

CERAMIC WATER FILTER CF108W

PERFORMANCE DATA SHEET

Coldstream CTO Plus Filter (CF108W)			
Operating Pressure Range	Rated Capacity	Operating Temperature Range	Rated Flow
10psi – 125psi	4000L	5°C – 70°C	2.5L/min
KLT Filtration Ltd recommend that the Filter/Purifier is changed at least every six months. The filter should be checked for cleaning every few weeks and cleaned according to the owner's manual.			

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.

BACTERIA

Microbial Contaminant	Influent Challenge	Reduction Requirement (%)	Reduction (%) at 4500L
<i>Klebsiella terrigena</i>	1.228128x10 ⁹ CFU/L	99.9999	99.9999
Microspheres	1.105220x10 ⁹ oocysts/L	99.9	99.9

The filter 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)	4000L	
			Effluent Concentration (µg/L)	Reduction (%)
Aluminium	204	9000	<1	>99.5
Antimony	105	6	<0.5	>99.5
Arsenic (Total)	51.5	20	37.0	28.2
Barium	444.0	2000	139.0	68.7
Beryllium	6	4	<0.5	>91.7
Boron	102	400	6	94.1
Cadmium	31.0	5	12.8	58.7
Chromium	299.0	100	<1	>99.7
Copper	3076.0	1300	399.0	87.0
Iron	4974.0	-	<10	>99.8
Lead	150.0	5	<1	>99.3
Manganese	1184.0	300	142.0	88.0
Mercury	6.6	2	<1	>84.8
Nickel	502	100	380	24.3
Selenium	201.0	50	37.0	81.6
Silver	208	100	32.7	84.3
Thallium	6	2	<0.5	>91.7
Zinc	9985	3000	1810	81.9

Arsenic reduction: This filter has been tested for the treatment of water containing pentavalent arsenic (also known as As(V), As(5+)) or arsenate (also known as As(3+)) at concentrations of 0.3 mg/L. This system reduces pentavalent arsenic, but may not reduce other forms of arsenic. This system is to be used on water supplies containing detectable free chlorine or on water supplies that have been demonstrated to contain only a pentavalent arsenic. Treatment with chloramine (combined chlorine) is not sufficient to ensure complete conversion of trivalent arsenic to pentavalent arsenic.



Inorganic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	4000L	
			Effluent Concentration (µg/L)	Reduction (%)
Chlorine (free)	1800-2100	4000	<100	>94.7
Chloramine	2700-3100	4000	<100	>96.8

Volatile Organic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	4000L	
				Effluent Concentration (µg/L)	Reduction (%)
Dichlorodifluoromethane	22.01	-	-	<0.1	>99.6
Chloromethane	18.79	30	-	<0.1	>99.5
Vinylchloride	18.01	2	-	<0.1	>99.4
Bromomethane	16.53	10	-	<0.1	>99.4
Chloroethane	18.25	0.4	-	<0.1	>99.9
Trichlorofluoromethane	22.62	2000	-	<0.1	>99.6
1,1-dichloroethene	26.83	7	>99	<0.1	>99.6
Methylene chloride	38.91	5	-	<0.1	>99.7
trans-1,2-dichloroethene	41.12	100	>99	<0.1	>99.8
MTBE	75.16	-	-	48.87	35.0
1,1-dichloroethane	27.22	3	-	<0.1	>99.6
cis-1,2-dichloroethene	16.98	70	>99	<0.1	>99.4
2,2-dichloropropane	18.43	-	-	<0.1	>99.5
Bromochloromethane	24.32	90	-	<0.1	>99.6
Chloroform	312.52	80	-	34.74	88.9
Carbon tetrachloride	31.7	5	98	<0.1	>99.7
1,1,1-trichloroethane	28.85	200	95	<0.1	>99.7
1,1-dichloropropane	36.44	3	-	<0.1	>99.7
Benzene	34.37	5	>99	<0.1	>99.7
1,2-dichloroethane	10.88	5	>95	<0.1	>99.1
Trichloroethene	39.73	5	>99	<0.1	>99.7
Dibromomethane	33.64	-	-	<0.1	>99.7
1,2-dichloropropane	37.85	-	>99	<0.1	>99.7
Bromodichloromethane	36.96	80	-	<0.1	>99.7
cis-1,3-dichloropropene	45.05	4	-	<0.1	>99.8
Toluene	46.48	1000	>99	<0.1	>99.8
trans-1,3-dichloropropene	45.11	4	-	<0.1	>99.8
Tetrachloroethene	41.41	5	>99	<0.1	>99.8
1,1,2-trichloroethane	37.15	5	>99	<0.1	>99.7
Chlorodibromomethane	38.79	80	-	<0.1	>99.7
1,3-dichloropropane	36.13	-	-	<0.1	>99.7
Ethylbenzene	46.52	700	>99	<0.1	>99.8
Chlorobenzene	46.74	100	>99	<0.1	>99.8
1,1,1,2-tetrachloroethane	36.45	2	>99	<0.1	>99.7
o-xylene	39.99	10000	>99	<0.1	>99.7
Styrene	46.80	100	>99	<0.1	>99.8
Bromoform	39.67	80	-	<0.1	>99.7
Isopropylbenzene	55.54	700	-	<0.1	>99.8
n-propylbenzene	45.27	200	-	<0.1	>99.8
Bromobenzene	47.44	3	-	<0.1	>99.8
1,1,2,2-tetrachloroethane	37.85	2	>99	<0.1	>99.7
1,3,5-trimethylbenzene	45.90	200	-	<0.1	>99.8
2-chlorotoluene	47.26	100	-	<0.1	>99.8
1,2,3-trichloropropane	35.36	40	-	<0.1	>99.7
4-chlorotoluene	47.26	100	-	<0.1	>99.8
tert-butylbenzene	53.95	200	-	<0.1	>99.8



CHEMICALS CONT.

Volatile Organic Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	4000L	
				Effluent Concentration (µg/L)	Reduction (%)
1,2,4-trimethylbenzene	45.90	200	-	<0.1	>99.8
sec-butylbenzene	49.96	3	-	<0.1	>99.8
4-isopropyltoluene	53.95	3	-	<0.1	>99.8
1,3-dichlorobenzene	43.28	600	-	<0.1	>99.8
1,4-dichlorobenzene	45.71	75	>98	<0.1	>99.8
n-butylbenzene	44.53	200	-	<0.1	>99.8
1,2-dichlorobenzene	46.33	600	>99	<0.1	>99.8
Hexachlorobutadiene	47.97	-	>98	<0.1	>99.8
1,2,4-trichlorobenzene	53.05	70	>99	<0.1	>99.8
Naphthalene	66.60	100	-	<0.1	>99.8
1,2,3-trichlorobenzene	55.07	3	-	<0.1	>99.8
Ethylene dibromide (EDB)	38.85	0.05	>99	<0.1	>99.7
m & p-xylene	33.51	10000	>99	<0.1	>99.7
1,2-dibromo-3-chloropropane	39.56	0.2	>99	<0.1	>99.7
Bromoacetonitrile	51.2	-	-	<0.1	>99.8
Dibromoacetonitrile	49.8	-	-	<0.1	>99.8
Dichloroacetonitrile	53.5	-	-	<0.1	>99.9
Trichloroacetonitrile	48.7	-	-	<0.1	>99.8
1,1-dichloro-2-propanone	49.6	-	-	<0.1	>99.8
1,1,1-trichloro-2-propanone	52.4	-	-	<0.1	>99.9
Total trihalomethanes	427.94	-	-	34.74	91.9
Carbon disulfide	28.54	700	-	<0.1	>99.6
Acrolein	24.91	-	-	<0.1	>99.6
Acrylonitrile	34.52	0.6	-	<0.1	>99.7
2-chloroethylvinylether	28.56	-	-	<0.1	>99.6



PESTICIDES & HERBICIDES

Pesticide/Herbicide Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	4000L	
				Effluent Concentration (µg/L)	Reduction (%)
Alachlor	53.03	2	>98	<0.1	>99.8
Aldrin	35.42	0.7	-	<0.1	>99.7
Alpha-BHC	141.31	-	-	<0.1	>99.9
Ametryn	60.54	-	-	<0.1	>99.8
Atraton	64.89	-	-	<0.1	>99.8
Atrazine	17.46	-	-	<0.1	>99.4
Beta-BHC	80.19	-	-	<0.1	>99.9
Bromacil	36.58	-	-	<0.1	>99.7
Carbofuran	98.9	-	-	<0.1	>99.9
Chlorneb	97.8	-	-	<0.1	>99.9
Chlorothalonil	98.7	-	-	<0.1	>99.9
Chlorprophane	99.5	-	-	<0.1	>99.9
Chlorpyrifos	94.6	-	-	<0.1	>99.9
Cyanazine	43.69	-	-	<0.1	>99.8
Delta-BHC	82.43	-	-	<0.1	>99.9
Dichlorvos	95.3	-	-	<0.1	>99.9
Dieldrin	206.54	0.7	-	<0.1	>99.9
Diphenamid	8.66	-	-	<0.1	>98.8
Disulfoton	96.8	-	-	<0.1	>99.9
Endosulfan sulfate	25.64	-	-	<0.1	>99.6



PESTICIDES & HERBICIDES CONT.

Pesticide/Herbicide Contaminant	Influent Challenge (µg/L)	Allowable Concentration (µg/L)	Reduction Requirement (%)	4000L	
				Effluent Concentration (µg/L)	Reduction (%)
Endrin	32.21	2	>99	<0.1	>99.7
Endrin aldehyde	32.21	-	-	<0.1	>99.7
Endrin ketone	32.21	-	-	<0.1	>99.7
Endosulfan I	99.40	-	-	<0.1	>99.9
Endosulfan II	32.45	-	-	<0.1	>99.7
Ethoprop	96.3	-	-	<0.1	>99.9
Fenamiphos	94.8	-	-	<0.1	>99.9
Fenarimol	30.30	-	-	<0.1	>99.7
Fluoridone	97.8	-	-	<0.1	>99.9
Gamma-BHC (Lindane)	90.46	0.2	>99	<0.1	>99.9
Heptachlor	49.83	0.4	>99	<0.1	>99.8
Heptachlor epoxide	51.89	0.2	>98	<0.1	>99.8
Methoxychlor	10.69	40	>99	<0.1	>99.1
Molinate	70.55	-	-	<0.1	>99.9
PCBs	96.8	-	-	<0.1	>99.9
Prometryn	34.79	-	-	<0.1	>99.7
Propachlor	48.67	-	-	<0.1	>99.8
Simazine	5.9	-	-	<0.1	>98.3
Toxaphene	95.8	-	-	<0.1	>99.9
Dalapon	51.56	-	-	<0.01	>99.9
Dicamba	53.30	120	-	<0.01	>99.9
3,5-dichlorobenzoic	51.00	-	-	<0.01	>99.9
Dinoseb	55.07	7	>99	0.01	>99.9
Dichlorprop	54.83	-	-	<0.01	>99.9
2,4-D	54.09	70	>98	<0.01	>99.9
Pentachlorophenol	52.35	1	>99	<0.01	>99.9
Picloram	65.81	190	-	<0.01	>99.9
2,4,5-T	54.00	-	-	<0.01	>99.9
2,4,5-TP (Silver)	54.30	50	>99	<0.01	>99.9
2,4-DB	50.00	-	-	0.02	>99.9
Bentazon	54.50	-	-	0.03	99.9
Dacthal (DCPA)	58.27	-	-	0.09	99.8
Quinclorac	54.78	-	-	0.04	99.9
Acifluoren	52.35	-	-	<0.01	>99.9
Metribuzin	20.23	80	-	<0.1	>99.5
Metolachlor	15.77	-	-	<0.1	>99.4
Butylate	5.9	-	-	<0.1	>98.3
Trans-chlordane (Nonachlor)	73.83	2	-	<0.1	>99.9
Butachlor	62.55	-	-	<0.1	>99.8
Cis-chlordane	62.47	2	-	<0.1	>99.8
p,p-DDE (4,4-DDE)	68.77	1	-	<0.1	>99.9
p,p-DDD (4,4-DDD)	19.25	1	-	<0.1	>99.5
p,p-DDT (4,4-DDT)	101.3	-	-	<0.1	>99.9
Hexachlorocyclopentadiene	30.32	50	>99	<0.1	>99.7
Chloramben	54.08	-	-	0.01	>99.9
BHT	22.36	-	-	<0.1	>99.6
DEET	55.02	-	-	<0.1	>99.8
Terbacil	24.90	-	-	<0.1	>99.6
Vinclozolin	124.80	-	-	<0.1	>99.9
Terbutryn	98.21	-	-	<0.1	>99.9
Oxyfluorfen	63.24	-	-	<0.1	>99.8
2,4-dichlorophenyl 4-nitrophenyl ether (Nitrofen)	52.36	-	-	<0.1	>99.8



PARTICLES

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

TESTING INFORMATION



Filter is only to be used with cold water.



Filter 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 filter is not intended to convert waste water or raw sewage into drinking water.

- All contaminants reduced by this filter 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

See KLT Filtration Ltd lab reports for more detail

GOLD SEAL CERTIFIED



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