

INSTALLATION AND PRODUCT USE GUIDE

SEAGULL® IV X-1F

Drinking Water
Purification System



SEAGULL® IV X-1B

Drinking Water Purification System

Read instructions completely before starting.

Follow steps 1 through 11 for system installation. Steps A through F on page 6 are the RS-1SG purification cartridge replacement instructions. An order form is included for assistance in obtaining replacement RS-1SG purification cartridges, and system parts. Configuration dimensions are shown on page 8 at the end of this guide.

Seagull IV X-1F and Seagull IV X-1B drinking water purification systems are designed to operate at pressures ranging from 25 to 125 psi. If pressure surges are a possibility (municipal water supplies), install a Pressure Regulator or Surge Protector on the cold water supply line. This system is intended to be installed to the cold water supply line, downstream of and above the cold water shut-off valve inside the kitchen sink cabinet. (see illustration on pages 2 and 3)

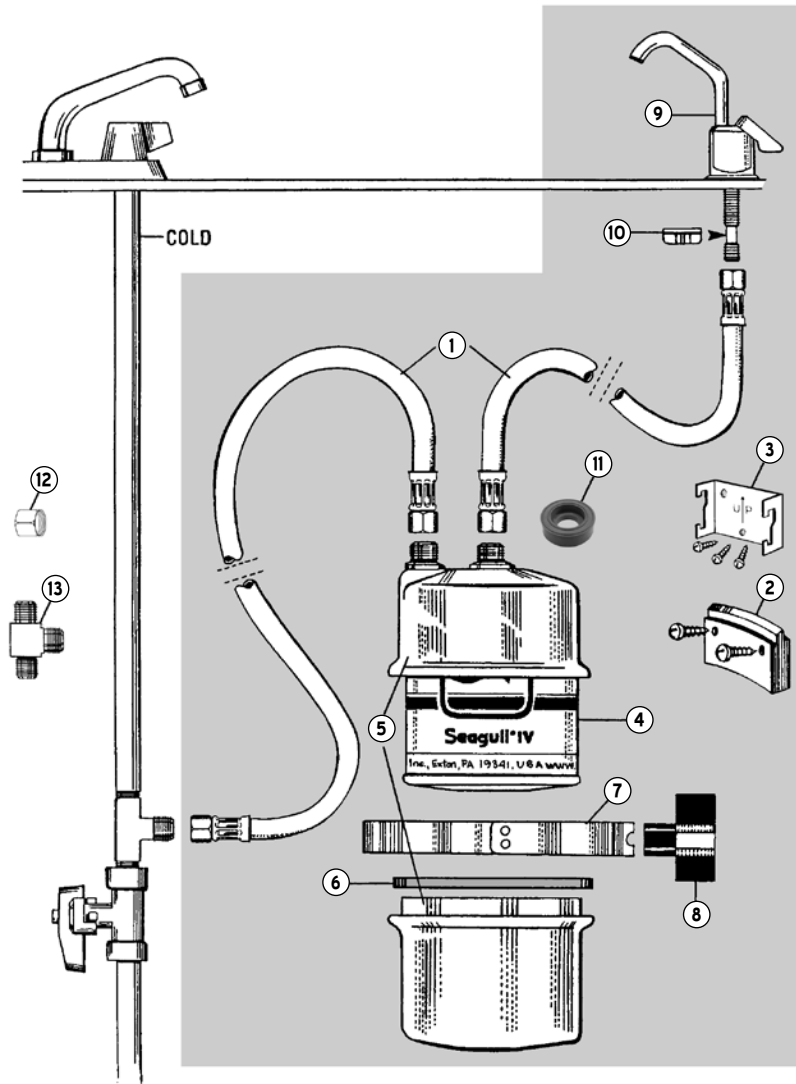
Be sure to close water supply valves before installation. The Connector Hose will fit an **Owner Supplied** Connector T or optional stainless steel Compression T (part number 714358) shown on page 2. Connector branch of **Owner Supplied** Connector T must have $\frac{3}{8}$ " male Compression thread ($\frac{9}{16}$ " - 24 thread). The cold water supply line should be clean and free of construction debris. A $\frac{3}{4}$ " to $1\frac{1}{2}$ " diameter hole is necessary for mounting the easily installed FP Faucet furnished with this unit.



General Ecology, Inc.

supersedes 200712D

SEAGULL® IV X-1F Drinking Water Purifier
Supplied Parts are shown within
the shaded area.

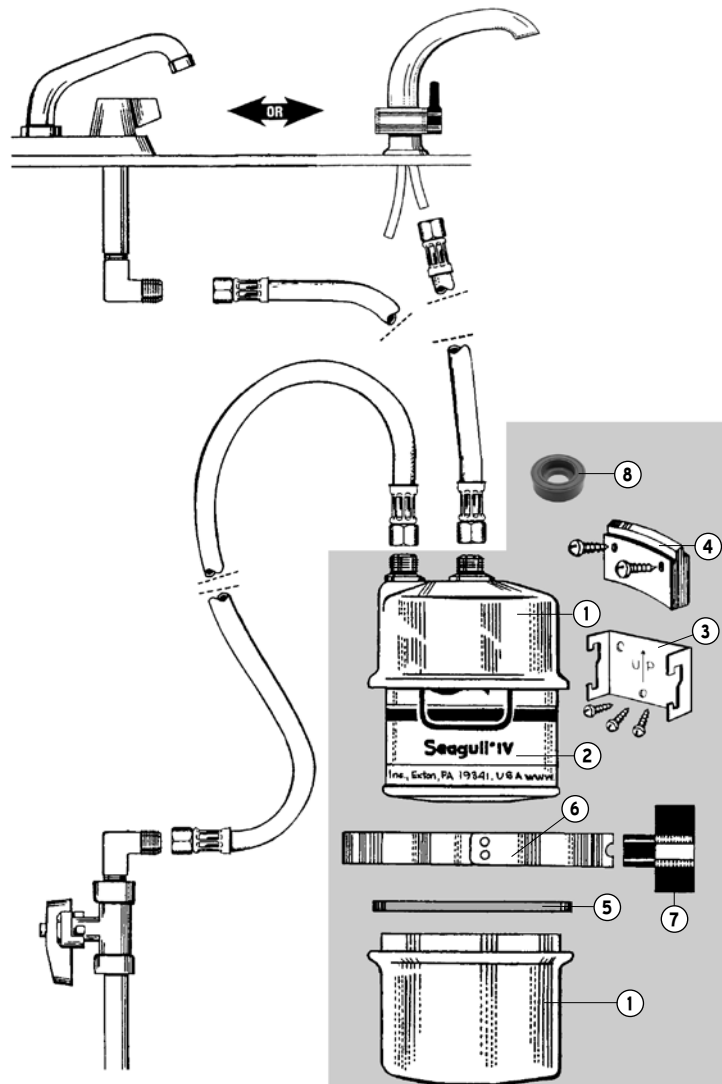


SEAGULL® IV X-1F Drinking Water Purifier Supplied Parts

No.	Description	Qty.	Part No.	No.	Description	Qty.	Part No.
1	30" Female Compression Thread 3/8" Braided Connector Hose	2	800344	8	Wing Nut for V-Clamp	1	710032
2	Mounting Bracket Kit with 2 screws (Residential) or	1	700063	9	Faucet, FP threaded	1	707206
3	Bracket Mounting Clip with 3 screws (RV/Marine)	1	700060	10	Faucet Mounting Nut	1	707106
4	RS-ISG Purification Cartridge	1	788000	11	Gasket Cartridge Dark Blue	1	710553
5	X-1 Pressure Vessel	1	N/A	Optional Accessories for either System - Not Included			
6	Gasket Housing Dark Blue	1	710540	12	Female 3/8" Stainless Steel Compression Cap Nut with Gasket	1	800349
7	V-Clamp for Housing	1	710534	13	3/8" x 3/8" x 3/8" Stainless Steel Compression T	1	714358

SEAGULL® IV X-1B Drinking Water Purifier

Supplied Parts are shown within the shaded area.

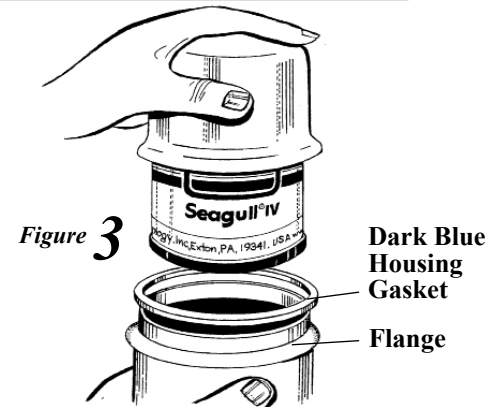
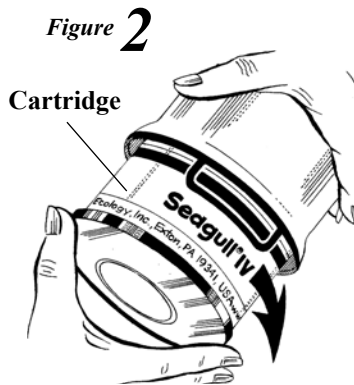
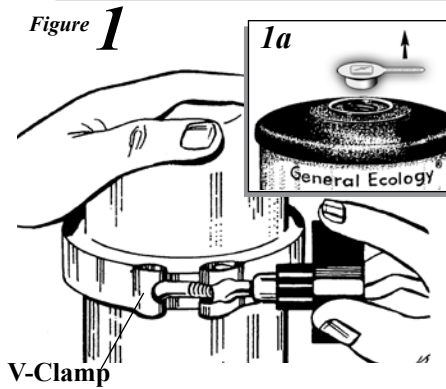


SEAGULL® IV X-1B Drinking Water Purifier Supplied Parts

No.	Description	Qty.	Part No.	No.	Description	Qty.	Part No.
1	X-1 Pressure Vessel	1	N/A	5	Gasket Housing Dark Blue	1	710540
2	RS-1SG Purification Cartridge	1	788000	6	V-Clamp for Housing	1	710534
3	Mounting Bracket Kit with 2 screws (Residential) or	1	700063	7	Wing Nut for V-Clamp	1	710032
4	Bracket Mounting Clip with 3 screws (RV/Marine)	1	700060	8	Gasket Cartridge Dark Blue	1	710553

General Installation Instructions Please retain for future servicing of your SEAGULL®IV Water Purifier

Preliminary: If needed, purchase from local hardware store and install Connector T (available from General Ecology) or Saddle Valve with a $\frac{3}{8}$ " compression outlet in cold water supply line.



1. **Open Canister.** Remove V-Clamp and separate Pressure Vessel upper and lower halves.
 - 1a. **Remove Cover.** Remove small plastic protective cover from your new cartridge by pulling the tab end up (Fig.1a).
2. **Install Cartridge.** Thread Cartridge (Fig.2) into top half of Pressure Vessel (Be careful not to cross thread) until contact is first made with dark blue Cartridge Gasket. **Then tighten $\frac{1}{4}$ turn only. Do not overtighten.** Be sure Pressure Vessel Flanges and Housing Gasket are clean and free of dents, nicks or cuts.
3. **Reassemble Pressure Vessel.** Place Gasket on Flange of lower half of Pressure Vessel (Fig.3) and reassemble V-Clamp, keeping Seagull IV logo upright. The Wing Nut on the Clamp should be tightened snugly, by hand only. **Use no tools to tighten.** You may apply a light coating of petroleum jelly to the housing gasket to assure ease of opening and closing of the system.

Install Top Mount Faucet - SEAGULL IV X-1F System

It is important to note control handle position and "pull direction" to insure adequate clearance.

Also note the "swing feature" of the faucet's spout that allows many different mounting options.

Make sure of all clearances **above** and **below** sink before drilling mounting hole.

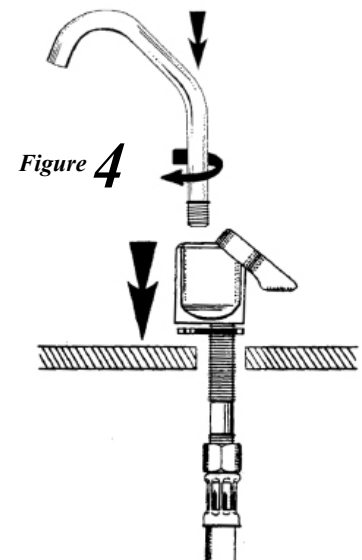
To change "pull direction" of handle

Stainless steel pin

Place Pin on right or left side

To change "pull direction" of handle on faucet, lift handle off stem and reposition stainless steel pin to alternate location. Reinstall handle.

4. **Install Faucet.** The X-1F is furnished with General Ecology's exclusive "Top Mount" Ceramic Disc Faucet. If a suitable hole isn't available, prepare a $\frac{3}{4}$ " hole to install your faucet. Cut out Mounting Pattern supplied on page number 8 and use for rough positioning. Tape pattern in place, then for final positioning, place Faucet on pattern on top of sink and check for correct position of faucet body, spout and lever. Make sure of clearance above and below sink before drilling mounting hole. Porcelain sinks require special care. For best results we suggest you contact your dealer or others with experience in making cutout in porcelain sinks. We have had good success with the following procedure. First cover the area being penetrated with masking or duct tape and, from beneath, drill a $\frac{1}{16}$ " pilot hole upward, a $\frac{1}{4}$ " hole and then a $\frac{7}{16}$ " hole and finally the $\frac{3}{4}$ " hole necessary to mount the faucet. For man-made and stone products consult counter-top manufacturer's guidelines. For stainless steel sinks use a "Greenlee" type punch/die tool. If you do not have a "Greenlee" punch and are installing on stainless, follow the same procedure as on porcelain/cast iron sinks. Be sure sink ledge at drill hole is "flat" and burr free.



5. **Connect Hose** directly to Faucet Stem and tighten securely by hand. **Do not overtighten.** Insert and thread Spout into base. **Do not over tighten** (Fig. 4). Drop free end of Connector Hose through previously prepared hole and position Faucet in hole.

QUESTIONS?
 Call 1-800-441-8166
 for Customer service

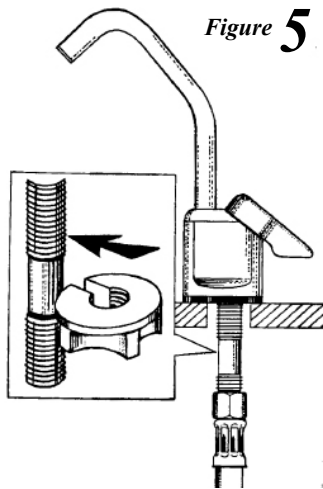


Figure 5

6. **Mount Faucet.** Slide open side of Faucet Mounting Nut onto reduced diameter (Fig. 5), un-threaded section of Faucet Stem now beneath the sink, and slide the Nut upwards to contact the threads. Then carefully engage the threads, being careful to not cross thread. Hand tighten as necessary to hold the Faucet in place, but **do not use tools and do not overtighten.** Check alignment and position of Faucet, and adjust as necessary. (We suggest you practice threading the Nut to the Stem above the sink, prior to the actual installation, to become familiar with the method before installing Faucet to sink.)

Installation of SEAGULL IV X-1F & X-1B Systems

Seagull IV systems are intended to be installed in the cold water supply line, downstream of and above the cold water shut-off valve inside the kitchen sink cabinet (see pages 2 and 3). If pressure surges are a possibility (municipal water supplies), install a Pressure Regulator or Surge Protector on the cold water supply line. Be sure to close supply valves before installation. The cold water supply line should be clean and free of construction debris.

For Seagull IV X-1F system install an owner supplied Compression T in the cold water line to connect to the inlet port on the system.

For Seagull IV X-1B connect an owner supplied hose from the cold water supply line to the inlet port, and a owner supplied hose from the outlet port to the existing faucet.

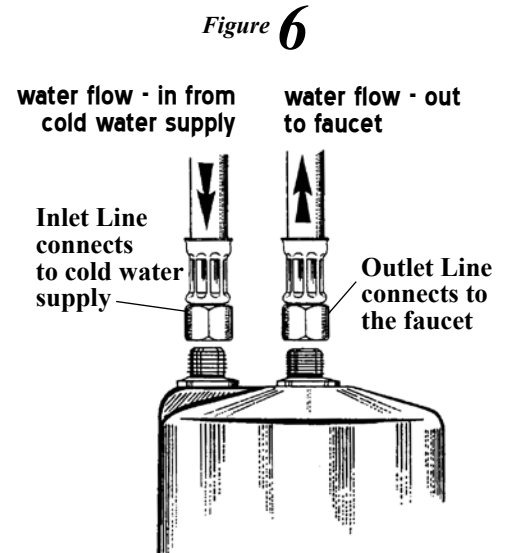
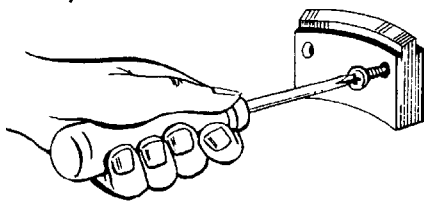


Figure 6

7. **Connect Inlet and Outlet lines.** Connect free end of Thermoplastic Connection Hose from Faucet Stem to Outlet (center) Port on the Pressure Vessel. Tighten securely. **Do not overtighten.** Connect remaining Hose from fitting on cold water supply line to Inlet (outside) Port on top of Pressure Vessel. **Do not overtighten.**

Figure 7



8. **Install Residential Mounting Bracket** (Fig. 7) or **Clip Mounting Bracket** (Fig. 8). Position Mounting Bracket on the inside wall of the sink cabinet. Use the Self-Tapping Screws to securely install the Bracket. Make sure the Bracket location permits access to the cold water valve location and easy access for Cartridge changes.

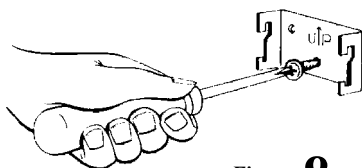


Figure 8

9. **Mount unit on the Residential Bracket** by placing the V-Clamp over the raised section on top of the Bracket (Fig. 9).

10. **Mount unit on the Clip Bracket** as shown (Fig. 10). A cotter pin or other pin, or wire can be inserted in the bracket, above the V-clamp to lock in place (see arrow) after unit is completely on the bracket.

11. **Open the X-1F Faucet** to allow air to exhaust slowly. Open Valve on cold water service line. Check for leaks. Allow water to run for several minutes to clear line and system of air and any loose materials. Please note that for the first few days you may see entrapped air bubbles within the water. This is perfectly normal and will cease after the unit has processed several gallons of water. Also, some black "fines" from inside of cartridge may flow with the first few gallons of water. These are harmless, if consumed, or may be discarded.

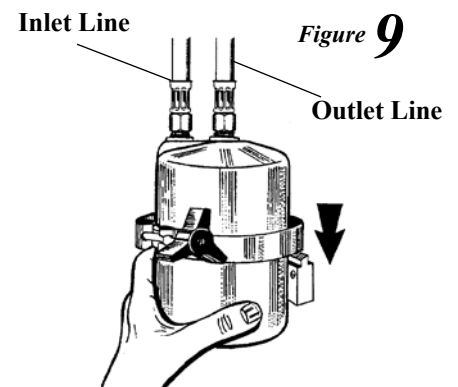


Figure 9

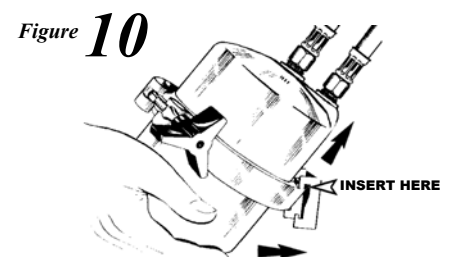


Figure 10

Cartridge Replacement Instructions

All Seagull® IV X-1 units employ a RS-1SG Cartridge. The rated average capacity for the RS-1SG Cartridge is 1,000 gallons. Actual capacity will vary depending on operating conditions and the quality of the water source. Cartridges should be replaced when the flow rate decreases or when foul tastes or odors become apparent, or annually otherwise. Installing a Cartridge is easily accomplished as follows:



- A. Close cold water supply valve.**
- B. Open Faucet**, and keep it open until new Cartridge is installed and operating.
- C. Remove unit from Mounting Bracket**, place over a large sauce pan or other container, remove V-Clamp and drain loose water from Pressure Vessel. (If Pressure Vessel halves remain attached due to "set," pull apart manually or momentarily allow a small amount of water to flow into the unit with the faucet closed to separate the halves. If faucet is closed, be sure and reopen before continuing with next step).
- D. Remove expended Cartridge** by placing plastic bag over it and turning counter clockwise. Close bag and discard. Rinse inside of Pressure Vessel with water and wipe clean with paper towel. Be sure thick

Rubber Cartridge Seal is bonded in place inside the top of the unit.

- E. Align carefully**, and being careful not to cross thread, thread new Cartridge into place **UNTIL CONTACT IS FIRST MADE WITH DARK BLUE CARTRIDGE GASKET, THEN TIGHTEN ONE QUARTER TURN ONLY. DO NOT OVERTIGHTEN.** Please refer to Step 2 and Figure 2.

Reassemble the two stainless steel halves together, making sure the dark blue Housing Gasket is in place between the two halves. **IMPORTANT:** Make sure Gasket is not cut or nicked, and be sure housing has not been dropped or dented on either of the two mating halves.

- F. Refer to Step 11 to place unit back in service.**

HELPFUL HINTS

If you have difficulty separating the upper and lower halves of the pressure vessel, water pressure can help. Turn off cold water supply; remove the V-clamp and close the pure water faucet. With a pan ready to catch water from the unit, slowly turn on the water supply. Once the unit begins to separate, turn off the water supply and proceed according to your **Installation and Operations** instructions.

You may apply a light coating of petroleum jelly to the housing gasket to assure ease of opening and closing of the system.

When a new cartridge is put into service, you may see air bubbles and black particles in the water until the system has stabilized. These are harmless and will be purged from the system within the first few gallons of water.



Beware of imitators' cartridges that make claims to be as good as the RS-1SG purification cartridge. Use only genuine RS-1SG purification cartridges, manufactured by General Ecology, Inc. for the highest level of protection against waterborne disease.

Visit our web site and order online at www.generalecology.com

Order Form

If unable to locate a dealer, cartridges and other parts may be ordered by mailing this form, or fax to our 24 hour fax order line (610) 363-0412 (Please include a daytime phone number.) You may also call 1-800-441-8166 between 8:00 AM - 4:30 PM ET. Please supply the information requested below. No P.O. Boxes, please. U.P.S. shipping charges and state taxes will be added where applicable.

Part No.	Item	Quantity

Please Print Name: _____

Address: _____

City: _____

State: _____ Zip: _____

Phone: (_____) _____

must be filled in

(Circle One)

Charge my: **VISA** **MasterCard** **American Express**

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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Expiration Date

Signature



Send To:
General Ecology, Inc.
151 Sheree Blvd.
Exton, PA 19341 U.S.A.
www.generalecology.com

Seagull® IV X-1P Water Purifier

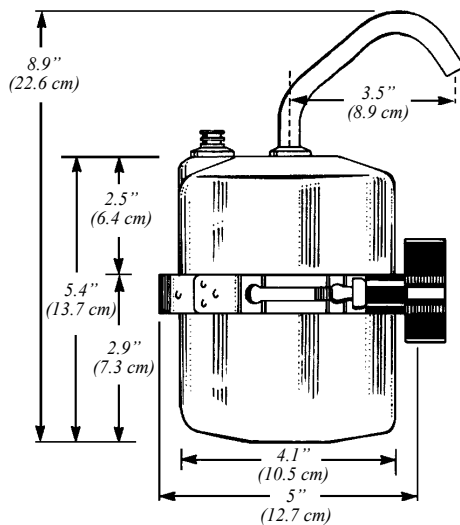
Manual Pump Configuration - Ideal for camping, emergency preparedness, and cottages, anywhere pressurized water is not available.

The Seagull IV X-1P configuration has a double acting pump for more water with less work. Field serviceable pump disassembles for easy cleaning and permits the X-1P water purifier to be used with gravity feed assistance systems. "Quick Disconnect" configuration for quick and easy interchangeability.

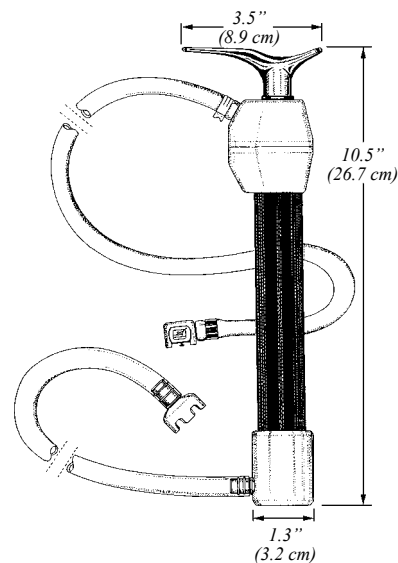


Dimensions of Seagull® IV X-1P Pump Model

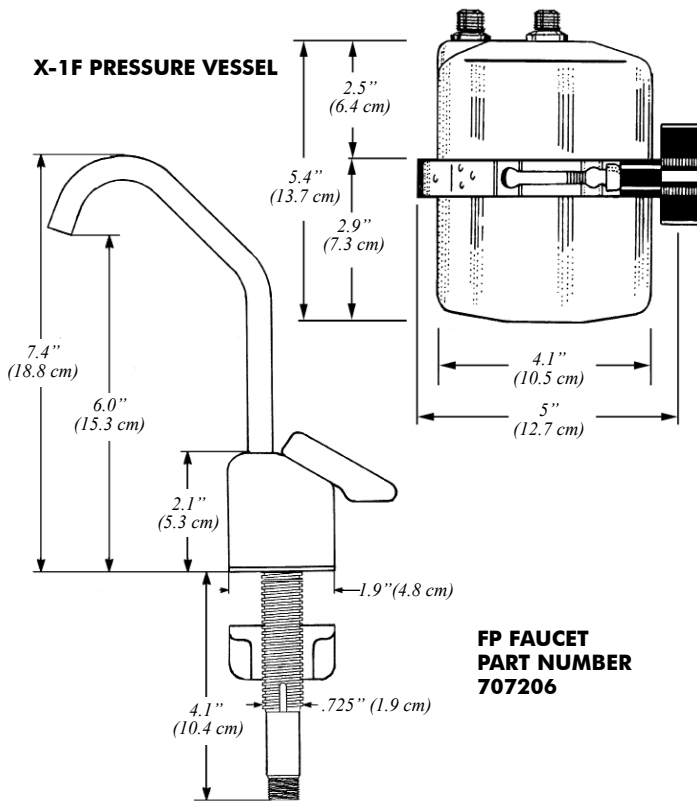
X-1P PRESSURE VESSEL



X-1P PUMP



SEAGULL® IV X-1F Dimensions



Other Great Products Available from General Ecology, Inc.



Faucet Care Instructions

All General Ecology, Inc. purifiers feature stainless steel ports. Faucets are manufactured with the finest components available. However, they require proper care to keep them looking their best.

If properly cared for, these finishes can provide a lifetime of elegance. Chrome finishes can be damaged by abrasive cleaners, in spite of their hardness. To clean faucet surfaces properly, use a small amount of a non-abrasive liquid detergent and a soft wet cloth. Gently rub the soiled surface until the dirt is removed. Then rinse clean and wipe with a dry soft cloth to remove water drops and to prevent spotting. Do not use any abrasive or pumice type cleansers to clean the surfaces of these faucets, or you may permanently scratch or otherwise damage the faucet coating. Hard water may leave mineral deposits or "water spots". If not cleaned regularly, these deposits may resist cleaning with simple liquid detergents. These can usually be removed using a small amount of vinegar applied directly and rubbing with a soft cloth. Heavy deposits may require repeated applications.

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

General Ecology, Inc.

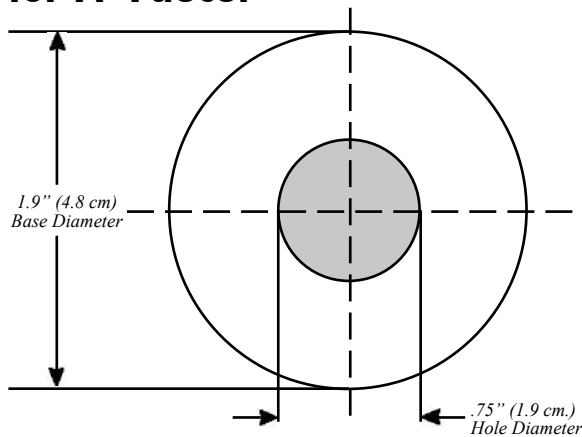
the pure science of safe water™



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Mounting Hole Pattern for FP Faucet



Pattern of Base of FP Faucet Showing Hole Location (Actual Size)