

PERFORMANCE DATA SHEET

SCFF-PLUS(FIL-C100300) Drinking Water System

SCFF-PLUS(FIL-C100300) Replacement Cartridge

The best investment, both in terms of money and peace of mind, is to invest in a quality drinking water system solving a wide range of problems that you may, or may not, have or know about. Please use RC-SCFF-PLUS(FIL-C100350) Replacement Cartridge for this system.

FEATURES

-High Flow Rate

5.7 L/min (1.5 U.S. gallons/min)

-Exclusive

Quick Change Cartridge

-Fine Filtration

The .5 micron filter produces a premium quality water for drinking, cooking, ice and food preparation.

-Reduces;

Aesthetic Chlorine & Chloramine

Dirt, rust, and other particulates

Parasitic Protozoan Cysts (such as Giardia, and Cryptosporidium)

Lead (to below US Federal Action level)

Methyl Tertiary-Butyl Ether (MTBE)

Volatile Organic Chemicals (VOC' s) (including trihalomethanes [TTHM' s])

-Filter Protection

Agion (EPA-registered, FDA-listed and NSF-certified for food and water uses), a Silver Zeolite technology is blended throughout the filter using Ion exchange to "Manage" the silver release for optimum efficacy and longevity.

-Lime Scale Protection

Protects against hard water minerals that form scale on appliances that use water. (This claim is not certified)

Operating Specifications:

- Capacity: 1890L (500 U.S. gallons)
- Pressure requirements: 0.7-8.6 bar (10-125 psi), non-shock
- Temperature: 2-38 °C (35-100 °F)
- Flow Rate: 5.7L/min. (1.5 U.S. Gallons/min)

HEALTH CLAIM PERFORMANCE CERTIFIED BY NSF/ANSI STANDARDS 42 AND 53

This system has been tested according to NSF/ANSI 42 and 53 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42 and 53.

Substance	Influent Challenge Concentration	Max Permissible Product Water Concentration	Minimum Reduction	Average Reduction
Standard 42 - Aesthetic Effects				
Chlorine	2.0 mg/L +-10%	>=50% reduction	95%	95%
Chloramine (as monochloramine)	3.0 mg/L +-10%	<=0.5mg/L	98.9%	99.3%
Particulate				
Class 1 Particles (0.5-1.0 micron)	>10,000 particles/mL	>=85% reduction	99.1%	99.7%
Standard 53 - Health Effects				
Chloroform (VOC surrogate chemical)	300ug/L +-10%	>=95% reduction	97.2%	97.2%
MTBE (Methyl tert-Butyl Ether)	0.015mg/L +-50%	0.005mg/L	74.5%	90.2%
TTHM' s (as chloroform)	0.450mg/L +-30%	0.080/mg/L	87.6%	94.3%
Turbidity	10.0-12.0 NTU	<=0.5 NTU	98.61%	98.84%
Cysts	>50,000 microspheres/L	99.95% reduction	99.95%	99.99%
Lead 6.5 pH	0.15mg/L +-25%	0.010mg/L	96.5%	96.5%
Lead 8.5 pH	0.15mg/L +-25%	0.010mg/L	96.7%	96.7%

Performance Data Sheet Reduction Claims for Organic Chemicals Included by Surrogate Testing

Substance	Influent Challenge Concentration mg/L	Max permissible Product Water Concentration mg/L
Alachlor	0.050	0.001
atrazine	0.100	0.003
benzene	0.081	0.001
carbofuran	0.190	0.001
carbon tetrachloride	0.078	0.0018
Chlorobenzene	0.077	0.001
chloropicrin	0.015	0.0002
2,4D	0.110	0.0017
dibromochloropane (DBCP)	0.062	0.00002
o-dichlorobenzene	0.080	0.001
p-dichlorobenzene	0.040	0.001
1,2-dichloroethane	0.088	0.0048
1,1-dichloroethylene	0.083	0.001
ois-1,2-dichloroethylene	0.170	0.0005
trans-1,2-dichloroethylene	0.086	0.001
1,2-dichloropopane	0.080	0.001
ois-1,3-dichloropropylene	0.079	0.001
dinoseb	0.170	0.0002
endrin	0.053	0.00059
ethylbenzene	0.088	0.001
ethylene dibromide (EDB)	0.044	0.00002
haloacetonitriles (HAN):		
bromochloroacetonitrile	0.022	0.0006
dibromoacetonitrile	0.024	0.0006
dichloroacetonitrile	0.010	0.0002
trichloroacetonitrile	0.015	0.0003
haloketones (HK)		
1,1-dichloro-2-propanone	0.0072	0.0001
1,1,1-trichloro-2-propanone	0.0082	0.0003
heptachlor	0.25	0.00001
heptachlor epoxide	0.0107	0.0002
hexachlorbutadiene	0.044	0.001
hexachlorocyclopentadiene	0.060	0.000002
lindane	0.065	0.00001
methoxychlor	0.050	0.0001
pentachlorophenol	0.096	0.001
simazine	0.120	0.001
styrene	0.150	0.0005
1,1,2,2-tetrachloroethane	0.081	0.001
tetrachloroethylene	0.081	0.001
toluene	0.078	0.001
2,4,5-TP (silvex)	0.270	0.0016
tribromoacetic acid	0.042	0.001
1,2,4-trichlorobenzene	0.160	0.0005
1,1,1-trichloroethane	0.084	0.0046
1,1,2-trichloroethane	0.150	0.0005
trichloroethylene	0.180	0.001
trihalomethanes (Includes):		
chloroform (surrogate chemical)	0.300	0.015
bromoform		
bromodichloromethane		
Chlorodibromomethane		
xylene (total)	0.070	0.001

This system conforms to NSF/ANSI 42 and 53 for specific performance claims as verified and substantiated by test Data.

