

Performance Data Sheet

For United States Standards

AQUA-POLISH® and SPARK-L-PURE® Units Drinking Water Purification and Microfiltration Systems

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, Incorporated's 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 the AQUA-POLISH® and SPARK-L-PURE® products. It is recommended that before purchasing a water treatment unit you have your water supply tested to determine your actual water treatment needs.

Product Brand Names

AQUA-POLISH® #5 Drinking Water Microfiltration Cartridge

AQUA-POLISH® #10 Drinking Water Microfiltration Cartridge

AQUA-POLISH® #20 Drinking Water Microfiltration Cartridge

SPARK-L-PURE® Drinking Water Microfiltration System with AP-7 Cartridge module

Manufacturer

All AQUA-POLISH® and SPARK-L-PURE® Drinking Water Microfiltration Systems are manufactured in the USA by:

General Ecology, Inc.
151 Sheree Boulevard
Exton, PA 19341

Operating Conditions

	AQUA-POLISH® #5	AQUA-POLISH® #10	AQUA-POLISH® #20	SPARK-L-PURE®
Housing	Manufactured by Others	Manufactured by Others	Manufactured by Others	Stainless Steel
Cartridge Module	#5	#10	#20	AP-7
Particle Retention	0.5 micron nominal	0.5 micron nominal	0.5 micron nominal	0.5 micron
nominal		(1.0 micron absolute)	(1.0 micron absolute)	(1.0 micron
absolute)	(1.0 micron absolute)	Pressure (psig) max	125	125 125
100				
Flow Rate (gpm)	3.5 @ 10 psi	5.5 @ 10 psi	7.5 @ 10 psi	26.0 @ 12 psi
Average Capacity (gals)	2,500	5,000	10,000	30,000
Temp (F) min/max	35°/145°	35°/145°	35°/145°	35°/145°
pH min/max	5/9	5/9	5/9	5/9

- No electricity is required.
- Do not freeze unit.

- Flow rate and capacity will depend on operating conditions and source water characteristics.
- The cartridge should be replaced annually, when the flow rate drops to an inconvenient level or if tastes and odors should become evident.
- Maximum pressure and temperature for #5, #10, and #20 Cartridges pertain to Cartridge only and does not include any Pressure Vessel rating.

Aesthetic Water Quality Improvement

AQUA-POLISH® and SPARK-L-PURE® Drinking Water Microfiltration Systems also remove the following, which some individuals may find offensive in drinking water: • Chlorine • Foul Tastes • Color • Foul Odors • Turbidity

Test Conditions

The data are based on documented results from specific testing of Aqua-Polish®, Spark-L-Pure® and Nature Pure® Micromatrix systems and are generally regarded as indicative of the effectiveness to be expected but are not specific claims of performance.

NOTE: Due to variations in housing geometry between manufacturers, the test results for the #5, #10 and #20 Cartridges are only valid for cartridges installed in housings provided by General Ecology, Inc.

AQUA-POLISH® Cartridges do not remove dissolved salts and minerals.

Contaminant	Influent	Effluent	% Reduction	Federal Maximum Contaminant Level
Microbiological:				
Giardia Lamblia	6x10 ⁵ cysts/L		> 99.999%	---
Cryptosporidium parvum	2x10 ³ cysts/L	None Detected	> 99.999%	---
Chemical:				
Ethylene Dibromide (EDB)	19 ppb	< .02 ppb	> 99%	0.5 ppb
Trichloroethylene (TCE)	270 ppb	< 1.0 ppb	> 99%	5.0 ppb

Installation Instructions

The AQUA-POLISH® and SPARK-L-PURE® systems are intended for use ONLY with water supplies that are considered to be bacteriologically acceptable (potable). DO NOT USE where water is microbiologically unsafe or where adequate disinfection before or after the unit is not provided. AQUA-POLISH® and SPARK-L-PURE® housings are normally plumbed directly into the cold water supply line. Please see installation instructions for diagrams and detailed step by step directions. Extra care should be taken in the labeling of supply (inlet) and service (outlet) pipes in order to avoid the possibility of connecting the SPARK-L-PURE® unit in the reverse direction. Please read the installation considerations statement before beginning the installation process.

Warranty Statement

Every SPARK-L-PURE® Microfiltration System Stainless Steel Pressure Vessel is warranted for TEN years from the date of purchase to be free from defects in materials and workmanship when installed and operated according to General Ecology, Inc.'s detailed instructions. For service under this warranty, please contact your SPARK-L-PURE® dealer or General Ecology, Inc.

Every AQUA-POLISH® Cartridge is warranted for one year from the date of purchase to be free from defects in workmanship when installed and operated according to General Ecology, Inc.'s detailed instruction.

This warranty does not apply to damage to these products resulting from accident, misuse, tampering, corrosion, modification or incorrect installation. Cartridge capacity and performance will vary depending upon water characteristics and for this reason, specifically are not covered by this warranty.

Customer Satisfaction/Money Back Guarantee

We stand behind the quality and effectiveness of our AQUA-POLISH® and SPARK-L-PURE® Drinking Water Microfiltration Systems. If you are not fully satisfied with your system, simply return it to the point of purchase within 30 days, undamaged, for a FULL REFUND of purchase price.



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