



SEAGULL[®] IV X-6

Water Purification System

from General Ecology, Inc.

General Ecology Inc.'s **Seagull[®] IV X-6** Water Purification System provides top quality drinking water for large capacity needs in a compact stainless steel housing. Seagull IV water purifiers are independently certified to meet EPA Microbiological Guide Standard for removal of pathogenic bacteria, cysts and virus and excel at the removal of chemicals, particulates, foul tastes, colors, and odors. Seagull IV X-6 provides great tasting, purified water for residential and commercial kitchens, yachts, houseboats and motorhomes.

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
- Dielectric isolating positioners
- Quick change module
- Double O-ring bypass prevention
- High flow rate at low pressure
- No Chemicals, No Hold Time, No Electricity

Benefits

- Exceptionally effective and dependable
- Quick and Easy to assemble, install and service
- Flow Rates of up to 6 gpm
- 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

General Ecology's unique "Structured Matrix[™]" technology is the most comprehensively effective water purification system of it's class incorporating:



Extremely Fine Microfiltration* physically removes disease bacteria, pathogenic cysts like giardia, cryptosporidia, and other specific parasites and debris down to 0.1 microns (0.4 absolute). Removing pathogens also removes disease toxins and is far superior to "poisoning" organisms with pesticides and allowing the pathogen residue, toxins and pesticides to remain in the water to be consumed.



Broad Spectrum Molecular Capture* traps and contains organic and other chemicals such as pesticides, herbicides, and solvents, as well as chlorine and other trace contaminants that can be toxic and/or carcinogenic, along with foul taste, odor, and color.



Electrokinetic Removal* uses specially charged surfaces, to remove minute particles, molecules and colloids suspended in the water.

* All of these purification mechanisms work together to remove viruses, disease bacteria and other contaminanats too small for microfiltration alone.

Seagull X-6 - RS-6SG Module

Seagull® IV X-6 water purification systems feature the RS-6SG "Structured Matrix" purification module. Seagull IV systems have been independently certified to meet the EPA Microbiological Guide Standard for removal of bacteria, cysts and virus. These systems also remove chemicals, particulates and foul tastes, colors and odors for superior water purification.

Installation & Operation

X-6 units are normally installed directly into the fresh water supply lines. 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 to flex about ¼ inch to facilitate connections. X-6 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.

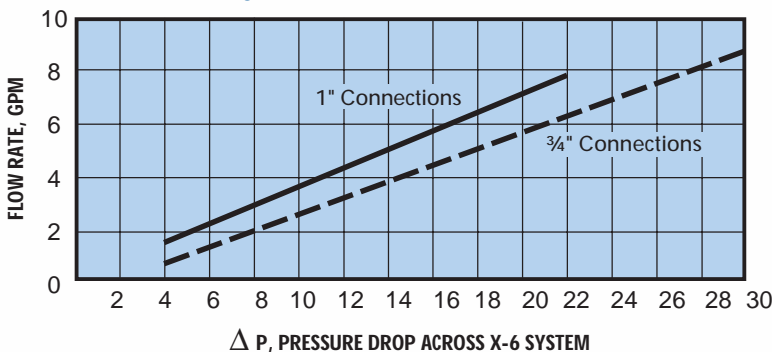
To service the unit close both shut-off valves, un-thread the finger-tight knurled closure nuts, remove the isolating pads and allow the unit to be lowered a ½ inch or so for removal. Once free of the connections, the unit can be serviced in place or can easily be carried to a more convenient location.

Next, remove the vee-clamp (½ in. hex nut), carefully remove the cover and lift the module from the bowl. Rinse loose dirt from the bowl, check to be sure the pedestal is in place before installing 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 {	¾ inch Sweat Adapters	2 }
11		1 inch Sweat Adapters	
12	100424	Pedestal	1
13	100421	Dielectric Positioning Pads	3
14	100402	Vee-Clamp Hex Nut	1
15	100501	RS-6SG Module	1



Flow Characteristics of the SEAGULL® IV X-6 Purification System with RS-6SG Module



Rated Flow (1 in. lines)	6 gpm (23 lpm) (see chart)
Cartridge Type	RS-6SG Module
Average Capacity ⁺	6,000 gallon (23,000 Liters)
Particle Retention Rating	0.1 micron nominal (0.4 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 depending on influent water quality. Intended for cold water use. Does not desalinate.

