Seagull® IV Water Purifiers- Product Data Sheet

Seagull IV X-1 Water Purifiers · Seagull IV X-2 Water Purifiers
Seagull IV X-6 Water Purifiers

General Ecology presents data from testing specifically selected to demonstrate product effectiveness in removing those contaminants most frequently encountered in water supplies. Please note that all General Ecology test results represent performance using actual contaminants, not substitute surrogates which some companies submit.

This Performance Data Sheet shows some of the removal capabilities of Seagull IV Water Purifiers. It is recommended that before purchasing a water treatment unit you have your water supply tested to determine your actual water treatment needs.

Seagull IV® Drinking Water Purifiers

Product Brand Name:

Seagull IV X-1 Drinking Water Purification System- Configuration B, F, D, P, FP, KF
Seagull IV X-2 Drinking Water Purification System- Configuration B, KB, KF
Seagull IV X-6 Drinking Water Purification System

Manufacturer: **Made in USA by General Ecology, Inc.**

Operating Conditions:			
	Seagull IV X-1 purifier	**Seagull IV X-2 purifier**	**Seagull IV X-6 purifier**
Housing	Stainless Steel Housing		
Cartridge	RS-1SG	RS-2SG	RS-6SG module
Flow Rate per minute gallons (liters)	1 gpm (3.8 lpm)	2 gpm (7.6 lpm)	6 gpm (23 lpm)
Average Capacity gallons (liters)	1000 gal. (3800 ltr.)	2000 gal. (7600 ltr.)	6000 gal. (23000 ltr.)
Operating Pressure (min psi/ max psi)	30 / 125		
Particle Retention (microns)	.1 nominal .4 absolute		
Temperature Range F° (C°)	32° - 145° (0° to 62°) - do not freeze		
*Contact us for additional information on specifications or dimensions. *Average rated life span, flow rate are based on tested waters, actual capacity may vary depending on quality of water source. * Intended for cold water use. Intended for use with Seagull IV water purifiers.			

Test conditions: All tests were conducted under standard operating conditions as previously stated for rated capacity of cartridge/module. The data are based on documented results from specific testing and are generally regarded as indicative of the effectiveness to be expected but are not specific claims of performance.

Contaminant Tested **Organic Chemicals**	**Influent**	**Effluent**	**Detection Level ND - None Detected**	**MCL+**
1,1 Dichloroethane	10 ppb	ND	2 ppb	--
1,1,2-Trichloroethane	20 ppb	ND	2 ppb	5 ppb*
1,2-Dibromomethane (EDB)	1.9 ppb	ND	.2 ppb	5 ppb
1,4-Dichlorobenzene	73 ppb	ND	NSF Standard 53	5 ppb++

2,4,5-TP (Silvex)	30.6 ppb	ND	.05 ppb	10 ppb
2,4-D	338 ppb	ND	1 ppb	70 ppb
Aldicarb (Temik)	228 ppb	ND	1 ppb	7 ppb++
Carbon Tetrachloride	20 ppb	0.6 ppb		5 ppb
Chlordane	50 ppb	ND	1 ppb	20 ppb
Chlorine Residual	500 ppb	ND	50 ppb	2.5 ppm (not an MCL)
Chloroform	300 ppb	ND	1 ppb	--
Dichlorethane	9.8 ppb	0.882 ppb	--	5 ppb
Diisopropyl ether	89 ppb	ND	--	--
Hexachlorobenzene	10 ppb	ND	.1 ppb	.1 ppb
Methoxychlor	114 ppb	<3 ppb	2 ppb	40 ppb **
P-chlorobenzene	10 ppb	ND	.1 ppb	5 ppb proposed *
PCB	0.05 ppb	NDtd	.01ppbtd	—
Tetrachlorethylene (PCE)	73 ppb	ND	NSF Standard 53	5 ppb
Trichloroethylene (TCE)	328 ppb	ND	NSF Standard 53	5 ppb
Trihalomethane Total	92 ppb	ND	1ppb	100 ppb**

Contaminant Tested **Microbiological**	**Influent (colonies/100ml)**	**Exfluent (colonies/100ml)**	**Detection Level (colonies/100ml) ND - None Detected**	**MCL+ (colonies/100ml)**
Campylobacter jejuni	1.6-3.0 x 10^7	ND	10	--
Cryptosporidia	1.8 x 10^3	ND	1	--
Escherichia coli	10^7	ND	1	0/100 ml
Fecal Coliform	10^3	ND	1	0/100 ml
Giardia lamblia	1.13 x 10^5+++	ND	1	--
Klebsiella terrigena	4.64 x 10^8	ND	3	--
Listeria monocytogenes	2.2-2.8 x 10^7	ND	10	--
Polio Virus/Rota virus	2.39 x 10^6	ND	150	--
Pseudomonas aerigompsa§	10^3	ND	1	--
Salmonella typhi§	10^5	ND	1	0/100 ml
Staphylococcus aureus§	10^6	ND	1	--
Streptococcus foecalis§	10^5	ND	1	--
Vibrio cholerae inaba§	10^6	ND	1	--
Vibrio cholerae ogawa§	10^6	ND	1	--
Yersinia enterocolitica	2.0-2.8 x 10^5	ND	10	--

Contaminant Tested Metals	**Influent**	**Effluent**	**Detection Level** **ND - None Detected**	**MCL+**
Iron±	.8 mg/l	.06 mg/l	--	--
Lead¥	90 ppb	ND	2 ppb	15 ppb
Aesthetics	**Original Well Water**	**Tested Water**		
Color	20	0	--	--

Hardness	72 mg/L	66 mg/l	--	--
Odor	abnormal	normal	--	--
Taste	abnormal	normal	--	--
Turbidity	2	0	--	1.0

Aesthetic water quality improvement:
Seagull®IV Drinking Water Purification Systems also remove the following, which some individuals may find offensive in drinking water: • Chlorine • Foul Tastes • Color • Foul Odors • Turbidity

Contaminant Leached	Testing Protocol	Result	Detection Level ND - None Detected
1,1,1-Trichloroethane	NSF Standard 53	ND	1 ppb
1,1 Dichloroethylene	NSF Standard 53	ND	1 ppb
1,2-Dichloroethylene	NSF Standard 53	ND	1 ppb
Benzene	NSF Standard 53	ND	1 ppb
Bromodichloromethane	NSF Standard 53	ND	2 ppb
Bromoform	NSF Standard 53	ND	4 ppb
Cadmium	NSF Standard 53	ND	2 ppb
Carbontetrachloride	NSF Standard 53	ND	1 ppb
Chloroform	NSF Standard 53	ND	2 ppb
Chromium	NSF Standard 53	ND	4 ppb
Dibromochloromethane	NSF Standard 53	ND	4 ppb
Lead	NSF Standard 53	ND	1 ppb
Mercury	NSF Standard 53	ND	.2 ppb
Methylene Chloride	NSF Standard 53	ND	1 ppb
Phenols	NSF Standard 53	ND	10 ppb
Tetrachloroethylene	NSF Standard 53	ND	1 ppb
TOC	NSF Standard 53	ND	500 ppb
Trichloroethylene	NSF Standard 53	ND	1 ppb
Trihalomethane Total	NSF Standard 53	ND	2 ppb
Vinyl Chloride	NSF Standard 53	ND	1 ppb

Legend:
+ Maximum Contaminant Level of Federal Standards shown unless a more rigorous standard is indicated.
++ New York Maximum Contaminant Level is more rigorous than Federal level.
+++ Total per 500 gallons.
§ Sampled at less than rated capacity.
± Iron will tend to shorten cartridge life.
¥ Cartridge used in the test was 1 year 2 months old.
* Journal AWWA, February 1992.
** Water Technology, August 1991.

Note: Seagull®IV purifiers do not remove beneficial dissolved salts and essential minerals.
Various Federal, State and Local regulations may become known or change and affect distribution and presentation of performance claims. All health claims not in compliance with local or state laws are hereby withdrawn.