

# SPARK·L·PURE

## Water Microfiltration System

General Ecology, Inc's SPARK-L-PURE systems with Aqua-Polish® 7 (AP-7) microfiltration modules, are intended for use with fresh water supplies that are considered bacteriologically acceptable. They offer a rated flow of 26 gpm—more than enough for household, yacht or aircraft total water supply, and for many commercial and industrial applications.

AP-7 modules remove fibers, visible dirt and scale, chlorine, foul tastes, odors, and other contaminants, by incorporating extremely fine Microfiltration and Broad Spectrum Adsorption/Molecular Sieving into General Ecology's unique "Structured Matrix™" microfiltration technology but are not rated to remove bacteria and viruses.

SPARK-L-PURE, with the proprietary AP-7 module, is the most comprehensively effective drinking water system in its class. Modules have a large average capacity of 30,000 gallons for particulate removal.



### FEATURES

- 300 series stainless steel construction
- Seamless, no weld construction
- Top-mounted, inlet/outlet ports
- ¾ or 1 inch NPT connections (specify when ordering)
- Exceptionally compact
- Dielectric Isolating Positioners
- Quick change module
- Accepts General Ecology's Aqua-Polish 7 module
- Double O-ring bypass prevention
- Low pressure loss
- Sanitary finish

### BENEFITS

- Exceptionally effective and dependable
- Quick and easy to assemble, install and service
- Outstanding capacity
- No sweating copper connector fittings\*
- Compact, attractive appearance for point-of-use installations
- Easy to keep sanitary and clean
- No welds to corrode

\*sweat to thread adapters available



General Ecology, Inc. *the pure science of safe water™*

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## Aqua-Polish 7 Module

Aqua-Polish® 7 (AP-7) modules employ General Ecology's uniquely effective "Structured Matrix™" technology, and high-efficiency adsorption materials. The AP-7 matrix is rated at 1 micron (compared to SEAGULL®IV matrix at 0.4 micron) which is small enough to physically remove microscopic and visible dirt and scale, and many other larger particulate contaminants. Aqua-Polish systems provide maximum flow rates and capacity while remaining superior to other filtration products in effectiveness.

## Easy Installation & Operation

SPARK-L-PURE systems are normally installed directly into the fresh water supply line. Shut-off valves (user furnished ball valves are recommended) should be installed upstream and downstream of the unit. A user supplied check valve should be installed immediately downstream of the unit to prevent back pressure surges from reaching the unit. It is desirable to allow the inlet and outlet lines to flex about ¼ inch to facilitate connections. SPARK-L-PURE units are equipped with either ¾ inch or 1 inch stainless steel NPT male ports. Both inlet and outlet are located on top of the unit for easy access and visibility.

To service the unit close both shut-off valves, un-thread the hose fittings, remove the isolating pads and allow the unit to be lowered a ½ inch or so for removal. Once free of the connections, the unit can be serviced in place or can easily be carried to a more convenient location.

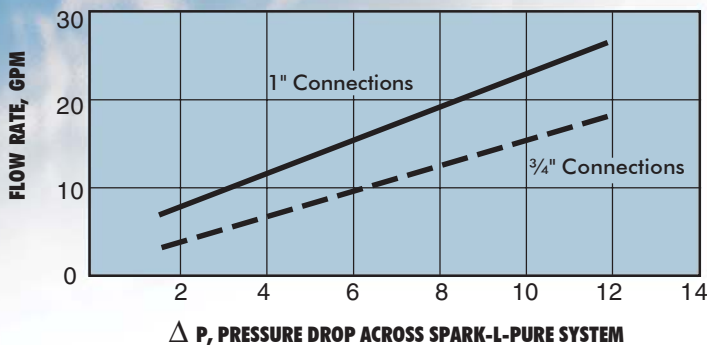
Next, remove the vee-clamp (½ in. hex nut), carefully remove cover, lift module from the bowl, rinse loose dirt from the bowl, install the new module and reassemble the pressure vessel.



SPARK-L-PURE®

Index No.	Part No.	Part Description	Qty/Assembly
1	N/A	Cover with ¾" or 1" NPT male ports	1
2	N/A	Bowl	1
3	100400	Vee-Clamp	1
4	100455	Housing Gasket	1
5	100414	Module Seal O-Rings (internal)	2
6	100500	Aqua-Polish 7 Module	1
7	100421	Dielectric Isolating Pads	3
8	100402	Vee-Clamp Hex Nut	1

### Flow characteristics of Spark-L-Pure® Microfiltration System with AP-7 module



## Technical Specifications

- Rated Flow (1 in. lines) ..... 26 gpm (100 lpm) (see chart)
- Cartridge Type ..... Aqua-Polish 7 Module
- Average Capacity ..... 30,000 gallon (100,000 liters)
- Particle Retention Rating ..... 1.0 micron
- Pressure Vessel Construction ..... 300 Series Stainless Steel
- Size ..... 10 in. (25.4 cm) dia. x 17 ½ in. (44.5 cm) high
- Shipping Weight ..... 24 lb (10.9 kg)
- Maximum Working Pressure ..... 100 psi (7 atmospheres)
- Minimum Temperature ..... 33°F (0.5°C) Do Not Freeze
- Maximum Temperature ..... 100°F (38°C)

Performance may vary according to influent water quality.

AS9100, ISO 9001 and FAA Quality Certified Original Equipment and PMA Manufacturer

