

The Problem is Lead...

Lead has been proven to cause toxicological problems ranging from acute poisoning to subtle cumulative influences...defects of fetal development, hyperactivity and subsequent delinquency, decreased intelligence, learning disability and mental retardation in children. Additional health problems are listed. (American Water Works Association Research Foundation Report, 1999, ISBN 0-89867-974-5).

Most water related lead problems come from household plumbing and fixtures. Research indicates that chloramination can significantly increase leaching of lead into drinking water.

THE ANSWER!

Seagull® IV Flex-I-Pure® Pb Lead Removal/Purification Module

General Ecology Inc.'s new Seagull® IV **Flex-I-Pure** Pb POU (point-of-use) purification system is independently certified to ANSI/NSF Standard 53 (Health Effects) for both low and high pH and low and high alkalinity water sources. **Flex-I-Pure** Pb provides the optimum answer by removing both particulate and dissolved lead (and many other impurities) at the time and point-of-use.



Purifies Water Instantly

Accuflow™ Monitors Capacity
and When to Change Module

Ecological - No Chemicals
or Electricity Required

Independently Certified ANSI/NSF
Standard 53 for Health Effects



Seagull IV X-2KF Water Purifier with Accuflow™ Capacity Monitor

Flex-I-Pure Pb Module



800-441-8166 - www.generalecology.com - info@generalecology.com

The New Standard for Water Purification & Lead Removal

Flex-I-Pure® Pb with General Ecology, Inc.'s Unique "Structured Matrix™" Technology

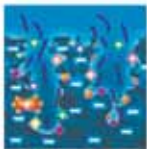
Here's how "Structured Matrix™" purifies your water without using chemicals!



ULTRAFINE MICROSTRAINING down to 0.1 micron (0.4 micron absolute) - small enough to remove Giardia, Cryptosporidia and other specific parasites.



MOLECULAR CAPTURE mechanisms remove chlorine and organic chemicals including specific pesticides, herbicides, and solvents, along with foul tastes, bad odor and color.



ELECTROSTATIC REMOVAL - because small particles are electrically charged, General Ecology's "Structured Matrix", with oppositely charged surfaces, removes colloids and other particles even smaller than those removed by microfine filtration.



Seagull® IV X-2K Drinking Water Purifier with Accuflow™ Capacity Monitor. Accurate monitoring of water flow to assure Lead removal within ANSI/NSF Standard 53 Guidelines.

Independently Certified to Meet the USEPA Guide Standard for Microbiological Purifiers & ANSI/NSF Standard 53⁺

EPA Purification Testing (three units included in tests)

Contaminant	Input Conc.	Gallons	Reductions	Standard/Comments
Crypto	10 ⁶ /liter*	2000	>99.9%	>99.9% No Growth/Stagnation**
Bacteria	10 ⁸ /liter*	2000	>99.9999%	>99.9999% No Growth/Stagnation**
Viruses	10 ⁷ /liter*	2000	>99.99%	>99.99% No Growth/ Stagnation**

ANSI/NSF 53 Lead Removal (four units included in test: 2000 gallons each rated capacity)

Contaminant	Input, ppb	Gallons	Output	(with Accuflow™ Monitor)
Lead, Low pH	140	2400	0	= 120% of rated capacity
Lead, High pH	160	2000	0	Cartridges clogged at 2000 gal

Detection Level = 0.5 ppb

*Lead removal and flow rate accuracy

* Challenge levels at several points throughout test

** Units stagnated for three different 48 hour periods - no bacteria growth within or through units.

Specifications

Operating Temperature	33° F – 100° F (0.5° C – 38° C)
Flow Rate	1.0 Gallon/min (3.8 Liters/min)
Average Module Capacity	2,000 Gallons (7,600 Liters)
Operating Pressure	25 psi - 125 psi
Particle Retention - Micron	0.1 Nominal (0.4 Absolute)
Flex-I-Pure® Module	P/N 501700
Complete System	P/N 830616

Flex-I-Pure® Pb Module Removes

CHLORINE

LEAD

Dissolved in Water

LEAD

Precipitated in Water

CYSTS

TASTES/ODORS

VIRUSES

BACTERIA



SPECIFIC PESTICIDES & HERBICIDES

General Ecology, Inc. 151 Sheree Blvd., Exton, PA 19341 tel: (610)363-7900 fax: (610) 363-0412 info@generalecology.com

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