



SPARK·L·PURE®

Water Microfiltration System

from General Ecology, Inc.

*Setting the standard of excellence for
drinking water microfiltration.*

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 particulate contaminants, by incorporating extremely fine Microfiltration and Broad Spectrum Adsorption/Molecular Sieving into General Ecology's unique "Structured Matrix"™ technology.

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
- Quick change connectors
- Accepts either ¾ or 1 inch lines
- 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
- Can be adapted to threaded fittings
- Compact, attractive appearance for point-of-use installations
- Easy to keep sanitary and clean
- No welds to corrode

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General Ecology, Inc. the pure essence 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 absolute (compared to SEAGULL® IV matrix at 0.4 micron absolute) 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 easily installed in either ¾ inch or 1 inch copper lines using quick-change connector/sweat adapters of appropriate size supplied as installation accessories. 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 finger-tight knurled closure nuts, 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.

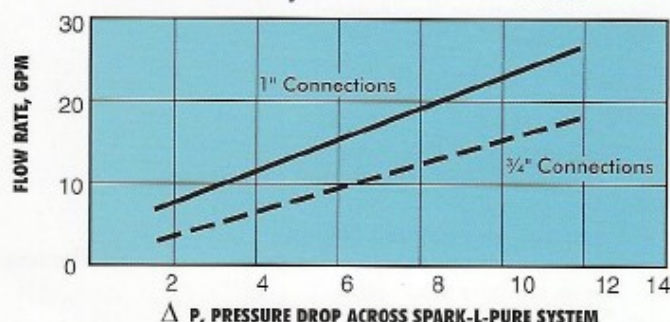
Next, remove the vee-clamp (½ in. hex nut), carefully remove cover, lift module from the bowl, rinse loose dirt from the bowl, install the new module and reassemble the pressure vessel. Complete module change normally can be accomplished within five to ten minutes without using wrenches except to remove the single nut from the vee-clamp.

Index No.	Part No.	Part Description	Qty/Assembly
1	100200	Cover	1
2	100300	Bowl	1
3	100400	Vee-Clamp	1
4	100401	Housing Gasket	1
5	505203	Inlet Port	1
6	505204	Outlet Port	1
7	100414	Module Seal O-Rings (internal)	2
8	100120	Knurled Closure Nuts	2
9	100416	Closure Nut Gaskets	2
10	or { 100417	¾ inch Sweat Adapters	2 }
11	100418	1 inch Sweat Adapters	2 }
12	100500	Aqua-Polish 7 Module	1
13	100421	Dielectric Isolating Pads	3
14	100402	Vee-Clamp Hex Nut	1



SPARK-L-PURE®

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	0.5 micron nominal (1.0 absolute)
Pressure Vessel Construction	300 Series Stainless Steel
Size	10 in. (25.4 cm) diam. 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)

⁺ Capacity will vary widely depending on characteristics and concentrations of contaminants.

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