

Whole-Home 3-Stage System

Basic Installation Guide

WaterGnome SKUs: WG-ESS / WG-ADV / WG-ULT | Farris platform: FL3B20 family

IMPORTANT - BASIC REFERENCE ONLY

This guide is intended to help a qualified plumber or water-treatment installer identify the basic installation layout. It is not a substitute for professional training, local plumbing/electrical codes, permits, inspection requirements, product labels, or the current instructions supplied with the actual components. The installer is responsible for verifying the equipment, flow direction, operating limits, materials, connections, code compliance, and safe commissioning before placing the system in service. If this guide conflicts with markings or instructions on the equipment, the equipment/manufacture instructions control.

Before You Begin

- Inspect all cartons and components for shipping damage. Do not install a visibly damaged pressure-bearing component.
- Confirm the model/SKU and all components against the customer order before cutting plumbing.
- Locate and read all flow arrows, IN/OUT markings, pressure/temperature ratings, electrical labels, and component-specific warnings on the actual equipment.
- Verify a suitable installation location with access for future filter/media replacement and service.
- Verify the installation location is protected from freezing, direct weather exposure, impact, and other conditions outside the equipment ratings.
- Confirm the home plumbing can be isolated and depressurized safely and that required permits/backflow/thermal-expansion provisions are addressed under local code.
- Verify actual static and dynamic water pressure is within the ratings of every installed component. Add or adjust pressure regulation when required by the equipment or local plumbing conditions.

DO NOT GUESS

Do not assume flow direction, port function, controller programming, tubing connection, electrical requirement, or pressure rating. Verify each item from the actual component markings and current manufacturer documentation.

Systems Covered

System	Supplied 20-inch Cartridges	WaterGnome SKU
Essential	Sediment + Carbon Block + FilterSorb SP3	WG-ESS
Advanced	Sediment + Catalytic Carbon + FilterSorb SP3	WG-ADV
Ultimate	Carbon Block + Catalytic Carbon + FilterSorb SP3	WG-ULT

Approximate assembled WaterGnome 3-stage housing dimensions: 24.5 in W x 27.5 in H x 8 in D. Allow additional working clearance for plumbing and sump removal.

Typical Location & Flow

COLD WATER SUPPLY -> MAIN SHUTOFF / PRESSURE CONTROL -> WATERGNOME 3-STAGE SYSTEM -> HOME

Where a point-of-use RO system is also installed, the RO normally connects to a cold-water branch downstream of the whole-home treatment. Follow actual flow arrows on the WaterGnome assembly; do not infer direction from left/right position alone.

Basic Installation

1. Select a structurally sound location on the main cold-water line with enough clearance to remove all three filter sumps for service. Keep the equipment accessible; do not bury it behind permanent finishes.
2. Shut off the water supply and relieve line pressure safely. Protect the work area from residual water.
3. Mount and support the bracket/housing assembly securely. The plumbing should not be used as the sole structural support for the loaded assembly.
4. Provide isolation and bypass capability as appropriate for the property and local code so the home can be supplied while the system is serviced.
5. Connect the incoming supply and outgoing service piping to the correctly marked IN and OUT ports. Use plumbing materials and transition fittings appropriate for the existing piping and local code.
6. Before installing cartridges, confirm the O-rings are present, clean, undamaged, lightly seated in their grooves, and that each cartridge matches the labeled stage. Do not substitute the cartridge sequence based only on appearance.
7. Install each sump squarely. Hand-tighten, then use only the amount of additional tightening needed to seal according to the housing instructions. Do not use excessive force on plastic housings.
8. Slowly re-pressurize the assembly while a downstream cold-water fixture is open to release trapped air. Avoid a sudden pressure surge.
9. Inspect every housing, cap, fitting, union, valve, and transition for leakage under static pressure and again under flow.
10. Flush the system to a suitable drain/fixture until startup cloudiness, loose carbon fines, or trapped air clears. Follow any cartridge-specific startup instruction printed on the supplied media/filter.

FILTERSORB SP3

FilterSorb SP3 is a scale-conditioning medium, not an ion-exchange water softener. It does not remove hardness minerals. The supplied FilterSorb cartridge must be installed in the stage and flow orientation identified on the actual WaterGnome assembly/cartridge. Do not add phosphate or other antiscalant chemicals unless specifically approved for the installed equipment.

Commissioning Checklist

- ☐ Actual IN/OUT flow direction verified from equipment markings.
- ☐ Bracket/system is mechanically supported and service clearance is available.
- ☐ All three cartridges match the ordered WaterGnome configuration and labeled stages.
- ☐ System filled slowly and air purged without pressure shock.
- ☐ No visible leaks at static pressure or while water is flowing.
- ☐ Downstream flow is acceptable for the home.

☐ Customer shown main shutoff/bypass location and advised to inspect for leaks after installation.

Do Not

- Do not reverse the system flow direction.
- Do not install where the assembly can freeze or where outdoor exposure exceeds component ratings.
- Do not overtighten filter sumps or threaded plastic ports.
- Do not leave unsupported piping loads hanging from the filter head/bracket.
- Do not place the system into service with a missing/damaged O-ring, cracked housing, or unidentified cartridge.

Installation Responsibility & Warranty Note

WaterGnome does not supervise the installer and cannot verify site conditions. The installer/contractor is responsible for workmanship, code compliance, proper materials, leak-free connections, pressure control, support, drainage, electrical work, commissioning, and confirming the completed installation is safe and suitable for the property. Improper installation, freezing, pressure spikes, water hammer, misuse, unauthorized modification, or other external plumbing/site conditions may be excluded from warranty coverage. Refer to the current WaterGnome Returns & Lifetime Limited Parts Warranty for complete terms.