	>95	<0.1	>99.1	<0.1	>99.1	<0.1	>99.1
Trichloroethene	39.73	5	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Dibromomethane	33.64	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
1,2-dichloropropane	37.85	-	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Bromodichloromethane	36.96	80	-	0.2	99.5	<0.1	>99.7	<0.1	>99.7



## CHEMICALS CONT.

Volatile Organic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	6000L		9000L		10000L	
				Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
cis-1,3-dichloropropene	45.05	4	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Toluene	46.48	1000	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
trans-1,3-dichloropropene	45.11	4	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Tetrachloroethene	41.41	5	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,1,2-trichloroethane	37.15	5	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Chlorodibromomethane	38.79	80	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
1,3-dichloropropane	36.13	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Ethylbenzene	46.52	700	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Chlorobenzene	46.74	100	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,1,2-tetrachloroethane	36.45	2	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
o-xylene	39.99	10000	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Styrene	46.80	100	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Bromoform	39.67	80	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Isopropylbenzene	55.54	700	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
n-propylbenzene	45.27	200	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Bromobenzene	47.44	3	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,1,2,2-tetrachloroethane	37.85	2	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
1,3,5-trimethylbenzene	45.90	200	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
2-chlorotoluene	47.26	100	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,2,3-trichloropropane	35.36	40	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
4-chlorotoluene	47.26	100	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
tert-butylbenzene	53.95	200	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,2,4-trimethylbenzene	45.90	200	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
sec-butylbenzene	49.96	3	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
4-isopropyltoluene	53.95	3	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,3-dichlorobenzene	43.28	600	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,4-dichlorobenzene	45.71	75	>98	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
n-butylbenzene	44.53	200	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,2-dichlorobenzene	46.33	600	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Hexachlorobutadiene	47.97	-	>98	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,2,4-trichlorobenzene	53.05	70	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Naphthalene	66.60	100	-	0.03	>99.9	<0.1	>99.8	<0.1	>99.8
1,2,3-trichlorobenzene	55.07	3	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Ethylene dibromide (EDB)	38.85	0.05	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
m & p-xylene	33.51	10000	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
1,2-dibromo-3-chloropropane	39.56	0.2	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Bromoacetonitrile	51.2	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Dibromoacetonitrile	49.8	-	98	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Dichloroacetonitrile	53.5	-	98	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Trichloroacetonitrile	48.7	-	98	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,1-dichloro-2-propanone	49.6	-	99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,1,1-trichloro-2-propanone	52.4	3	96	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Total trihalomethanes	427.94	80	95	80.94	81.1	98.66	76.9	137.99	67.8
Carbon disulfide	28.54	700	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
Acrolein	24.91	-	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
Acrylonitrile	34.52	0.6	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
2-chloroethylvinylether	28.56	-	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6



## CHEMICALS CONT.

Semi-Volatile Organic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	6000L		9000L		10000L	
				Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Acenaphthylene	42.56	3	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Anthracene	37.37	3	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Benzo[a]anthracene	67.27	0.2	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Benzo[b]fluoranthene	5.90	0.2	-	<0.1	>98.3	<0.1	>98.3	<0.1	>98.3
Benzo[k]fluoranthene	15.77	-	-	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
Benzo[a]pyrene	5.90	0.2	-	<0.1	>98.3	<0.1	>98.3	<0.1	>98.3
Benzo[g,h,i]perylene	32.21	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Butylbenzylphthalate	30.36	1000	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Chrysene	24.37	3	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
Cycloate	163.86	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Dibenzo[a,h]anthracene	63.24	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Di-n-butylphthalate	39.75	700	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Diethylphthalate	60.21	6000	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Di(2-ethylhexyl)adipate	17.46	6	-	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
Di(2-ethylhexyl)phthalate	17.46	6	-	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
Dimethylphthalate	59.14	50	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
EPTC	11.43	-	-	<0.1	>99.1	<0.1	>99.1	<0.1	>99.1
Fluorene	53.03	300	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Hexachlorobenzene	54.03	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Isophorone	38.08	400	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Norflurazon	100.68	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Pebulate	11.43	-	-	<0.1	>99.1	<0.1	>99.1	<0.1	>99.1
Phenanthrene	42.05	3	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Pronamide (Propyzamide)	65.42	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Propazine	110.82	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Triademefon	60.41	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Vernolate	11.43	-	-	<0.1	>99.1	<0.1	>99.1	<0.1	>99.1
N-nitrosodimethylamine	40.02	0.007	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Phenol	38.1	2000	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Bis(2-chloroethyl)ether	28.05	0.3	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
2-chlorophenol	42.5	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,3-dichlorobenzene	41.8	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,4-dichlorobenzene	42.8	75	>98	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,2-dichlorobenzene	38.7	600	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
2,2-dybis (1-chloropropane)	50.4	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Hexachloroethane	48.5	9	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
N-nitroso-di-n-propylamine	51.24	0.05	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Nitrobenzene	50.55	10	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
2-nitrophenol	48.67	3	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
2,2-dimethylphenol	55.02	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Bis(2-chloroethoxy)methane	52.45	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
2,4-dichlorophenol	54.68	50	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
1,2,4-trichlorobenzene	82.54	70	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Naphthalene	11.43	400	-	<0.1	>99.1	<0.1	>99.1	<0.1	>99.1
Hexachlorobutadiene	42.85	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
4-chloro-3-methylphenol	41.56	700	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
2,4,6-trichlorophenol	50.54	5	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8



## CHEMICALS CONT.

Semi-Volatile Organic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	6000L		9000L		10000L	
				Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
2-chloronaphthalene	47.56	600	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
2,6-dinitrotoluene	54.10	0.5	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Acenaphthene	24.9	0.5	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
2,4-dinitrophenol	45.68	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
2,4-dinitrotoluene	71.95	0.5	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
4-nitrotoluene	60.54	0.5	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
4-chlorophenyl phenyl ether	34.79	3	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Dinitro-o-cresol	98.21	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Diphenylamine	39.75	200	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
4-bromophenyl phenyl ether	36.58	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Hexachlorobenzene	43.69	1	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Fluoranthene	38.26	3	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Pyrene	42.63	3	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Di-n-octyl phthalate	17.46	-	-	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
Indeno(1,2,3-cd)pyrene	19.25	-	-	<0.1	>99.5	<0.1	>99.5	<0.1	>99.5



## PESTICIDES & HERBICIDES

Pesticide/Herbicide Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	6000L		9000L		10000L	
				Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Alachlor	53.03	2	>98	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Aldrin	35.42	0.7	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Alpha-BHC	141.31	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Ametryn	60.54	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Atraton	64.89	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Atrazine	17.46	3	>97	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
Beta-BHC	80.19	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Bromacil	36.58	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Carbofuran	98.9	40	>99	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Chlorneb	97.8	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Chlorothalonil	98.7	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Chlorprophane	99.5	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Chlorpyrifos	94.6	90	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Cyanazine	43.69	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Delta-BHC	82.43	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Dichlorvos	95.3	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Dieldrin	206.54	0.7	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Diphenamid	8.66	-	-	<0.1	>98.8	<0.1	>98.8	<0.1	>98.8
Disulfoton	96.8	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Endosulfan sulfate	25.64	-	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
Endrin	32.21	2	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Endrin aldehyde	32.21	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Endrin ketone	32.21	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Endosulfan I	99.40	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Endosulfan II	32.45	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Ethoprop	96.3	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Fenamiphos	94.8	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Fenarimol	30.30	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Fluoridone	97.8	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9



## PESTICIDES & HERBICIDES CONT.

Pesticide/Herbicide Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	6000L		9000L		10000L	
				Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Тоxaphene	15.2	70	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Dicamba	150.1	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Dinoseb	50.3	7	>99	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Dichlorprop	150.3	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
2,4-D	50.1	70	>98	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Pentachlorophenol	22.3	1	>99	<0.1	>99.6	<0.1	>99.6	0.5	97.8
2,4,5-T	150.6	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
2,4,5-TP (Silver)	20.2	50	>99	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
2,4-DB	30.1	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Bentazon	40.5	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
DCPA	42.5	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Quinclorac	41.8	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Acifluoren	42.3	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Metribuzin	51.2	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Metolachlor	50.3	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Butylate	44.3	-	-	<0.1	>99.8	<0.1	>99.8	2.46	94.4
Trans-chlordane (Nonachlor)	51.5	2	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Butachlor	50.3	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Cis-chlordane	50.8	2	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
p,p-DDE	56.2	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
p,p-DDD	44.2	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
p,p-DDT	60.5	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
PCBs	10.1	0.5	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Hexachlorocyclopentadiene	54.9	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Chloramben	30.5	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Picloram	41.2	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Glyphosate	804.2	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Gamma-BHC (Lindane)	90.46	0.2	>99	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Heptachlor	49.83	0.4	>99	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Heptachlor epoxide	51.89	0.2	>98	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Methoxychlor	10.69	40	>99	<0.1	>99.1	<0.1	>99.1	<0.1	>99.1
Molinate	70.55	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
PCBs	96.8	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Prometryn	34.79	-	-	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Propachlor	48.67	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Simazine	5.9	4	>97	<0.1	>98.3	<0.1	>98.3	<0.1	>98.3
Тоxaphene	95.8	3	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Dalapon	51.56	-	-	<0.01	>99.9	<0.01	>99.9	0.01	>99.9
Dicamba	53.30	120	-	<0.01	>99.9	<0.01	>99.9	<0.01	>99.9
3,5-dichlorobenzoic	51.00	-	-	<0.01	>99.9	<0.01	>99.9	<0.01	>99.9
Dinoseb	55.07	7	>99	0.16	99.7	0.12	99.8	0.11	99.8
Dichlorprop	54.83	-	-	0.01	>99.9	<0.01	>99.9	<0.01	>99.9
2,4-D	54.09	70	>98	<0.01	>99.9	<0.01	>99.9	<0.01	>99.9
Pentachlorophenol	52.35	1	>99	<0.01	>99.9	<0.01	>99.9	<0.01	>99.9
Picloram	65.81	190	-	0.04	99.9	<0.01	>99.9	<0.01	>99.9
2,4,5-T	54.00	-	-	0.02	>99.9	0.05	99.9	0.03	99.9
2,4,5-TP (Silver)	54.30	50	>99	<0.01	>99.9	<0.01	>99.9	<0.01	>99.9
2,4-DB	50.00	-	-	1.78	96.4	1.31	97.4	1.43	97.1



## PESTICIDES & HERBICIDES CONT.

Pesticide/Herbicide Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	6000L		9000L		10000L	
				Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Dacthal (DCPA)	58.27	-	-	0.57	99.0	0.45	99.2	0.41	99.3
Quinclorac	54.78	-	-	<0.01	>99.9	<0.01	>99.9	<0.01	>99.9
Acifluoren	52.35	-	-	<0.01	>99.9	<0.01	>99.9	<0.01	>99.9
Metribuzin	20.23	80	-	<0.1	>99.5	<0.1	>99.5	<0.1	>99.5
Metolachlor	15.77	50	-	<0.1	>99.4	<0.1	>99.4	<0.1	>99.4
Butylate	5.9	-	-	<0.1	>98.3	<0.1	>98.3	<0.1	>98.3
Trans-chlordane (Nonachlor)	73.83	2	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Butachlor	62.55	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Cis-chlordane	62.47	2	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
p,p-DDE (4,4-DDE)	68.77	1	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
p,p-DDD (4,4-DDD)	19.25	1	-	<0.1	>99.5	<0.1	>99.5	<0.1	>99.5
p,p-DDT (4,4-DDT)	101.3	1	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Hexachlorocyclopentadiene	30.32	50	>99	<0.1	>99.7	<0.1	>99.7	<0.1	>99.7
Chloramben	54.08	-	-	0.60	99.0	0.51	99.1	0.50	99.1
Glyphosate	804.2	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
BHT	22.36	-	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
DEET	55.02	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
Terbacil	24.90	-	-	<0.1	>99.6	<0.1	>99.6	<0.1	>99.6
Vinclozolin	124.80	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Terbutryn	98.21	-	-	<0.1	>99.9	<0.1	>99.9	<0.1	>99.9
Оxyfluorfen	63.24	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8
2,4-dichlorophenyl 4-nitrophenyl ether (Nitrofen)	52.36	-	-	<0.1	>99.8	<0.1	>99.8	<0.1	>99.8



## PHARMACEUTICALS

Pharmaceutical Contaminant	Influent Challenge (ng/L)	Allowable Concentration (ng/L)	6000L		9000L		10000L	
			Effluent Concentration (ng/L)	Reduction (%)	Effluent Concentration (ng/L)	Reduction (%)	Effluent Concentration (ng/L)	Reduction (%)
Bisphenol A	2133.4	100	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Ibuprofen	348	-	<0.01	>99.99	19.5	94.4	5.7	98.36
Trimethoprim	128	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Naproxen	162.9	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Acetaminophen	32	-	<0.01	>99.97	<0.01	>99.97	<0.01	>99.97
Ciprofloxacin	57	-	<0.01	>99.98	<0.01	>99.98	<0.01	>99.98
Sulfamethoxazole	1.98	-	<0.01	>99.49	<0.01	>99.49	<0.01	>99.49
17-beta-Estradiol	2	-	<0.01	>99.5	<0.01	>99.5	<0.01	>99.5
Caffeine	820	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Fluoxetine	1.91	-	<0.01	>99.48	<0.01	>99.48	<0.01	>99.48
Gemfibrozil	1.94	-	<0.01	>99.48	<0.01	>99.48	<0.01	>99.48
Triclosan	1.24	300	<0.01	>99.19	<0.01	>99.19	<0.01	>99.19
Estrone	151.3	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Diclofenac Sodium	1.9	-	<0.01	>99.47	<0.01	>99.47	<0.01	>99.47
Primidone	1.99	-	<0.01	>99.5	<0.01	>99.5	<0.01	>99.5
Carbamazepine	1587	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99



## PHARMACEUTICALS CONT.

Pharmaceutical Contaminant	Influent Challenge (ng/L)	Allowable Concentration (ng/L)	6000L		9000L		10000L	
			Effluent Concentration (ng/L)	Reduction (%)	Effluent Concentration (ng/L)	Reduction (%)	Effluent Concentration (ng/L)	Reduction (%)
Primidone	1.99	-	<0.01	>99.5	<0.01	>99.5	<0.01	>99.5
Carbamazepine	1587	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Testosterone	560	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Progesterone	2.08	-	<0.01	>99.52	<0.01	>99.52	<0.01	>99.52
4-tert-Octylphenol	2.04	-	<0.01	>99.51	<0.01	>99.51	<0.01	>99.51
17-alpha-Ethinylestradiol	2.14	-	<0.01	>99.53	<0.01	>99.53	<0.01	>99.53
4-para-Nonylphenol	2.3	70	<0.01	>99.57	<0.01	>99.57	<0.01	>99.57
Phenytoin	185.7	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Nonylphenol	1438.3	-	<0.01	>99.99	44.9	96.88	172	98.8
DEET	1425	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Metolachlor	1457	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
TCEP	4922	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Linuron	120	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Meprobamate	377	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Estradiol	230	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
TCPP	5104	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99
Atenolol	197	-	<0.01	>99.99	<0.01	>99.99	<0.01	>99.99

## EMERGING CONTAMINANTS

Pharmaceutical Contaminant	Influent Challenge (µg/L)	6000L		9000L		10000L	
		Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
PFOA	0.45-0.47	<0.01	>97.78	0.01	99.87	0.04	91.49
PFOS	1.07-1.30	<0.01	>99.19	0.03	97.20	0.02	98.13
PFBS	0.09-0.42	<0.01	>88.89	<0.01	>97.62	<0.01	>97.62
PFBA	0.08-0.16	<0.01	>90.00	0.01	93.75	0.02	87.50
EPFB	0.09-0.26	<0.01	>88.89	<0.01	>96.15	0.02	92.31
PFNA	0.23-0.25	<0.01	>95.65	<0.01	>95.83	<0.01	>95.83
PHHA	0.19-0.28	<0.01	>94.74	<0.01	>95.24	<0.01	>95.24
Gen X	0.12-0.17	0.05	70.59	0.02	88.24	0.03	82.35
NFBS	0.10-0.16	<0.01	>93.75	0.04	75.00	0.02	87.50

## HALOACETIC ACID (HAA5) CONTAMINANTS

Pharmaceutical Contaminant	Influent Challenge (µg/L)	6000L		9000L		10000L	
		Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)	Effluent Concentration (µg/L)	Reduction (%)
Monochloroacetic Acid	19.5-67.1	0.7	98.8	0.1	99.5	0.2	99.6
Dichloroacetic Acid	26.0-80.7	0.7	98.6	0.1	99.9	0.1	99.9
Trichloroacetic Acid	16.3-60.9	0.6	98.8	0.1	99.8	0.1	99.8
Monobromoacetic Acid	26.2-53.1	0.5	99.0	0.1	99.6	<0.1	>99.6
Bromochloroacetic Acid	21.8-51.3	0.6	98.8	0.1	99.8	0.1	99.8



## PARTICLES

99.9% removal of particle reduction class 1, including microplastics.



## TESTING INFORMATION



Purifier is only to be used with cold water.



Purifier usage must comply with all state and local laws.



Testing was performed under standard laboratory conditions, actual performance may vary.



Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.



See owner's manual for general installation conditions and needs, plus manufacturer's limited warranty.



This water purifier is not intended to convert waste water or raw sewage into drinking water.

- All contaminants reduced by this purifier are listed.
- Not all contaminants listed may be present in your water.

### *IAPMO R&T Laboratory (NJ)*

Independently Tested and Certified  
by IAPMO R&T Laboratory (NJ)

Coldstream® Filters are independently tested and certified to the following:  
NSF/ANSI 42 Aesthetic Effects  
NSF/ANSI 53 Health Effects  
NSF - P231 Microbiological Water Purifiers  
See KLT Filtration Ltd lab reports for more detail

**GOLD SEAL CERTIFIED**

Wrekin Water



Manufactured by: KLT Filtration Ltd, Estuary Road, King's Lynn, Norfolk, PE30 2HS, UK.

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