



Installation Guide

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CAUTION!

Read Before Installing

- The recommended pressure setting is 80 psi (5.6 bar). Install a pressure regulator before the housing inlet if water pressure may exceed the Maximum PSI Rating:

MAXIMUM PSI RATING - 100 (6.8 BAR)

- Properly seat the O-Ring inside housing.
- Confirm that the cartridge is inserted properly inside housing body (large by-pass holes at top).
- Softener **MUST** be installed vertically.
- Verify that inflow and outflow are properly attached to inlet and outlet ports, as marked on housing head.



Thank you for purchasing the nuvoH2O water softener. This installation guide provides basic product information and instructions. This guide does not address specific installation solutions.

Parts Included:

- 1 Housing Body
- 1 Housing Head
- 1 Cartridge
- 1 Housing Wrench
- 1 C-Bracket with screws* (for Home System and Studio System)

OR

- 1 L-Bracket with screws* (for Manor System)

Additional Installation Requirements:

How you install your nuvoH2O Salt-Free Water Softener, and the additional parts needed depends on the current plumbing configuration of where you plan to install your new system. Note: The size of the hex bushings, hex nipples, and compression fittings are determined by the size of the pipe in your home. You should be able to pick up the following from any major hardware store:



Teflon Tape



2 each compression fittings, e.g., SharkBite brand



Pipe Cutter



2 each threaded pipe Hex nipples depending on the size of pipe into your home.



2 each Brass Hex Bushing **Note:** Hex sizing can change depending on the size of pipe into your home.



PEX tubing. To extend or rearrange your piping to install the system, consider using simple, flexible, inexpensive PEX tubing along with quick-connect compression joints.



2 each Corrugated or Braided Stainless Steel or Copper Pipes



Studio System - Technical Specifications

For condos, townhomes and apartments that are less than 1000 sq. feet and low water usage.

- Size: 5" x 14"
- Weight: 4.5 pounds
- Water flow: 12-15 gpm with 3/4" ports (minimal change to existing flow)
- Maximum pressure: 100 PSI (6.8 bar)
- Capacity: about 20,000 gallons
- Uses 2" x 10" replacement cartridges
- Built-in pressure relief valve
- FDA & NSF approved

Home System - Technical Specifications

For homes up to about 2,500 sq. ft. and normal water use.

- Size: 5" x 24"
- Weight: 7 pounds
- Water flow: 12-15 gpm with 1" ports (minimal change to existing flow)
- Maximum pressure: 100 PSI (6.8 bar)
- Capacity: about 35,000 gallons
- Uses 2" x 20" replacement cartridges
- Built-in pressure relief valve
- FDA & NSF approved



Manor System - Technical Specifications

For homes over 2,500 sq feet, homes with much higher than normal water use or homes with extremely hard water.

- Size: 8" x 29"
- Weight: 14 pounds
- Water flow: 15-18 gpm with 1.5" ports (minimal change to existing flow)
- Maximum pressure: 100 PSI (6.8 bar)
- Capacity: about 50,000 gallons
- Uses 4" x 20" replacement cartridges
- Built-in pressure relief valve
- FDA & NSF approved



Cartridge Replacement

1. Turn black top to By-Pass or Off (By-Pass will allow water to continue to flow to the rest of the house while you replace the Cartridge). Use the Wrench provided if necessary.
2. Turn the bottom blue Collar counter clockwise and slide down to bottom of the Housing. (Be sure to firmly support the Housing as you loosen the Collar to prevent it from falling). Use the Wrench provided if necessary.
3. Slide the Housing away from the Head.
4. Remove the spent Cartridge and insert the Replacement Cartridge (be sure the two Dispensing Holes are at the top).
5. Inspect the O-Ring at the top of the Housing and ensure that it is seated properly.
6. Slide the Housing back under the Head and lift and tighten the Collar by turning clockwise. Secure the Collar with the wrench provided.
7. Turn the black top to Softener to resume water flow.
8. Check for leaks. If leaks exist, confirm that the bottom Collar is tightened securely to the Head.

If leaks persist, return the black top to By-Pass or Off, remove the Collar, slide the Housing away from the Head and check that the O-Ring is in good condition and properly seated. Reattach the Housing as before and repeat steps 7-9.

INSTALLATION STEPS

For Home System and Studio System

1. Turn off main water supply line leading to the water treatment system.
2. Attach Wall Mounting Panel horizontally to wall studs with provided screws. **Note:** Do not attach bottom screw at this time.
3. Attach C-Bracket horizontally to Wall Mounting Panel under “Softener” label. Note: Right screw should go through right hole on C-Bracket and the lower right hole on Wall Mounting Panel into the right wall stud.
4. Remove Housing Head from Housing Body by detaching the Collar (turn counterclockwise or left - use provided Wrench if necessary).
5. Attach the appropriate nipple (not included) securely into the ports on each side of Housing Head. **Properly attach the inflow and outflow to the inlet and outlet ports in the Housing Head as marked.**
6. Attach Housing Head to wall by inserting the nipples in Housing Head through the side holes in the C-Bracket. **Note:** Softener must hang vertically.
7. Securely connect water supply line inlet & outlet to nipples in Housing Head (connecting pipe not included).
8. Check proper seating of O-ring inside Housing Body.
9. Using the Wrench provided, securely tighten Housing Body to housing Head by attaching the Collar (turn clockwise or right).
10. Turn on water and check for leaks.
11. If leaks occur, confirm that Housing Body is securely attached to Housing Head using Wrench to tighten Collar.
12. If leaks persist, turn off water, remove Housing, and repeat Steps 8-12.

INSTALLATION STEPS

For Manor System

1. Turn off main water supply line leading to the water treatment system.
2. Attach Wall Mounting Panel horizontally to wall studs with provided screws. **Note:** Do not attach bottom screw at this time.
3. Unscrew Black Top of Housing Unit. This is held together with one screw in the middle.
4. Attach L-Bracket facing towards the wall and secure with the four screws provided. **Note:** The L-Bracket must face towards the wall.
5. Replace Black Top of Housing Unit and re-secure with the screw.
6. Attach horizontally to Wall Mounting Panel under “Softener” label. **Note:** Right screw should go through right hole on L-Bracket and the lower right hole on Wall Mounting Panel into the right wall stud.
7. Remove Housing Head from Housing Body by detaching the Collar (turn counterclockwise or left - use provided Wrench if necessary).
8. Attach the appropriate nipple (not included) securely into the ports on each side of Housing Head. **Properly attach the inflow and outflow to the inlet and outlet ports in the Housing Head as marked.**
9. Attach Housing Head to wall by inserting the nipples in Housing Head through the side holes in the L-Bracket. **Note:** Softener must hang vertically.
10. Securely connect water supply line inlet & outlet to nipples in Housing Head (connecting pipe not included).
11. Check proper seating of O-ring inside Housing Body.
12. Using the Wrench provided, securely tighten Housing Body to Housing Head by attaching the Collar (turn clockwise or right).
13. Turn on water and check for leaks.
14. If leaks occur, confirm that Housing Body is securely attached to Housing Head using Wrench to tighten Collar.
15. If leaks persist, turn off water, remove Housing, and repeat Steps 11-15.

Installation Examples



Whole-House System

This customer installed the nuvoH2O system in their garage where the water main line entered the house from the street.

Remember the nuvoH2O system does not require electricity.



Whole-House System

Although the nuvoH2O system has a built-in shut-off and by-pass valve, this customer had an existing by-pass loop from a previously installed salt-based system. He easily attached the nuvoH2O system to the by pass loop.



Manor System

This customer replaced his old salt water softener with the nuvoH2O system using copper pipe. Because of spacing issues between studs he used a 2 x 4 to insure stability. With the Manor System you could install this system without using the wall mount provided. Simply use the L-Bracket provided and attach securely to your studs.

Troubleshooting Checklist

Please run through the following checklist to make sure the system is installed and operating correctly:

- Confirm that your water inlet and outlet lines are connected to the correct ports on the System Head (the ports on the sides of the Head are labeled either "IN" or "OUT"). If not correctly attached, you must reverse the lines.
- System must be installed vertically (the water line should enter and exit the system on its sides--rather than top and bottom).
- Confirm that the Cartridge is inserted correctly (the two holes on the side of cartridge housing should be at top). To check, remove the Cartridge by turning the By-Pass valve in Head to "By-Pass" or "Off" (use provided Wrench), and open the System by unscrewing the Collar (use the provided Wrench) and separating the Body from the Head.
- After reconnecting the Body to the Head, Confirm that the By-Pass valve is turned to "Softener" (rather than "Off" or "By-Pass"), according to the label on the Head. You should hear a click and possibly have some water leak out of the Head when turning to and from the By-Pass setting.
- Confirm that you do NOT have any type of carbon based water filter installed anywhere downstream from the softener system. Filters must be installed upstream (ahead) of the softener to avoid interfering with its performance. A POU (point-of-use) filter installed at a single sink is fine and will only interfere with the water coming from that faucet from being properly treated.

Please give us a call if you have any questions about the procedure, and we can talk you through it.

Money-Back Guarantee



We're so confident in the performance of the nuvoH2O Salt-Free Water Softeners, that if you are not completely satisfied within the first 90 days from the date you bought it, you may return it for a full refund of your purchase price, less shipping and handling.

Everyone's water quality is different. If you're not getting the results you expect, we may be able to help you adjust the treatment level from your softener to improve your water quality. Please contact us if we can be of any assistance.

Lifetime Warranty

The nuvoH2O Salt-Free Water Softeners are so dependable that you can count on enjoying healthy, salt-free soft water for your lifetime. In the unlikely event that you have trouble with your softener, nuvoH2O will, at its option, repair, modify, or exchange it at no cost to you. This lifetime warranty is fully transferable with the sale of your house. To qualify for the lifetime warranty use only genuine replacement cartridges from nuvoH2O.

Installing this system in direct sunlight or unprotected outside your home will VOID this warranty.





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