



GE SmartWater™

Drinking Water Filtration and Water Softening Systems



Introducing The
GE Profile Performance Series™

GE Profile™

GE Appliances

We bring good things to life.

*GE Appliances is the
1st
Appliance Manufacturer
in America to Offer
a Whole Home
Water System.*

GE SmartWater.™ Quality Water, Quality Lifestyle!

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The GE Appliance Lines

Individuality is the combination of qualities that distinguish one person from all others, making each of us unique. GE Appliances honors this individuality by offering three distinctive lines: the GE Profile Performance Series,™ GE Profile,™ and GE. So everyone can choose the line that's right for them, from a company they've known and trusted for years.

Look for this color-coding system throughout this brochure to easily identify brand, product and features.

GE Profile Performance Series™

GE Profile™

GE Appliances



GE Profile Performance Series™



GE Profile™



GE

GE SmartWater™ Whole Home Systems

What Is A GE SmartWater™ Whole Home System?

A GE SmartWater™ Whole Home System* combines the benefits of both drinking water filtration and water softening providing high-quality water for drinking, cooking, bathing and showering. Homeowners may not know the quality of the water coming into their homes, but they know and trust the GE brand—one of the most trusted names in the world. See, feel and taste the difference immediately with a GE SmartWater™ Whole Home System.

Why Include a GE SmartWater™ Whole Home System?

75% of all Americans are concerned about the quality of their water.**



Drinking Water Filtration Systems

A water filtration system removes unpleasant tastes and odors from drinking water and reduces undesirable elements. Filtered water eliminates the expense and inconvenience of purchasing bottled water at a store or scheduling home delivery of bottled water.

Undesirable elements can adversely affect water used for drinking and cooking. GE SmartWater™ Filtration Systems reduce the following undesirable elements:†

- | | |
|---|--|
|  Taste and Odor <ul style="list-style-type: none">• Ammonia• Chlorine |  Sodium |
|  Sediment <ul style="list-style-type: none">• Rust• Dirt |  Organic/Inorganic Chemical Contaminants <ul style="list-style-type: none">• Copper• Pesticides• Herbicides |
|  Lead |  Cysts <ul style="list-style-type: none">• Cryptosporidium• Giardia |
|  Nitrates/Nitrites | |



Water Softening Systems

A water softening system enhances the quality of water throughout the home, from the kitchen to the bath, and from the laundry room to the basement or garage. By reducing hard water and mineral build-up, a water softening system refines one of the most basic essential elements of the home.

GE SmartWater™ Softening Systems provide quality water throughout the home, from the way you feel after showering, to the performance of your appliances.

- Skin feels smoother and softer
- Reduced spotting of dishes and glassware
- Laundry is brighter, cleaner and softer; life of clothing is increased
- Less detergent needed for clothes washer and dishwasher
- Easier cleaning of showers, tubs and sinks due to decreased soap residue
- Helps reduce scale build-up in pipes which can reduce water flow
- Water heater efficiency on systems using softened water may be increased up to 22% if heating with electricity, up to 29% if heating with gas.††

*For the full benefits of a Whole Home System, install a GE SmartWater™ filtration system not only in the kitchen, but wherever you drink water—including a wet bar or bathroom.

**Source: Water Quality Association

†Elements removed are not necessarily present in your water. See product specification sheets, packed with product, for specific elements reduced by model, or call the GE Answer Center® toll-free 800.626.2000.

††Based on a study conducted by New Mexico State University

How Does A GE SmartWater™ Whole Home System* Benefit Your Home?



Bathroom

- Easier to clean showers, tubs and sinks due to reduction of hard water scaling (less soap residue)
- Softer and smoother skin

Nursery

- Filtered water for use with baby formula

Kitchen

- Better tasting water for drinking, cooking and making beverages
- Lower ownership cost of filter system vs. bottled water
- Cleaner dishes, glassware and china by reduced spotting
- Reduces detergent use
- Eliminates hard water-related dishwasher service issues

Laundry Room

- Clothes are softer, cleaner and brighter
- Increases clothing life
- Reduces detergent use
- Eliminates hard water-related washer service issues

Basement/Garage

- Water heater efficiency on systems using softened water may be increased up to 22% if heating with electricity, up to 29% if heating with gas.**
- Helps reduce scale build-up in pipes, which can reduce water flow

Represents GE SmartWater™ Filtration Benefits

Represents GE SmartWater™ Softening Benefits

GE SmartWater™ Whole Home Systems

*For the full benefits of a Whole Home System, install a GE SmartWater™ filtration system not only in the kitchen, but wherever you drink water—including a wet bar or bathroom.

**Based on a study conducted by New Mexico State University.

GE SmartWater™ Filtration Benefits

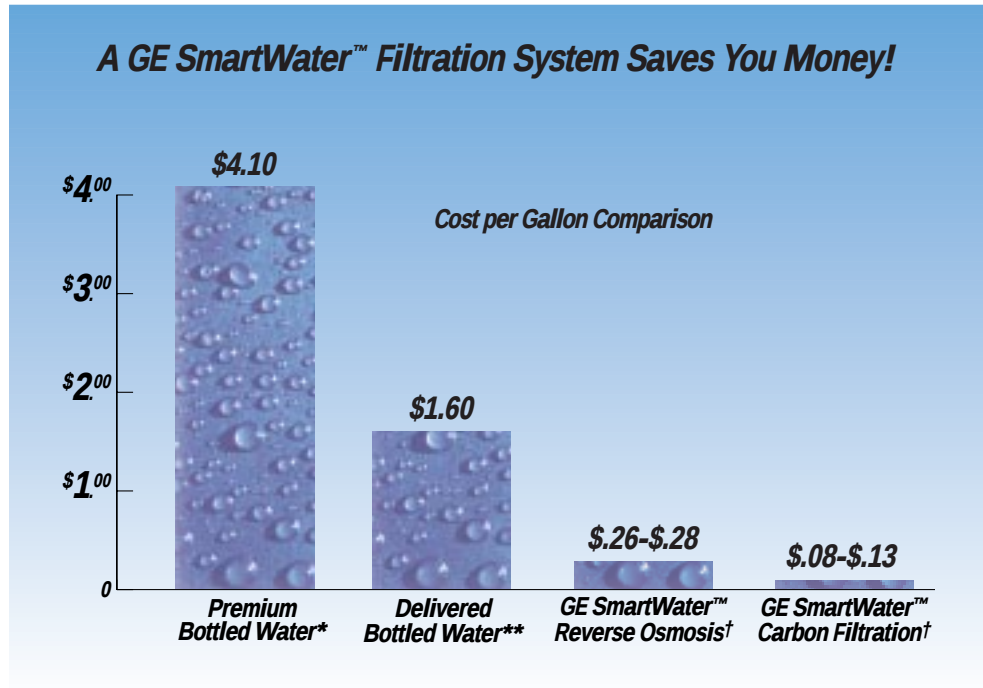
75% of all Americans are concerned about the quality of their water.^{††} Homeowners are looking for water solutions from a name they can trust—GE. A GE SmartWater™ Filtration System removes unpleasant tastes and odors, such as chlorine, from drinking water and reduces undesirable elements that can adversely affect water used for drinking and cooking.

GE SmartWater™ Filtration Systems vs. Bottled Water



Saves you money!

Eliminates the expense and inconvenience of purchasing bottled water at a store or scheduling home delivery of bottled water.



GE SmartWater™ Filtration Systems—Quality Water For Drinking And Cooking



Better tasting water for drinking and making beverages such as coffee, tea and juice.



Ideal for use with baby formula. Provides the added assurance of reducing undesirable elements from drinking water.



Cooking with filtered water provides great tasting foods.



Provides for great tasting water and ice. For added convenience of filtered water and ice through your refrigerator dispenser, an optional hook-up kit is available. See inside back cover.

^{††}Source: Water Quality Association

*National average price of "premium" bottled water.

**As compared to \$1.60 per gallon for delivered bottled water.

[†]GE SmartWater™ estimate is calculated by dividing the number of gallons by consumer cost of product, installation and replacement filters.

Dual Carbon Filtration Systems

Monitored GE Systems

THESE MODELS FEATURE:

SmartWater™ Faucet with Electronic Monitor Separate faucet is used only when filtered water is needed, extending filter life. Indicator light on the faucet base shows when filters need replacement.



Amber "Filter" Light: Indicates when to replace filters for the highest quality water.

Note: Batteries are included. Filter Cartridges should be changed every six months, when monitor indicates replacement, or if faucet water pressure drops.

Simple Installation

Can be installed easily undercounter, in basement or other convenient location.

Filter Options Model specific filters are included with filtration system selected (see options shown); or model is available without filters (Model GXEM01Z).

NSF Approved NSF is the most highly recognized independent testing institution in the water treatment industry. NSF inspects, tests and certifies our product performance. See page 17 for details.



GE GXEM01Z

(filters sold separately)

- Model is customized based on water quality needs
- Filters must be purchased separately



GE GNUT05Z (filters included) Taste and Odor Reduction Model

System rated for 3000 gallons of water

Filter I

- Reduces unpleasant tastes and odors, dirt, rust and sediments

Filter II

- Reduces unpleasant tastes and odors
- Reduces 99% chlorine



GE GNUV10Z (filters included) Chemical Reduction Model

System rated for 500 gallons of water

Filter I

- Reduces unpleasant tastes and odors, dirt, rust and sediments

Filter II

- Reduces certain organic chemical contaminants as well as pesticides and herbicides*
- Reduces 99% chlorine

*See product specification sheet, packed with product, for specific elements reduced by model, or call the GE Answer Center® toll-free, 800.626.2000.



GE GNUL30Z (filters included) Lead/Cysts Reduction Model

System rated for 1000 gallons of water

Filter I

- Reduces unpleasant tastes and odors, dirt, rust and sediments

Filter II

- **Absolute 1 micron**
- Reduces 99% lead
- Reduces 99.99% filterable cysts (such as cryptosporidium and giardia)
- Reduces 99% chlorine

Dual Carbon Filtration Systems

Reverse Osmosis Filtration System

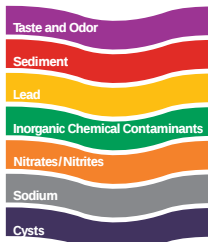
Monitored GE Profile™ System

THIS MODEL FEATURES:

Reverse Osmosis (RO)

Process

GE's best filtration process, which combines dual carbon filtration with reverse osmosis technology, reducing up to 99%* of the following undesirable elements: Taste and odor, Sediment, Lead, Inorganic chemical contaminants, Nitrates/Nitrites, Sodium and Cysts (such as cryptosporidium/giardia). See below for a complete list of undesirable elements reduced.



Extra-Large Capacity provides up to 12 gallons** of high-quality filtered water per day.

SmartWater™ Faucet with Electronic Monitor

Conveniently indicates the performance of the unit and when to replace filters and membrane. Separate faucet is used only when filtered water is needed, extending filter life.

Note: Batteries are included.

Amber "Filter" Light:

The pre-filter and post-filter cartridges need replacement. This occurs after 6 months, or 900 gallons of product water use, whichever occurs first.

Green Light:

The RO system is providing high-quality drinking water.

Amber "RO" Light:

The RO membrane needs replacement.

Simple Installation Can be installed easily undercounter, in basement or other convenient location.

Optional Accessories See inside back cover.

NSF Approved NSF is the most highly recognized independent testing institution in the water treatment industry. NSF inspects, tests and certifies our product performance. See page 16 for details.



GE Profile™ PNRV12ZBL

Reverse Osmosis Filtration System (includes tank) with Chrome on black Faucet and Monitor



Reverse Osmosis Technology combines dual carbon filtration with reverse osmosis.

Dual Carbon Filtration absorbs many common organic contaminants that contribute to an unpleasant taste and odor as well as sediments and dirt.

Reverse Osmosis a process in which water passes through a semipermeable membrane and automatically screens out and filters undesirable elements out of the system.

Models PNRV18Z and PNRV12Z reduce the following undesirable elements*:

Ammonia	Cysts	Selenium
Barium	Fluoride	Sodium
Bicarbonate	Lead	Sulfate
Bromide	Magnesium	Tannin
Cadmium	Mercury	Zinc
Chlorine (residual)	Nickel	Chloride
Chromium	Nitrate	TDS
Copper	Sediment	Nitrite

*Product water produced and percent rejection will vary with changes in pressure, temperature and TDS. Feed water over 10 grains of hardness may effect performance of RO membrane.

*Elements removed are not necessarily present in your water. See product specification sheet, packed with product, for specific elements reduced by model, or call the GE Answer Center® toll-free, 800.626.2000.

**As tested and validated by the Water Quality Association using Standard S-300.

Note: Depends on water pressure, temperature and total dissolved solids.

Reverse Osmosis Filtration System

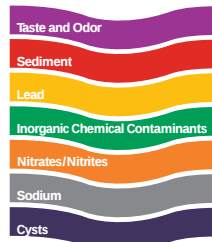
Monitored GE Profile Performance™ System

THESE MODELS FEATURE:

All-In-One System Space-saving design installs in less space than conventional models.

Reverse Osmosis (RO) Process

GE's best filtration process, which combines dual carbon filtration with reverse osmosis technology, reducing up to 99%* of the following undesirable elements: Taste and odor, Sediment, Lead, Inorganic chemical contaminants, Nitrates/Nitrites, Sodium and Cysts (such as cryptosporidium/giardia). See page 8 for a complete list of undesirable elements reduced.



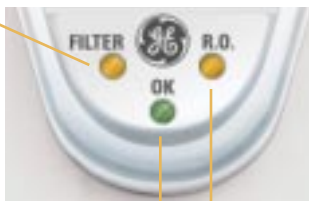
Super Capacity provides up to 18 gallons** of high-quality filtered water per day.

SmartWater™ Faucet with Electronic Monitor

Conveniently indicates the performance of the unit and when to replace filters and membrane. Separate faucet is used only when filtered water is needed, extending filter life. Note: Batteries are included.

Amber "Filter" Light:

The pre-filter and post-filter cartridges need replacement. This occurs after 6 months, or 900 gallons of product water use, whichever occurs first.



Green Light:

The RO system is providing high-quality drinking water.

Amber "RO" Light:

The RO membrane needs replacement.

Designer-Style Faucet Allows you to customize the faucet color to complement the kitchen (see right for model/color selections).

Installation Flexibility Can be installed vertically or horizontally undercounter, in basement or other convenient location.

Optional Accessories See inside back cover.

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GE Profile Performance Series™

PNRV18ZWW

Reverse Osmosis Filtration System with White on white Faucet and Monitor



GE Profile Performance Series™

PNRV18ZBB

Reverse Osmosis Filtration System with Black on black Faucet and Monitor



GE Profile Performance Series™

PNRV18ZWH

Reverse Osmosis Filtration System with Chrome on white Faucet and Monitor



GE Profile Performance Series™

PNRV18ZBL

Reverse Osmosis Filtration System with Chrome on black Faucet and Monitor

*Elements removed are not necessarily present in your water. See product specification sheet, packed with product, for specific elements reduced by model, or call the GE Answer Center® toll-free, 800.626.2000.

**As tested and validated by the Water Quality Association using Standard S-300.

Note: Depends on water pressure, temperature and total dissolved solids.

Reverse Osmosis Filtration Systems

GE SmartWater™ Softening Benefits

85% of the U.S. has hard water.[†] Homeowners are looking for water solutions from a name they can trust—GE. A water softening system enhances the quality of water throughout the home, from the kitchen to the bath, and from the laundry room to the basement or garage. By reducing hard water and mineral build-up, a water softening system refines one of the most basic essential elements of the home.

GE SmartWater™ Softening Systems—Quality Water Throughout The Home.



Provides cleaner dishes, glassware and china by reduced spotting. Reduces detergent use and eliminates hard water-related dishwasher service issues.

Turn a Smart Purchase Into a Smart Investment!

Saves Over \$500 In Energy Costs!*

*Reduces Energy Costs
When used with a new water heater.*

*Improves Water Heater Efficiency
Helps reduce scale build-up in water heater; increases efficiency by as much as 29% (gas) or 22% (electric).**



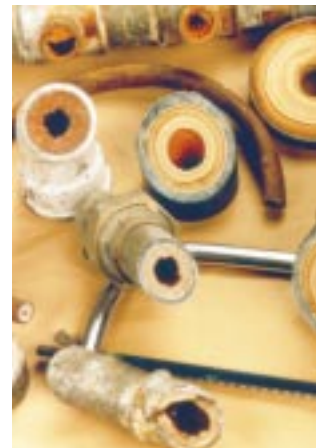
Clothes are softer, cleaner, brighter and last longer. Reduces detergent use and eliminates hard water-related washer service issues.



Reduces hard water build-up (less soap residue) in tub, shower and sink for easier cleaning.



Skin feels smoother and softer for a cleaner feeling.



Helps reduce build-up in pipes and water-using appliances, providing cost savings.

[†]Source: Water Quality Association

*Assuming a typical energy bill over the life of a new electric water heater.

**Based on a study conducted by New Mexico State University.

Water Softening Systems

GE Systems



Water Softening Systems

THIS MODEL FEATURES:

- 18,000 Grain Capacity** Assures an ample supply of soft water.
- 140 lb. Salt Storage** Combined with the compact size means easier salt loading.
- Compact Size Means Installation Flexibility** The compact housing provides installation flexibility; installs in many areas other softeners may not.
- High Efficiency** The salt-efficiency of the unit provides cost savings and convenience. Reduces the need for frequent salt replacement.
- Demand-Initiated Regeneration** Softening system monitors water usage to determine proper amount of salt needed using demand-initiated regeneration (system will use only as much salt as needed).
- Program and Time Memory** Permanent memory maintains hardness and regeneration time settings even if power is off or unit is unplugged for extended periods. Maintains time for up to 6 hours in case of power failure. No batteries needed, unit recharges itself when power is restored.
- 24-Volt Electronic System** Simplifies installation and maintenance.



GE
GNSF18Z

- Installation Kit Included** For installing convenience, a complete installation kit with bypass valve, drain tubing and use & care video is included with product.



- Easy-to-Set Electronic Controls** No calculations or complicated programming. Simply turn it on, set time of day and set the hardness level of your water supply.
- Regenerates Only When Needed** Memory maintains water usage pattern reducing salt usage and assuring an ample supply of soft water.

THIS MODEL FEATURES:

Includes all the convenience features above, plus—

- Large Capacity Means Less Maintenance** A 23,000 grain capacity helps assure an ample supply of soft water and provides for lifestyle changes.
- 200 lb. Salt Storage** Reduces the need for frequent salt replacement.
- High-Efficiency** Large capacity combined with the salt-efficiency of the unit provides cost savings and convenience. Reduces the need for frequent salt replacement.



GE
GNSF23Z

Water Softening System

GE Profile™ System

THIS MODEL FEATURES:

Extra-Large Capacity Means Less Maintenance

A 30,800 grain capacity helps assure an ample supply of soft water and provides for lifestyle changes.

300 lb. Salt Storage Reduces the need for frequent salt replacement.

Demand-Initiated Regeneration Softening system monitors water usage to determine proper amount of salt needed using demand-initiated regeneration (system will use only as much salt as needed).

High-Efficiency Extra-large capacity combined with the salt-efficiency of the unit provides cost savings and convenience. Reduces the need for frequent salt replacement.

Program and Time Memory Permanent memory maintains hardness and regeneration time settings even if power is off or unit is unplugged for extended periods. Maintains time for up to 6 hours in case of power failure. No batteries needed, unit recharges itself when power is restored.

24-Volt Electronic System Simplifies installation and maintenance.



**GE Profile™
PNSF31Z**



Installation Kit Included For installing convenience, a complete installation kit with bypass valve, drain tubing and use & care video is included with product.



Easy-to-Set Electronic Controls No calculations or complicated programming. Simply turn it on, set time of day and set the hardness level of your water supply.

Regenerates Only When Needed Memory maintains water usage pattern reducing salt usage and assuring an ample supply of soft water.

Water Softening System

GE Profile Performance™ System

THIS MODEL FEATURES:

Super Capacity Means Less Maintenance

A 38,600 grain capacity helps assure an ample supply of soft water and provides for lifestyle changes.

300 lb. Salt Storage Reduces the need for frequent salt replacement.

Demand-Initiated Regeneration Softening system monitors water usage to determine proper amount of salt needed using demand-initiated regeneration (system will use only as much salt as needed).

High-Efficiency Super capacity combined with the salt-efficiency of the unit provides cost savings and convenience. Reduces the need for frequent salt replacement.

Easy Reading Backlit LCD Display Eliminates the need for a flashlight to see display in difficult or dark locations.

Program and Time Memory Permanent memory maintains hardness and regeneration time settings even if power is off or unit is unplugged for extended periods. Maintains time for up to 72 hours in case of power failure. No batteries needed, unit recharges itself when power is restored.

24-Volt Electronic System Simplifies installation and maintenance.



GE Profile Performance Series™
PNSF39Z



Installation Kit Included For installing convenience, a complete installation kit with bypass valve, drain tubing and use & care video is included with product.



Easy-to-Set Electronic Controls No calculations or complicated programming. Simply turn it on, set time of day and set the hardness level of your water supply.

Regenerates Only When Needed Memory maintains water usage pattern reducing salt usage and assuring an ample supply of soft water.

Systems Monitor

Advanced electronic water management features:

- **Capacity Remaining**—The data button will indicate how much capacity is remaining and whether or not an extra regeneration is needed.
- **Gallons Used**—Indicates how many gallons of water have been used per day.
- **Average Gallons Used**—Indicates the average gallons used over the past seven days.
- **Flow Rate**—Shows how much water is flowing through the softener.

GE Profile Performance™ SmartWater™ Whole Home System Features:



Sooner or later, you decide it's time. It's time to enjoy more of the good things in life, more of the amenities you've earned. You'll purchase more of the things you want, not just the things you need. Your home will reflect the person you've become. And your appliances will be GE Profile Performance Series™, the most distinctive new products in the Profile line.

GE Profile Performance Series™ delivers more than you might expect, but certainly no less than you deserve. In creating these products, we applied new technology in fresh ways. We strove for a new level, a higher level, of Profile performance. Having achieved that, we introduce a series that offers a truly remarkable level of precision, flexibility, and convenience: GE Profile Performance Series™.

Think of it as a way to reward yourself. You've earned it.



All-In-One Reverse Osmosis System

The space-saving design of the filtration unit installs in less space than conventional models. Allows for installation flexibility.



Designer-Style Faucet with Electronic Monitor

Customize the faucet color of the filtration unit easily and dramatically into kitchens. Whether you select the faucet to match the sink, accompanying kitchen faucet, or the appliances, the effect can be as dramatic or as subtle as you choose.



Super Capacity for Lifestyle Adaptability

The super capacity of the water softening system and the filtration unit is designed to provide an ample supply of quality water, whether its a growing household or unexpected guests for the weekend.



Systems Monitor

The backlit electronic monitor of the water softening system provides unique water management features and system updates at the touch of a button.



Profile Performance Series™

GE Profile™ SmartWater™ Whole Home System Features:



Designed for Style and Integration

With the contemporary design and electronic controls, the water softener no longer has to be placed in the basement or garage, but now integrates with the laundry room and other utility areas.

GE Profile™ is the choice of sophisticated consumers—people who demand smart design, innovative features, and high-performance in the products they select for their homes. The GE Profile™ line provides style and performance through GE innovations.



Reverse Osmosis (RO) Process

Improves the taste and quality of drinking water by removing unpleasant tastes and odors, and reducing up to 99% of undesirable elements.* Enhanced electronic monitor indicates the performance of the unit.

Extra-Large Capacity

The GE Profile™ Whole Home System helps assure an ample supply of quality water.



Profile™

GE SmartWater™ Whole Home System Features:



Easy-to-Use Electronic Controls

The electronic controls on the water softening system are simple to set, monitor water softening functions, and provide high-efficiency for easy maintenance.

The GE brand offers a broad choice of quality products, each delivering the style, convenience, and dependability consumers want. GE has earned a reputation for quality by consistently providing products that satisfy consumers with the features they want.



GE SmartWater Faucet with Electronic Monitor

Electronic monitor conveniently indicates when to replace filters for the highest quality drinking water.



GE Appliances

*Elements removed are not necessarily present in your water. See product specification sheets, packed with product, for specific elements reduced by model, or call the GE Answer Center® toll-free 800.626.2000.

GE SmartWater™ Reverse Osmosis Filtration Systems

	GE Profile Performance Series™		GE Profile™
	PNRV18ZWW PNRV18ZBB	PNRV18ZWH PNRV18ZBL	PNRV12ZBL
Appearance			
Style/Unit Color	All-In-One/Grey	All-In-One/Grey	Bracket/Grey
Filter Housing	Opaque	Opaque	Opaque
Convenience			
SmartWater™ Faucet with Electronic Monitor	●	●	Chrome with black
Designer-Style Faucet	White on white Black on black	Chrome with white Chrome with black	
RO Filtration Indicator	●	●	●
Filter Change Indicator	●	●	●
Undercounter Installation (kit included)	●	●	●
Optional Basement Installation (hardware not included)	●	●	●
Performance			
Production Rate (gpd) As Tested by WQA Standard S-300.	18 gals.*	18 gals.*	12 gals.
Process Water Used (per gal.)	4	4	4
Storage Tank Capacity	1.9 gals.	1.9 gals.	2.1 gals.
Working Pressure	40 min. - 125 max. psi	40 min. - 125 max. psi	40 min. - 125 max. psi
Max. TDS Removal (ppm)	2000	2000	2000
% TDS Removal ** (ppm)	75-92	75-92	75-92
% Cysts Reduction	99.95 effective	99.95 effective	99.95 effective
Max. Hardness	10 grains	10 grains	10 grains
Feed Water pH limits	4-10	4-10	4-10
Operation and Storage Water Temperature	40-100° F	40-100° F	40-100° F
General Features			
RO Membrane	FX18M-Thin Film Polyamid (TFP)	FX18M-Thin Film Polyamid (TFP)	FX12M-Thin Film Polyamid (TFP)
Pre-Filter/Post-Filter	FX18P-Act. Carbon Block/ Gran. Act. Carbon	FX18P-Act. Carbon Block/ Gran. Act. Carbon	FX12P-Carbon Composite
Auto Shut-Off	●	●	●
Faucet Monitor Power Requirement	4 AA batteries (included)	4 AA batteries (included)	4 AA batteries (included)
Supplemental Tank (available at additional cost)	RVTNK1	RVTNK1	RVTNK1
Storage Cabinet (available at additional cost)	RV18CBNT	RV18CBNT	
Icemaker Connection Kit (available at additional cost)	RVKIT	RVKIT	RVKIT
Approximate shipping wt. (lbs.)	16	16	23

*Output according to ANSI/NSF Standard 58 as tested by Spectrum Labs, Inc. is 14 gals. per day. Feed water over 10 grains of hardness may affect performance of the filtration system.

**Feed water = 50 psig, 77°F, pH = 7.5 ± 5 and 750 ppm TDS as sodium chloride. Product water produced, amount of waste and percent rejection will vary with changes in pressure, temperature and total dissolved solids. Feed water over 10 grains of hardness may affect performance of the filtration system.

GE SmartWater™ Reverse Osmosis Filtration Systems reduce the following undesirable elements*:

Ammonia	Mercury
Barium	Nickel
Bicarbonate	Nitrate
Bromide	Sediment
Cadmium	Selenium
Chlorine (residual)	Sodium
Chromium	Sulfate
Copper	Tannin
Cysts	Zinc
Fluoride	Chloride
Lead	TDS
Magnesium	Nitrite

*Product water produced and percent rejection will vary with changes in pressure, temperature and TDS. Feed water over 10 grains of hardness may effect performance of RO membrane.



GE Reverse Osmosis Models PNRV18Z and PNRV12Z Series are tested and certified to ANSI/NSF Standard 58 for TDS and cyst reduction.

NSF Approved

NSF is the most highly recognized independent testing institution in the water treatment industry. NSF inspects our manufacturing facilities, structurally tests our product, tests our product to make sure nothing harmful is added to the water and certifies our product performance as specified on the performance data sheet (inside the product box).

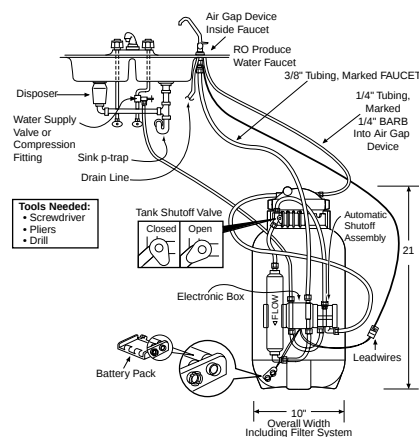
SPECTRUM

The GE Reverse Osmosis models PNRV18Z and PNRV12Z Series have been quality tested by an independent laboratory, Spectrum Labs, Inc.

Caution: Do not use with water that is micro-biologically unsafe or of unknown quality, without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts. This reverse osmosis unit contains a replaceable membrane cartridge treatment component critical for effective removal of Total Dissolved Solids. The water should be tested periodically to verify that the system is performing satisfactorily.

Models PNRV18ZWW/18ZBB/18ZWH/18ZBL

Installation Information (in inches)



Note: R.O. System can be installed up to 30 feet from point-of-use/faucet.

Note: Can be installed undercounter (as shown), in basement, or other convenient location. Before installing, see installation instructions packed with product for complete details.

Replacement Membranes, Pre- and Post-Filters

Call GE Appliance Parts toll-free 800.626.2002 for convenient ordering.

Water Test Kit

To order a water test kit, Pub. No. 27-X017, call 800.626.2000.

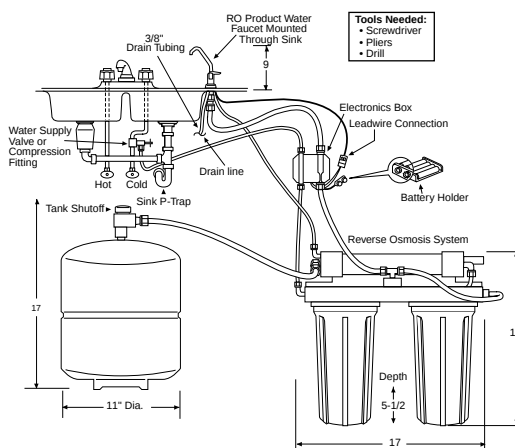
Warranty Information

Full One-Year Warranty – (parts and labor at no additional charge) applies to entire unit, excluding membrane and filters.

See written warranty, packed with product, for details.

Model PNRV12ZBL

Installation Information (in inches)



Note: R.O. System can be installed up to 30 feet from point-of-use/faucet.

Note: Can be installed undercounter (as shown), in basement, or other convenient location. Before installing, see installation instructions packed with product for complete details.

Replacement Membranes, Pre- and Post-Filters

Call GE Appliance Parts toll-free 800.626.2002 for convenient ordering.

Water Test Kit

To order a water test kit, Pub. No. 27-X017, call 800.626.2000.

Warranty Information

Full One-Year Warranty – (parts and labor at no additional charge) applies to entire unit, excluding membrane and filters.

See written warranty, packed with product, for details.

GE SmartWater™ Dual Carbon Filtration Systems

	GE			
	GNUL30Z	GNUV10Z	GNUT05Z	GXEM01Z
Appearance				
Style/Unit Color	Bracket/Grey	Bracket/Grey	Bracket/Grey	Bracket/Grey
Filter Housing	Opaque	Opaque	Opaque	Opaque
Convenience				
SmartWater™ Faucet with Electronic Monitor	Chrome w/black	Chrome w/black	Chrome w/black	Chrome w/black
Filter Change Indicator	●	●	●	●
Undercounter Installation (kit included)	●	●	●	●
Optional Basement Installation (hardware not included)	●	●	●	●
Performance				
Feed Water Pressure (psi)	40-125	40-125	40-125	40-125
Feed Water Temperature (°F)	40-100	40-100	40-100	40-100
Filtered Water Flow (gpm)	0.6	0.6	0.6	0.6
Filter I (Sediment/Taste/Odor)	FXUS	FXUS	FXUS	
Filter cartridge	Activated Carbon	Activated Carbon	Activated Carbon	
Filter II	(Lead,Cysts) FXUL	(Organic Chemical Contaminant) FXUV	(Taste/Odor) FXUT	
Filter cartridge	Block Act. Carbon	Gran. Act. Carbon	Gran. Act. Carbon	
Filtration retention rating	Absolute 1 micron	20 micron	20 micron	
Chlorine reduction (% / gals.)	99/1000	99/500	99/3000	
Organic Chemical contaminant reduction (% / gals.)		95/500		
Lead reduction (% / gals.)	99/1000			
Cyst reduction (% / gals.)	99.99/1000			
Turbidity reduction (% / gals.)	99/1000			
General Features				
Faucet Monitor	2 AA batteries (included)	2 AA batteries (included)	2 AA batteries (included)	2 AA batteries (included)
Power Requirement				
Icemaker Connection Kit (available at additional cost)	UCKIT	UCKIT	UCKIT	UCKIT
Approx. shipping wt. (lbs.)	7	7	7	6

Caution: Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.



GNUT05Z, GNUV10Z and GNUL30Z are tested and certified to ANSI/NSF Standard 42 for particulate reduction Class I, chlorine reduction Class I and taste and odor reduction.

GNUV10Z is tested and certified to ANSI/NSF Standard 53 for volatile organic chemical reduction.

GNUL30Z is tested and certified to ANSI/NSF Standard 53 for cysts, turbidity and lead reduction.

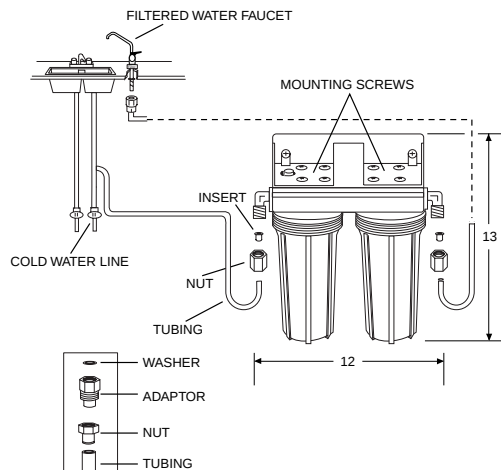
NSF Approved

NSF is the most highly recognized independent testing institution in the water treatment industry. NSF inspects our manufacturing facilities, structurally tests our product, tests our product to make sure nothing harmful is added to the water and certifies our product performance as specified on the performance data sheet (inside the product box).



The GE SmartWater™ Filtration Systems (GNUL30Z and GNUV10Z) have been quality tested by an independent laboratory, Spectrum Labs, Inc.

Models GNUL30Z/GNUV10Z/GNUT05Z/GXEM01Z Installation Information (in inches)



Note: Can be installed undercounter (as shown), in basement, or other convenient location. Before installing, see installation instructions packed with product for complete details.

Replacement Filters

Call GE Appliance Parts toll-free 800.626.2002 to order replacement filters.

Water Test Kit

To order a water test kit, Pub. No. 27-X017, call 800.626.2000.

Warranty Information

Models GNUL30Z, GNUV10Z, GNUT05Z

Full One-Year Warranty – (parts and labor at no additional charge) applies to entire unit, excludes filters.

Model GXEM01Z

Limited One-Year Warranty – parts and labor at no additional charge, (does not include service trip) applies to entire unit, excludes filters.

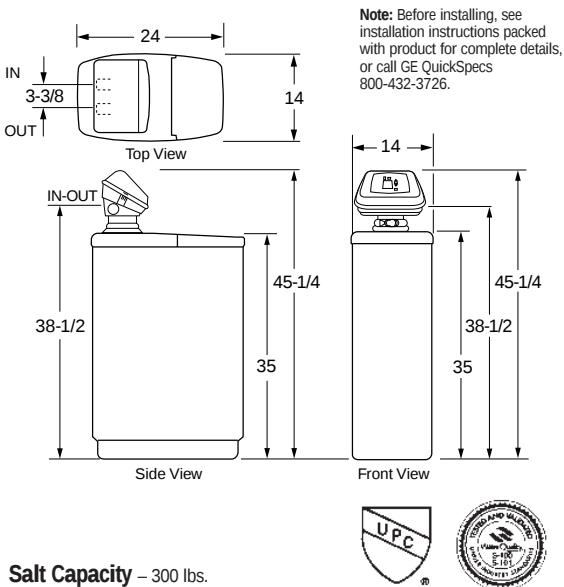
See written warranty, packed with product, for details.

GE SmartWater™ Softening Systems

	GE Profile Performance Series™	GE Profile™	GE	
	PNSF39Z	PNSF31Z	GNSF23Z	GNSF18Z
Capacity				
Capacity (grains)	Super-38,600*	Extra-Large-30,800*	Large-23,000*	Compact-18,000*
Features				
Efficiency (grains per lb.-salt)	5168**	5168**	5168**	4913**
Max. Hardness Removal (gpg)	110	95	50	25
Max. Clear Water Iron Reduction (ppm)	8	5	3	3
Resin Filter Type	Std. mesh	Std. mesh	Std. mesh	Std. mesh
Resin Weight (lbs.)	52.00	41.60	31.20	38
Resin Quantity (cu. ft.)	1.00	.80	.60	.73
Resin Tank Size (in inches)	10 x 35	10 x 35	8 x 40	10 x 21
Salt Capacity (lbs.)	300	300	200	140
Water Used for Regeneration (gals.)	43-52	40-45	23-30	25-30
Regeneration Time (min.)	Approx. 118	Approx. 118	Approx. 118	Approx. 120
Service Flow Rate (at 15 psi drop)	10	10	8	7
Systems Monitor	●	●	●	●
Electronic Controls	Backlit LCD	●	●	●
Permanent Settings Memory	●	●	●	●
Plumbing Connection	1"-NPT	1"-NPT	1"-NPT	1"-NPT
Appearance				
Spacesaver Design				●
Style	Cabinet	Cabinet	Round	Round
Unit Color	Grey	Grey	Grey	Grey
Electronic-Demand Driven	●	●	●	●
Weights & Dimensions				
Approximate Shipping Wt. (lbs.)	108	95	88	66
Overall W x H x D (in.)	14 x 45-1/4 x 24	14 x 45-1/4 x 24	18-1/4 x 48-3/4 x 18-1/4	18-5/8 x 29-1/2 x 18-5/8
Power/Ratings				
Electronic Rating	24V, 60Hz	24V, 60Hz	24V, 60Hz	24V, 60Hz

*PNSF39-Test protocol @ 11.1 lbs. of salt.
PNSF31-Test protocol @ 8.9 lbs. of salt.
GNSF23-Test protocol @ 6.6 lbs. of salt.
GNSF18Z-Test protocol @ 6.3 lbs. of salt.
**PNSF39-Test protocol @ 2.9 lbs. of salt.
PNSF31-Test protocol @ 2.3 lbs. of salt.
GNSF23-Test protocol @ 1.8 lbs. of salt.
GNSF18Z-Test protocol @ 1.6 lbs. of salt.

Models PNSF39Z and PNSF31Z Installation Information (in inches)



Salt Capacity – 300 lbs.

Warranty Information

Full One-Year Warranty – (parts and labor at no additional charge) applies to entire unit.

Limited Three-Year Warranty – (parts only) applies to electronic monitor.

Limited Ten-Year Warranty – (parts only) applies to replacement cabinet (brine tank) and resin tank.

See written warranty, packed with product, for details.

Important: All units must be installed according to local codes.



Installation Kit Included

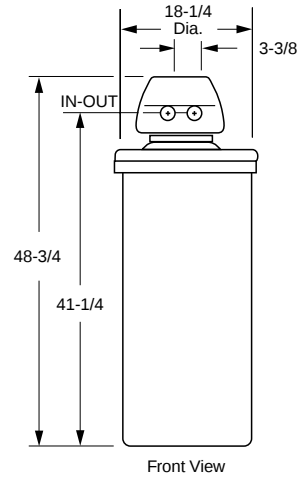
For installing convenience, a complete installation kit with bypass valve, drain tubing and use & care video is included with product.

Water Test Kit

To order a water test kit, call 800.626.2000.

Model GNSF23Z

Installation Information (in inches)



Salt Capacity – 200 lbs.

Warranty Information

Full One-Year Warranty – (parts and labor at no additional charge) applies to entire unit.

Limited Three-Year Warranty – (parts only) applies to electronic monitor.

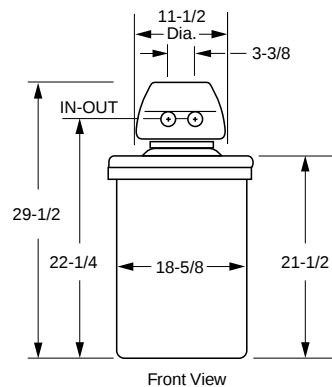
Limited Ten-Year Warranty – (parts only) applies to replacement cabinet (brine tank) and resin tank.

See written warranty, packed with product, for details.

Important: All units must be installed according to local codes.

Model GNSF18Z

Installation Information (in inches)



Salt Capacity – 140 lbs.

Warranty Information

Full One-Year Warranty – (parts and labor at no additional charge) applies to entire unit.

Limited Three-Year Warranty – (parts only) applies to electronic monitor.

Limited Ten-Year Warranty – (parts only) applies to replacement cabinet (brine tank) and resin tank.

See written warranty, packed with product, for details.

Important: All units must be installed according to local codes.

GE SmartWater™ Filtration Systems Accessories

Optional Accessories (available at additional cost)



Icemaker Connection Kits

RVKIT (For use with Reverse Osmosis Models.)

Optional hook-up kit is available to provide the added convenience of filtered water through your refrigerator dispenser. Kit includes all necessary items for hook-up, including supplemental tank (RVTNK1).

(Models PNRV18ZWW, PNRV18ZBB, PNRV18ZWH, PNRV18ZBL and PNRV12ZBL)

UCKIT (For use with Dual Carbon Filtration Models.)

Optional hook-up kit is available to provide the added convenience of filtered water through your refrigerator dispenser. Kit includes all necessary items for hook-up.

(Models GNUL30Z, GNUV10Z, GNUT05Z and GXEM01Z)



Storage Cabinet

RV18CBNT

The optional storage cabinet conceals filter unit providing a neater appearance. Allows for horizontal installation with a convenient storage surface on top for placing cleaning supplies, bottles, etc.

(12" w x 10 1/2" d x 22" h)

For use with GE Profile Performance Series™ models only.

(Models PNRV18ZWW, PNRV18ZBB, PNRV18ZWH and PNRV18ZBL)



Supplemental Tank

RVTNK1

An extra storage tank is available for added capacity needs. (17" h x 11" diameter)

For use with Reverse Osmosis models only.

(Models PNRV18ZWW, PNRV18ZBB, PNRV18ZWH, PNRV18ZBL and PNRV12ZBL)

GE—Providing Excellence In Service



GE Answer Center®

For questions on features and service, call the GE Answer Center®, 24 hours a day, seven days a week. 800.626.2000.

Visit Our Website!

www.ge.com/smartwater

Visit the GE SmartWater™ website for information on features and products, as well as the GE SmartWater™ dealer nearest you.

GE Appliance Parts

For water filter replacements and replacement parts, call GE Appliance Parts, 800-626-2002 for convenient ordering.

Nationwide Installation Referral

GE offers installation of whole home systems across the country, nationwide, where and when you need it by a SmartWater™ Specialist. Call 1-800-952-5039.

Full Warranty

As expected from a major appliance manufacturer, GE offers a one-year warranty (parts and labor) on water filtration and water softening systems. See warranty for complete details.

GE Service Protection Plus™

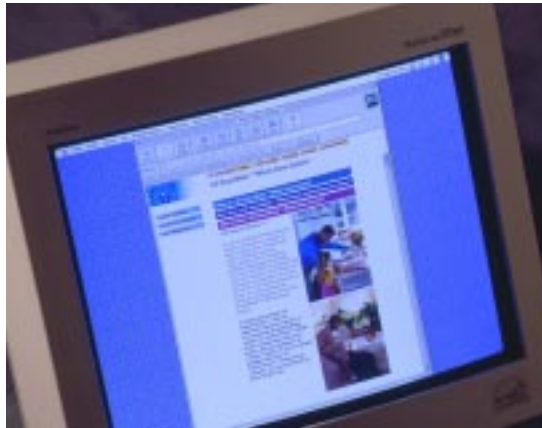
Provides protection from service repair costs for the term of the GE Service Contract. Call 800-626-2224.

Water Testing Analysis

GE will offer, through an independent testing lab, water analysis to help determine the right GE SmartWater™ Whole Home System for your area. Call the GE Answer Center®, 800.626.2000.

GE—A Name You Can Trust!

GE SmartWater™ Whole Home Systems provide the quality, dependability and excellence you expect. Backed by one of the most trusted names in the world!



GE Appliances

General Electric Company
Louisville, Kentucky 40225
www.ge.com/appliances

GE has a policy of continuous improvement on its products and reserves the right to change materials and specifications without notice.

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