



ELITE WATER
SYSTEMS


POWERED BY  PROTECT PLUS PRO™
WATER FILTRATION

14 INCH UNDER SINK FILTER TITANIUM 3000 INSTALLATION INSTRUCTIONS

Reduces: PFAS & Pharmaceuticals



MODEL:
PPUSS4003E


 **NSF/ANSI Standards**
PPUSF4003E filter cartridge and
PPUSS4000E filter housing is certified
by IAPMO R&T against NSF/ANSI 42, 53
and 401 for the reduction of substances
specified on the Performance Data Sheet.



PROFESSIONAL INSTALLATION,
OPERATING AND SERVICE MANUAL



⚠ WARNING



Please read carefully before proceeding with installation. Your failure to follow any attached instructions or operating parameters may lead to the product's failure. Keep this Manual for future reference.

THINK SAFETY FIRST

⚠ WARNING

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

IMPORTANT

If you are unsure about installing your ELITE water filter, contact a ELITE representative or consult a professional plumber.

⚠ CAUTION

Test the water periodically to verify that the system is performing satisfactorily.

Discard small parts remaining after the installation.

NOTICE

Failure to install the system correctly voids the warranty. Handle all components of the system with care. Do not drop, drag or turn components upside down.

Refer to enclosed warranty for operating parameters to ensure proper use with your water supply.

Limited Warranty

What Your Warranty Covers:

System PPUSS4000E and Cartridge PPUSF4003E

What this Warranty Does Not Cover:

This warranty does not cover defects resulting from improper installation (installation contrary to Watts printed instructions), abuse, misuse, misapplication, improper maintenance, neglect, alteration, accidents, casualties, fire, flood, freezing, environmental factors, water pressure spikes, adverse water conditions or other events or conditions beyond Watts' control.

This warranty will be void if defects occur due to failure to observe the following conditions:

1. The system must be hooked up to a potable municipal or well cold water supply.
2. The pH of the water must not be lower than 6 or higher than 9.
3. The incoming water pressure must be between 10 and 125 pounds per square inch.
4. Incoming water to the system cannot exceed 100 degrees F (38 degrees C.)

This warranty does not cover any equipment that is relocated from the site of its original installation.

This warranty does not cover any charges incurred due to professional installation.

Overview

Thank you for your purchase of a state of the art Water Treatment system.

Your new system is equipped with a high capacity PFAS and Pharmaceuticals filter. This water filtration unit provides, clean, clear, and great tasting water to your existing faucet and has a 3,000 base gallon filtration capacity through IAPMO and 6,000 gallon filtration capacity through independent lab testing.

Simple under sink installation, only requiring standard household tools, allows changing of the filter with just a quarter turn.

System Maintenance

It is important to change filters at the recommended interval indicated in this manual. Many contaminants are not detectable by taste. In addition, other bad tastes and odors may become apparent over time if filters are not replaced.

When replacing any of the filter elements, pay special attention to any cleaning instructions. Should you have any further questions, please visit our website at www.elitewatersystems.com or call **210-556-5452**

Operational Parameters

NOTICE

Installation must comply with state and local plumbing regulations.

	Maximum	Minimum
Operating Temperature:	100°F (37.8°C)	35° F (1.7°C)
Operating Pressure:	125 psi (862 kPa)	10 psi (69 kPa)
pH Parameters:	9	6
Flow Rate:	1.8 gpm	

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Installation Precautions

NOTICE

- System is intended to be installed on the cold water line ONLY. Do not use hot water supply
- Do not install if your water lines are susceptible to water hammer
- System to be used with municipal or well water sources properly treated and tested on regular basis in insure suitable and non-adverse water conditions, including bacteriological safe quality.
- Filter housing must be protected against freezing temperatures, frost, snow, sleet and ice. Exposure to these elements can damage the housing and lead to water damage.
- This product has a limited service life. We recommend that a record be kept regarding the date of install and any other performance maintenance. Because of the products' limited service life and to prevent costly repairs or possible water damage, we strongly recommend that the head be replaced every ten years.
- Turn off water supply to head and remove the cartridge if it must be left unattended for an extended period of time.
- After prolonged periods of non-use (such as vacation) it is recommended that the system be flushed thoroughly. Let water run 5 - 6 minutes before using
- The filter recommended for use with this system carries a limited service life. Changes in taste, odors, color and/or flow of the water being filtered indicates that the cartridge should be replaced.
- Make certain that installation complies with all state and local laws and regulations.
- If you have anything other than flexible hose under your sink, check to see if you need to purchase special fittings prior to starting install.

Contents of Under Counter System

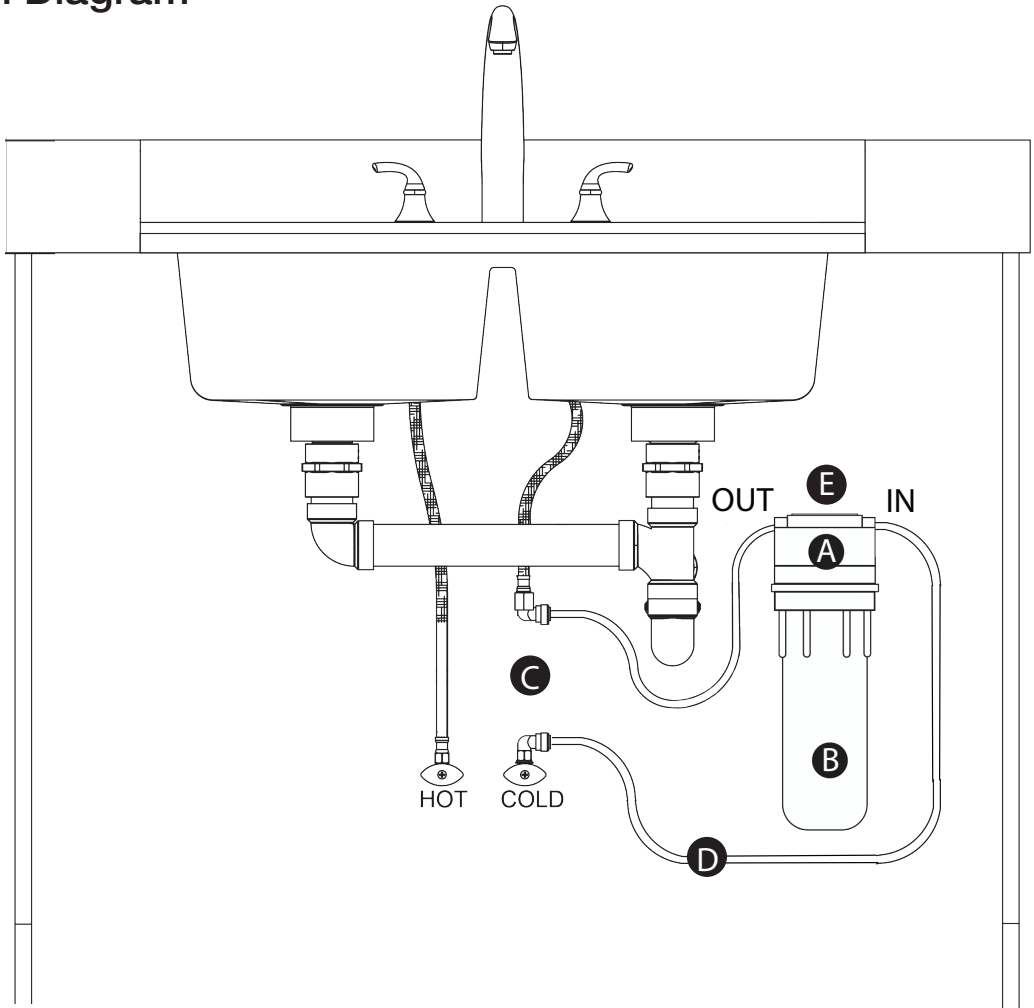
Please make sure all of the items listed below are contained in the box. If any of the items are missing please contact Customer Service at 210-556-5452 prior to installing.

- System Head with Attachable Bracket
- Model # PPUS4003E Filter in separate box inside system box
- 3/8" Elbow Adapter (2)
- Mounting Screws

Recommended Tools For Installation

- Small knife or tube cutter
- Variable speed drill
- 1/8" (3mm) drill bit
- Adjustable wrench
- Phillips screwdriver

System Diagram

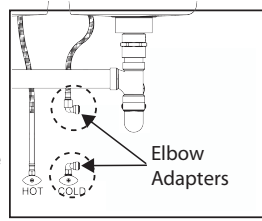


Parts List

Item	Description
A	System Head with Attachable Bracket
B	Replacement Filter
C	90 degree Elbow Adapters (2)
D	3/8" Plastic Tubing
E	Mounting Bracket & Screws not shown

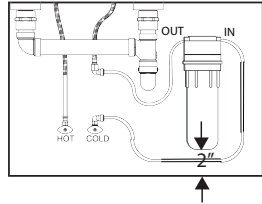
Water Line Adapters

Disconnect the faucet supply line from the cold water supply valve. Attach elbow adapters to the outlet of the cold water supply valve and the inlet of the faucet supply line.

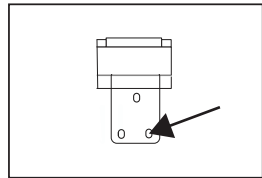


System Module Mounting

Step 1 - Mount the system to one side of the cabinet allowing 2.5" of clearance below the filter for easy filter removal and replacement.



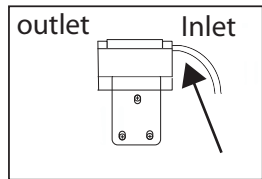
Step 2 - Using the mounting bracket, mark with a pencil the holes for the mounting screws on the wall surface.



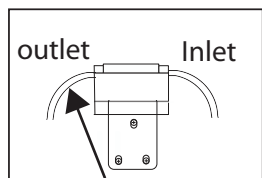
Step 3 - Using a 1/8" drill bit, drill pilot holes for the mounting screws. Insert mounting screws into the wall with a screwdriver leaving approximately 3/8" of each mounting screw exposed and hang system head on the mounting holes of the bracket.

Inlet and Outlet Tube Connection - Filtration System

Step 1 - Determine two different lengths of 3/8" tubing needed to connect the system head inlet and outlet to the kitchen faucet adapter (reference image for inlet and outlet locations and directions on the right for cutting and installing tubing). Be sure to allow enough tubing to prevent kinking in the line.



Step 2 - Wet one end of the 3/8" plastic tubing with water and push it into the inlet side of the system head approximately 5/8" until it stops. Connect the other end of the tubing to the inlet side of the kitchen faucet adapter. Refer to Quick-Connect instructions on the right for more detail.



Step 3 - Repeat same process with outlet side.

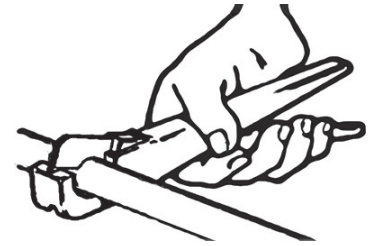
NOTICE

Reference image for inlet and outlet locations.

Using Quick-Connect Fittings

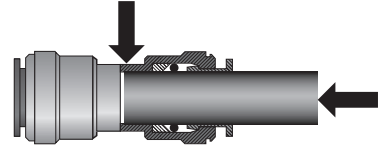
Cutting

Cut the tube square. It is essential that the outside diameter be free of score marks, and that burrs and sharp edges be removed before inserting into fitting.



Connecting

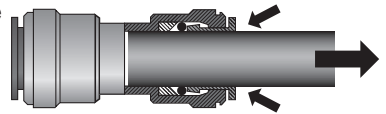
Make certain to push the tubing completely into the connector until it comes into contact with the internal tubing stop. The collet (gripper) has stainless steel teeth which hold the tube firmly in position while the O-ring provides a permanent leak proof seal.



Pull on the tube to check that it is secure. The system must be tested prior to leaving the site and/or before use.

Disconnecting

To disconnect, ensure the system is depressurized before removing the tube. Push in collet squarely against the face of the fitting. With the collet held in this position, the tube can be removed. The fitting can then be reused.



System Start Up

Step 1 - Turn on water supply at cold water angle stop. Turn cold water faucet handle to the open position to start the flow of water through the unit. Run 20 gallons of water through the unit in order to flush out the normal black carbon fines (it will "sputter" until the air is purged out) from the unit. A container with a known volume can be filled to determine how much water has flushed through the system. Initially, the water may appear cloudy which is due to tiny air bubbles and it will clear up shortly. Close the faucet when finished.

Step 2 - Check for leaks. If you have any leaks, shut off the water supply to your system, tighten any fittings then turn the supply back on.

NOTICE

Check frequently over the next 24 hours to ensure no leaks are present

Annual Maintenance

Annual Filter: PPUSF4003E

Remove completely and buy replacement.

Step 1 - Turn off incoming water supply to the filtration unit.

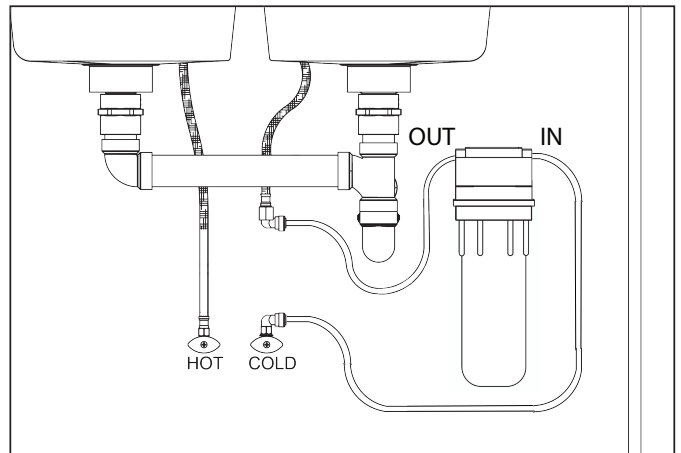
Step 2 - Open the cold water faucet handle to relieve the water pressure.

Step 3 - Remove the filter from the head by turning to the left, then pulling downwards. Discard the old filter.

Step 4 - Remove filter cartridge from filter cartridge box inside system box

Step 5 - To install new filter cartridge, with the filter label facing approximately 45 degrees to the left, push the filter into the filter head and twist it to the right until the filter locks in and the label on filter is facing the front.

Step 6 - Follow start-up procedure.



NOTICE

Mark the date the filter is installed on cartridge label

Troubleshooting

LEAKS BETWEEN THE SYSTEM HEAD ASSEMBLY AND THE FILTERS:

1. Turn off water supply to the filter and dispense water from kitchen faucet until water and airflow stops.
2. Remove cartridge and inspect O-rings to make sure they are in place and clean.
3. Install cartridge, turn on water supply and check for leaks.

LEAKS AROUND THE FITTINGS:

1. Turn off water supply to the filter to relieve pressure.
2. While pulling the 3/8" plastic tubing with one hand, press in on the collar around the inlet and/or outlet fitting. Check to make sure that the 3/8" plastic tubing is cut squarely and that it is not scratched or crimped. If the 3/8" plastic tubing is unevenly cut or scratched, cut off 1/2" to 5/8" and re-install tubing.
3. Turn on water supply and check for leaks.

LEAKS ON THE ELBOW ADAPTER CONNECTION:

1. Turn off water supply to the filter to relieve pressure.
2. Locate the elbow faucet adapter.
 - If the 3/8" plastic tubing is leaking, follow the previous steps ("Leaks around the fittings").
 - If the thread between the elbow faucet adapter and cold water line is leaking, tighten more securely. If leaking continues, apply plumbers tape to threads and tighten.
3. Turn on water supply and check for leaks.

If leaks persist, or if there are other leaks on system, turn off water supply. Contact Customer Service or Technical Support Team at 210-556-5452

Performance Data Sheet

Single-Stage Filtration System

GENERAL USE CONDITIONS

⚠ WARNING

1: System to be used with municipal or well water sources treated and tested on regular basis to insure bacteriological safe quality. DO NOT use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. While testing was performed under standard laboratory conditions, actual performance may vary.

2: Operating Temperature: Maximum 100° F (38° C) Minimum 35° F (1.7° C)

3: Operating Water Pressure: Maximum 125-psi (861.85kpa) Minimum 10-psi (69kpa)

4: Maximum Flow Rate: 1.8gpm (6.18 lpm)

5: Rated Capacity PFAS: 3,000 gallons (IAPMO) and 6,000 gallons (Independent Lab)

6: Rated Capacity Pharmaceuticals: 3,000 gallons (IAPMO) and 6,000 gallons (Independent Lab)

RECOMMENDED REPLACEMENT PARTS AND CHANGE INTERVAL:

Depending on incoming feed water conditions replacement time frame may vary.

Description	Model / Part Number	Change time Frame
Filter	PPUSS4003E	12 Months or 3,000 Gallons

The PPUSS4003E system has been tested according to NSF/ANSI 42, 53, and 401 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42, 53 and 401 substantiated by test data. This system is certified to NSF/ANSI standard 372 for 'lead free' compliance.

NSF 401 Group III

Contaminant	% reduction	inlet challenge	Max allowable concentration
Bisphenol A (Group 3)	>99.0%	2000 ± 20%	0.0003
Estrone (Group 3)	>96.6%	140 ± 20%	0.00002
Ibuprofen (Group 3)	>95.1%	400 ± 20%	0.00006
Naproxen (Group 3)	>96.4%	140 ± 20%	0.00002
Nonyl phenol (Group 3)	>95.6%	1400 ± 20%	0.0002
Phenytoin (Group 3)	>95.4%	200 ± 20%	0.00003
NSF 53 - PFOA/PFOS			
PFOA/PFOS	>95.5%	0.0015 ± 10%	0.0001

Not all water will contain contaminants listed. Testing performed under standard laboratory conditions; actual performance may vary. Filter usage must comply with all state and local laws. Filter is only to be used with cold water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.