

WG-620



NOV8iON water
— YOUR WATER GUARDIAN™ FOR LIFE —

WHOLE HOME INSTALL GUIDE

NOV8ION.COM | 270-761-7283



1. Installation Precautions

The NOV8iON Water whole home series systems are carefully designed to remove or reduce sediment, odors, most common toxic or carcinogenic contaminants and improve taste. These systems will also minimize scaling and corrosion in your equipment. Follow these instructions with care and we are certain that you will be satisfied with the unit and benefit from its low-cost of operations.

What to know prior to Installation

- ⚠ Do not install where line pressure is outside of 40 - 100 psi, or where temperature is lower than 40°F or exceeds 100°F.
- ⚠ Installation must comply with any existing state or local plumbing codes.
- ⚠ The unit(s) must be protected against freezing. Failure to do so may result in cracking of the filter and water leakage.
- ⚠ The NOV8iON Water Treatment system is designed for cold water line use only. Passing hot water through the system may seriously damage the system.
- ⚠ Filter must be in contact with water at all times.
- ⚠ Recommended pH range is 6 to 8.5.
- ⚠ Recommended inlet pressure 60 psi.
- ⚠ Tools needed: drill, screwdrivers, tube cutters (if hard plumbing: lead free solder, heating device, and flux)

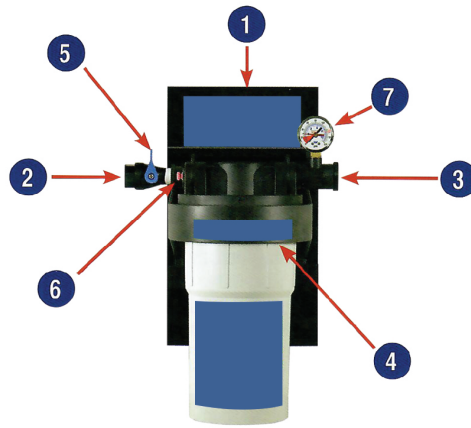
2. Installation

Unpacking

- ⚠ Remove filter system from packaging and inspect for shipping damage. Notify shipping company immediately if damaged.
- ⚠ Carefully lift filter system, using proper lifting techniques (use your legs, not your back) from the box to inspect thoroughly.
- ⚠ Dispose of packing material, so as not to create a tripping hazard during installation.

Positioning Water Filter

- ⚠ The water filter should be mounted upright on a vertical surface without obstructions.
- ⚠ Locate a position that is close to the equipment it will be supplying water to, where it is out of the way of possible damage from day-to-day operations, and where it is accessible for cartridge changeout when needed. There should be a 6" minimum bottom clearance.



Mounting

1. Measure backplate of filter system and mark hole locations on wall. **(See item 1)**
 - a. Insure marks are level. Drill holes for anchors, if required. Anchors must be properly sized to allow for the wet weight of the filter system.
 - b. Secure Water Filter System to wall.

Water Connections

2. Use appropriate 3/4" fittings and tubing to allow for a flow rate of 7 to 15 Gallons Per Minute (GPM) **(See Item 2)**. Do not overtighten fittings into plastic parts! Warranty will be voided if parts are cracked and/or broken due to misuse and/or overtightening!

Use only NOV8iON approved fittings.

- a. Connect water filter inlet to cold water supply. Use approved flexible beverage tubing where possible with correct sized tube clamps. If hard plumbing is necessary then use only lead free solder and protect filter housing from excessive heat. Do not solder within 12" of plastic parts!

3. From outlet of water filter use no less than 3/4" ID tubing to all specified equipment. It is only permissible to decrease line size when multiple lines are being used **(See Item 3)**.

Initializing Water Filter

4. Check to be sure that the cartridge is properly installed. Do this by turning the cartridge counterclockwise when looking at the bottom of the cartridge, and then back clockwise until the positive stop is felt. **(See Item 4)**. (Also see Cartridge Changing Instructions (Page 4) and Troubleshooting Guide **(Page 5)**)
5. Turn inlet ball valve to the "On" position (handle horizontal) slowly allowing water to fill filter system **(See Item 5)**.

6. Purge the cartridge so that there is no air remaining by depressing the red button until a steady stream of water comes out **(See Item 6)**.
7. Purge all air from the drink system water lines by pressing the plain water valve on drink dispenser for approximately 1 minute, or until no air, only water comes out.
8. System is now operational. Go back and check every connection for possible leaks and fix where needed.

Cartridge Change Schedule

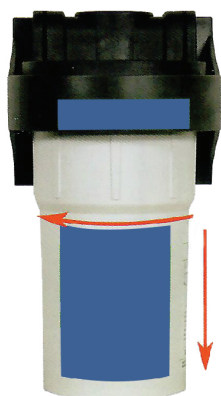
9. Change cartridge when the needle on the pressure gauge (See Item 7) stays in the "Red" area.



- a. When the line pressure downstream of the filter housing drops to 30 psi or below during system operation, the cartridge(s) needs to be replaced. Occasional dips below 30 psi and back are normal.
 - b. See cartridge label for ordering information new cartridge replacements.
 - c. See below for Cartridge Changing Instructions.

3. Cartridge Changing Instructions

Step #1



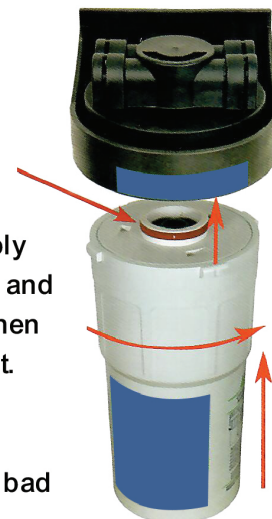
Shut off inlet valve 5. Push "Red" pressure relief button 6 located at left end of NOV8iON Water filter system to relieve pressure until no more water comes out. Grasp filter cartridge, turn counter-clockwise 1/4 turn (when viewed from bottom) and pull downward about 1 1/2" to remove the filter cartridge. Properly dispose of old cartridge.

Step #2

Remove and discard the "Red" sanitary cap from the top of the new cartridge. Be sure to apply sufficient lubrication (supplied) to the O-Rings. Align ear on cartridge with notch in filter head and push upwards to insert. Be sure to push cartridge all the way in! Turn cartridge clockwise (when viewed from bottom) until a definite stop is felt and cartridge is sealed. Hand tight is sufficient. Turn on inlet valve 5 Flush for five minutes.

It is recommended that the cartridge be changed when pressure drops significantly, or when bad tastes and/or odors return.

Lubricate
O-Rings



4. Troubleshooting Guide

Leaks

All NOV8iON Water Filter Systems are factory pressure tested. It is normal to experience leaks of a few drops of water at the various O-Ring sealed junction points at initial Start-Up only. This will subside after a few minutes as soon as the O-Rings become under pressure and seat properly. For any leaks lasting longer than this, or those that are more than a few drops, please see the troubleshooting points below. Note: The inlet valve (5) must be turned "OFF" (handle in vertical position), and pressure relieved by pushing the "Red" pressure relief button (6) before attempting to fix any leakage problems.

Leaks at Threaded Connection Points

This type of leak should be repaired by removing the fitting and applying additional thread sealant compound. Do not attempt to repair by tightening the fitting more! Overtightening fittings into plastic parts may cause the plastic to crack. This type of damage is considered abuse, and not covered by the warranty!

Leaks at Junction of Modular Fittings to Filter Head

If leaking persists at the junction points, remove the retainer clip carefully by inserting a screwdriver or other object into the hole and gently prying "UP" to remove. Gently remove the leaking fitting by "pulling straight out". Apply additional lubricant (supplied) to the O-ring and re-insert the fitting by gently "pushing all the way in" until the shoulder on the fitting contacts the filter head. Examine the retaining clip for any cracks from removal and re-insert by "pushing straight down" until it is all the way in. If retaining clip is cracked or stretched in any way, discard it and use a new one (supplied). If the above procedure does not cure the leak, repeat the processes above, replacing the O-Ring (supplied). See **"Figure A"** on page 5.

4. Troubleshooting Guide (continued)

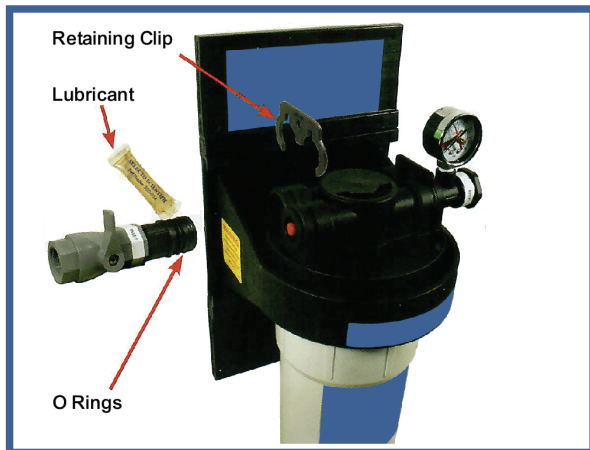


Figure "A"

Leaks Between Cartridge and Filter Head

While looking at the top of the filter system, grasp the cartridge and turn slightly counter-clockwise, when viewed from bottom, and then back clockwise, making sure that the ears on the cartridge are fully engaged into the filter head. The "white" locking ears on the cartridge should be fully visible in the 4 recesses on the "black" filter head. See **"Figure B"** below.

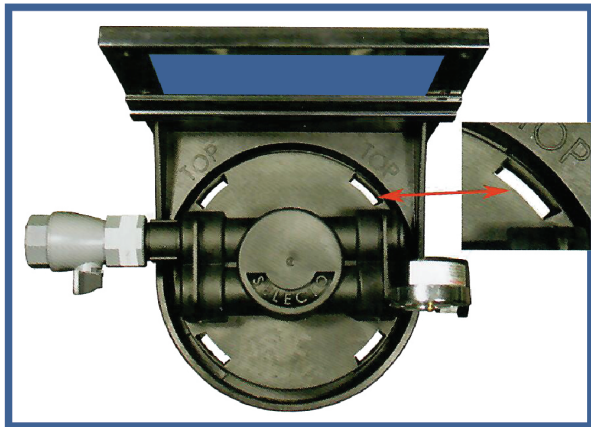


Figure "B"

If leakage persists, remove cartridge by following the procedures outlined in "Step 1" of the Cartridge Changing Instructions on Page 4. Inspect the O-Ring on the top of the cartridge for damage. Replace with a new O-Ring (supplied) and lubricate well with lubricant supplied. Replace the cartridge by following the procedures outlined in "Step 2" of the Cartridge Changing

Changing Instructions on Page 4. See **"Figure C"** at right.

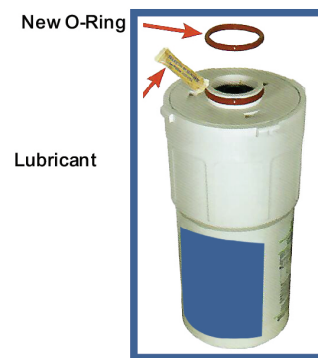


Figure "C"

Bypassing the Filter System

The purpose of the NOV8iON Water Filter System is to provide constant safe, clean and healthy water. Bypassing the system is not recommended. However, in the case of a damaged or clogged filter cartridge, it may sometimes become necessary to bypass the clogged Cartridge. This may be accomplished by removing the filter cartridge by following the procedures outlined in "Step 1" of the Cartridge

Changing Instructions on Page 5, and installing the "By pass Plug" in its place. When installing the "Bypass Plug", it is necessary to properly lubricate the O-Ring using the lubricant provided. Install the plug the same as a replacement cartridge by following the procedures outlined in "Step 2" of the Cartridge Changing Instructions on Page

5. Be certain to properly engage the "Ears" on the "By pass Plug" fully into the round locking tab in the filter head as outlined on the previous page. See "Figure D" below.

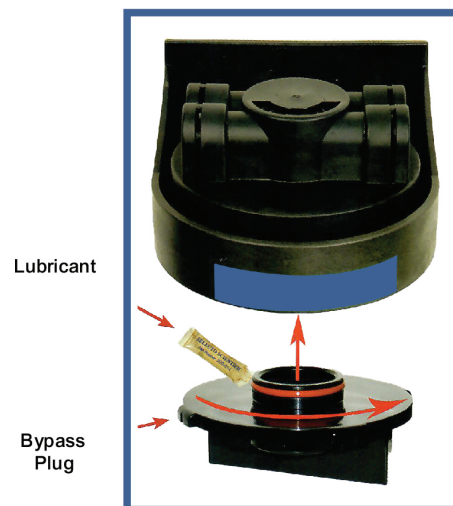


Figure "D"

5. Warranty

CLAIMS POLICY

All claims, whether concealed or not, are the responsibility of the purchaser. Any carton damage or shortages should be noted on the bill of lading at the time of receipt of the shipment, in accordance with I.C.C. Regulations. If the concealed damage or loss is noted by the account while unpacking the shipment, the carrier should be notified immediately, per I.C.C. Regulations.

NOV8iON Water must be notified, in writing, including a copy of the carrier's claim form, of any damage or loss claims with 15 days. Failure to so notify NOV8iON Water releases NOV8iON Water from any liability.

WARRANTY POLICY

NOV8iON Water warrants the Product to be free of defects in material and workmanship. Any defects will be remedied in the manner provided below.

The Systems Manifold on the Product carry a five (5) year unconditional warranty for parts. Any modular changes or abuse voids warranty. Warranty together with any and all warranties implied by law, shall be limited to a duration of one (1) year on all other parts and components.

This Warranty does not apply to defects or damage due to abuse, neglect, misuse, accident, alteration, freezing, fire or damage not caused by NOV8iON. In no event will NOV8iON be liable for incidental or consequential damages from a defective unit or improper installation. CHECK ALL CONNECTIONS FOR LEAKS BEFORE OPERATING THE UNIT.

NOV8iON Water's responsibility under this warranty shall be to replace, at its expense, any component that is actually defective, or otherwise in violation of this Warranty. If NOV8iON for any reason cannot replace a component covered hereby within three (3) weeks after receipt of the defective component or unit, then NOV8iON's responsibility shall be to replace the defective component with a comparable new component at no charge. NOV8iON's obligations of repair or replacement are conditional upon return of the defective component or product to NOV8iON Water. If any Product covered hereby is actually defective within the terms of this warranty, then NOV8iON will bear all reasonable and proper return shipping or mailing charges incurred in the return of the component or product as set forth herein. If the component or product proves not to be defective within the terms of this Warranty, then all costs and expenses in connection with processing of the consumer's claim hereunder shall be borne by the consumer.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE. THIS WARRANTY IS VALID ONLY IN THE CONTINENTAL UNITED STATES. THE USE OF REPLACEMENT FILTER CARTRIDGES OTHER THAN NOV8iON BRANDS VOIDS ALL WARRANTIES.

PERFORMANCE GUARANTEE

NOV8iON Water guarantees that the Product, when properly sized for the application, will perform as specified under normal operating conditions when used with water supplied by a Public Water System in the United States of America. All filter cartridges are NOT guaranteed for the specified life capacity because all water supplies into the home have specific water chemistry and possibly unknown sediment or contaminants. Non-performing filter cartridges will be replaced at a pro-rated basis during the twelve (12) after the purchase date. NOV8iON reserves the right to request the return of any non-performing cartridges. The purchaser will initially be required to pay for shipping cost of any non-performing cartridges claims from the purchaser. If NOV8iON confirms the cartridge is indeed non-performing, NOV8iON will reimburse the purchaser for their shipping expense. Note: Sediment build-up inside any purchaser claimed non-performing cartridge is NOT covered by this Performance Guarantee.

RETURN POLICY

All defective components or units must be pre-approved by NOV8iON Water and accompanied by a NOV8iON Water pre-approved, valid, return materials authorization, RMA clearly marked on the outside of the shipping container. All returned goods must be shipped prepaid to NOV8iON Water from the point of origin. Returns not shipped prepaid or missing a returned materials authorization number will be refused.

NOV8iON Water

Add NOV8iON address here (1607 Sunset Drive Murray, KY 42071)

Phone: 270-761-7283.

www.nov8ion.com