npXtra™ Point-of-Entry (POE) Twin Tank Water System

Arsenic Reduction Filter

Installation, Operation & Service Instructions

Rev. 1/2015

Attention npXtra™ Water Systems Customer:

Your local independently operated npXtra™ Water Professional employs trained service and maintenance personnel who are experienced in the installation, function and repair of R.E. Prescott Co., Inc.'s equipment. This publication is written specifically for these individuals and is intended for their use.

We encourage you to learn more about R.E. Prescott Co., Inc. products, but we believe that product knowledge is best obtained by consulting with your npXtra™ Water Systems Professional. Untrained individuals who use this manual assume the risk of any property damage or personal injury.

Warning! Prior to servicing equipment, disconnect power supply to prevent electrical shock.

IT IS VITAL TO THIS PROGRAM THAT THE REGISTRATION CARD INCLUDED WITH THE SYSTEM BE RETURNED IN ORDER TO BE ENROLLED IN THE WATER TESTING PROGRAM. THIS SYSTEM COMES STANDARD WITH A 2 YEAR TESTING PROGRAM, BEGINNING 6 MONTHS FROM THE DATE OF INSTALLATION. ADDITIONAL TESTS MAY BE PURCHASED TO EXTEND THE TESTING PROGRAM. CONTACT US FOR MORE INFORMATION.

REPCO
Since 1954

Manufactured by:
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Introduction

Installation and use of the npXtra™ Water Systems npXtra™ Point of Entry (POE) System must comply with state and local laws and regulations. This system must be installed near the incoming potable water line in accordance with the detailed instructions in this manual. The R.E. Prescott Co., Inc. npXtra™ POE System is not intended to purify non-drinkable sources of water. Do not use with water that is microbiologically unsafe or with water of unknown chemistry without adequate disinfection before or after the system. **The npXtra™ Water Systems POE system is not a disinfection or purification system.**

GENERAL OPERATIONAL AND MAINTENANCE REQUIREMENTS

Compliance with operational, maintenance and replacement requirements as noted in this manual is essential for the product to perform properly.

For installations in Massachusetts, the Commonwealth of Massachusetts Plumbing code 248 CMR shall be adhered to. Consult with your licensed plumber for installation of this system. This system and its installation must comply with state and local regulations. The use of saddle valves is not permitted.

Safe Practices

Throughout this manual there are paragraphs set off by special headings.

NOTE: Note is used to emphasize installation, operation or maintenance information which is important, but does not present any hazard. Example:

Note: Systems with tanks greater than 12" diameter will require media loading

CAUTION! Caution is used when failure to follow directions could result in damage to equipment or property. Example:

CAUTION! Do not use Vaseline, oils or other hydrocarbon lubricants or spray silicone anywhere on the system.

WARNING! Warning is used to indicate a hazard which could cause injury or death if ignored. Example:

WARNING! Electrical shock hazard! Unplug the unit before removing the cover or accessing any internal control parts.

Serial Numbers

The npXtra™ Water Systems water filter has two separate serial numbers; one for the control assembly and one for the media tanks. The media tank serial number is located on the side of the tank. **DO NOT REMOVE OR DESTROY THESE SERIAL NUMBER DECALS. THEY MUST BE REFERENCED IF EVER YOU REQUIRE REPAIRS OR PARTS REPLACEMENT UNDER WARRANTY.**

If you wish to service your system or maintain replacement components, please consult your local npXtra™ Water Systems Professional or call (603) 772-4321 for a Water Treatment Professional near you.

This publication is based on information available when approved for printing. Continuing design refinement could cause changes that may not be included in this publication.

Please read this booklet carefully before beginning the installation of the npXtra™ Water Systems Arsenic Reduction Filter. It contains important information about the unit, including the tools and materials needed for installation, accessories available from hook-up to plumbing, and instructions covering installation, settings, start-up, and operation. The npXtra™ Water Systems have been thoughtfully designed and engineered to provide conditioned water when properly applied, installed, and operated.

This system and installation must comply with state and local regulations.

These systems are designed to reduce arsenic to less than 0.010 mg/L (ppm), (10 µg/L (ppb)). Actual performance of the system may vary depending on specific water chemistry and conditions at the consumer's installation. Following installation of this system, the installation site should have the treated water tested for arsenic to verify arsenic reduction is being achieved and the system is functioning properly. Please see “Arsenic Facts Sheet” for further information.

Arsenic Fact Sheet

Media used for arsenic removal are affected by a number of water parameters. The R.E. Prescott Co., Inc. npXtra™ Water Arsenic Reduction System is designed to reduce pentavalent arsenic. Actual performance of the system may vary depending on specific water conditions at the consumer's installation. Following installation of this system, the consumer should have the treated water tested for arsenic to verify that arsenic reduction is being achieved and the system is functioning properly.

The arsenic removal component of this system must be replaced at the end of its useful life when the treated water exceeds 0.010 mg/l (0.005 mg/l in NJ & SC) of arsenic. The replacement component can be purchased from your local npXtra™ Water Systems Professional.

ARSENIC FACTS

Arsenic (As) is a naturally occurring contaminant found in many ground waters. It generally occurs in two forms (valences or oxidation states): pentavalent arsenic (also known as As(V), As(+5), and arsenate) and trivalent arsenic (also known as As(III), As(+3), and arsenite). In natural ground water, arsenic may exist as trivalent arsenic, pentavalent arsenic, or a combination of both. More information about arsenic and its toxicity can be found on the Agency for Toxic Substances and Disease Registry Toxicological Profile on Arsenic web-site at http://www.atsdr.cdc.gov/toxprofiles/phs2.html and U.S. Environmental Protection Agency website at http://www.epa.gov/safewater/arsenic.html.

Arsenic does not generally impart color, taste or smell to water and therefore, can only be detected by a chemical analytical test. Public water supplies are required to monitor delivered water for arsenic (trivalent plus pentavalent arsenic) and the results are available to the public from the utility. Consumers using private water sources will need to make arrangements for testing. It is recommended that the test be done by a laboratory.

Total Arsenic

If the total arsenic concentration is above 0.050 mg/L please consult your npXtra™ Water Systems Professional.

Arsenite As(III)

The npXtra™ System is designed to remove As(V). If arsenite is present it is recommended that you oxidize the water prior to the arsenic removal media. Contact your npXtra™ Water Systems Professional for oxidizing options

pH

Adsorption media operate most effectively between pH 5.5 and 8.5. At elevated pH, silica becomes a more aggressive interfering species. Do not use organic acids (such as citric or acetic acid) to adjust the pH ahead of the media.

Silica

Levels above 20 mg/L begin to interfere with arsenic adsorption on the media when combined with a pH above 7.5.

Phosphate (PO_4)

Levels above 0.150 mg/L as PO_4 or levels above 0.05 mg/L as P will reduce media life for arsenic adsorption.

Iron & Manganese

Soluble iron and manganese may precipitate onto the media bed. If iron and manganese are above the secondary MCLs (0.30 mg/L and 0.05 mg/L respectfully), it is recommended to remove them before the arsenic removal system

Hardness

Hardness does not significantly affect the performance of the arsenic removal media.

CAUTIONS:

Oxidation/Disinfection:

Oxidizing agents, such as chlorine or sodium hypochlorite (bleach), can degrade the arsenic treatment media. If chlorine is present in the raw water (> 1.0 ppm residual), it should be removed prior to the media with activated carbon filtration.

Hydrogen Sulfide:

If hydrogen sulfide is present, the arsenic treatment media will temporarily remove it from the water before it is displaced by sulfates. Once it is displaced, the hydrogen sulfide will impart an odor to the water.

NpXtra™ Water Systems™ Performance Specifications

Table 1:

Model Number	**POE-08**	**POE-09**	**POE-10**	**POE-12**	**POE-14**	**POE-18**	**POE-24**
Service Flow Rate	5.0 gpm	7.0 gpm	10.0 gpm	15 gpm	20 gpm	25 gpm	25 gpm
Capacity (gallons treated)[3]	Water Chemistry and Usage Required						
Tank Size	8"x32"	9"x48"	10"x54"	12"x52"	14"x54"	18"x65"	24"x50"
Filter Media	LayneRT / ASM-10-HP / Metsorb						
Total Media Amount (per tank)	0.70 cu.ft.	0.90 cu.ft.	1.30 cu.ft.	2.0 cu.ft.	3.0 cu.ft.	4.0 cu.ft.	7.0 cu.ft.
Underbedding	None						
Foot Print (WxDxL)	18"x15"x40"	20"x15"x53"	21"x16"x59"	34"x18"x56"	40"x20"x59"	44"x20"x71"	66"x30"x55"
Inlet/Outlet	1" MPT						
Rated Service Flow Rate @ Pressure Drop	5.3 gpm @ 6 psi	6.6 gpm @ 5 psi	10 gpm @ 5 psi	15 gpm @ 5 psi	20 gpm @ 5 psi	26 gpm @ 5 psi	26 gpm @ 5 psi
Temperature Range	40°F - 100°F						
Operating Pressure	30 - 120 psi						
Electrical Requirements	100 volts						
Backwash	Not Applicable (Not Required)						

Water Quality Criteria	
pH Range	5.5 - 8.5
Arsenic[1]	< 0.05 mg/l
Arsenic Type[2]	Pentavalent
Phosphate (PO4) / Phosphorus (P)	< 0.150 mg/l / < 0.050 mg/l
Silica	< 20 mg/l
Iron	< 0.3 mg/l
Manganese	< 0.05 mg/l
Hydrogen Sulfide	Non Detectable
Chlorine Residual	< 1.0 ppm
Tannins	Non Detectable
Hardness	Not Applicable

[1] If the total arsenic concentration is above 0.050 mg/L please consult an npXtra™ Water Systems Professional

[2] The arsenic removal media removes As (V). If As (III) is present oxidation is recommended

[3] Capacity will vary by individual site based on water quality and usage. See Arsenic Facts

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The npXtra™ Water System™ is the hardware portion of an entire program designed to reduce arsenic from home drinking water. This program includes the hardware, adsorptive media, water testing and disposal. This guide includes detailed instructions for proper installation of the system. The ONLY reliable way to assure your drinking water has been treated for arsenic is to perform a laboratory test for arsenic. R.E. Prescott Co., Inc. will send out sampling kits with instructions at intervals of 6 months for single tank systems and 9 months for twin tank (lead-lag) systems.

Replacement Tanks:	Replace single tank system when test results approach 10ppb of arsenic (5ppb in NJ and SC). Replace lead media tank for lead/lag system when test results approach 10ppb of arsenic (5ppb in NJ and SC). The performance and tank replacement frequency of this unit will vary based on water conditions and daily use. See Arsenic Fact Sheet on page 5.
Water Testing:	IT IS VITAL TO THIS PROGRAM THAT THE REGISTRATION CARD INCLUDED WITH THE SYSTEM BE RETURNED.

System Components

Check with your state and local public works department for plumbing and sanitation codes. You must follow these guidelines as you install the NpXtra™ tank assembly. Use of an installation & licensed professional is recommended.

The npXtra™ POE Models are available as a lead-lag tank system consisting of:

- (2) Tanks with internal distribution system
- (2) Adsorptive media bed (see table 1 for required amount)
- (2) Tank heads with top diffuser
- Electronic control valve assembly with tank head connectors
- By-pass valve
- Inlet/outlet 1” NPT fitting kit
- Registration card

UNPACK AND INSPECT SYSTEM COMPONENTS

Recommended Equipment:

In addition to the npXtra™ POE System, R.E. Prescott Co., Inc. recommends the following (items not included):

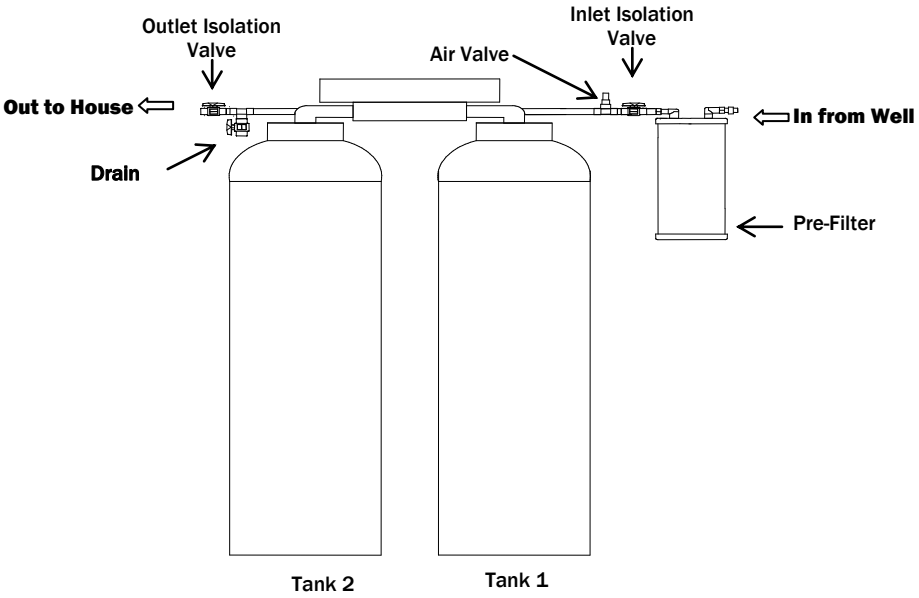
- 5 Micron Pre-Filter
- Inlet and outlet isolation valves (not required for installations where the By-Pass valve is installed)

Space Required:

- See Table 1 above

The system must be installed with clear access to the media tank. Before unpacking the system, note the condition of the packaging. Any apparent damage should be documented before opening the boxes.

DRAWING OF INSTALLED SYSTEM



Pre-Installation Guidelines

(All electrical & plumbing should be done in accordance to all local codes)

Select Installation Location:
Select a location for the NpXtra™ that is:

- Protected from freezing.
- Not exposed to direct sunlight.
- Easily accessible for media tank exchange
- Cold water supply

Water Quality: On rural water supplies there is often a problem with sand or sediment in the water. (This problem occasionally occurs in public water supplies.)

Note: Well and/or pump problems affecting the operation of the system are repairs that are not covered under warranty. To prevent these unnecessary and expensive repairs that are not covered under warranty, we recommend the installation of an in-line filter system ahead of a NpXtra™ system.

Electrical: A continuous 110 volt 60 cycle current supply is required. Make certain the current supply is uninterrupted and cannot be turned off with another switch. All electrical connections must be connected per local codes. **Surge protection is strongly recommended with all electric controls.**

General Installation Conditions and Restrictions:
Installation and use of the R.E. Prescott Co., Inc. NpXtra™ Water System Arsenic Reduction Filter must comply with state and local laws and regulations. This system must be installed near the incoming potable water line in accordance with the detailed instructions in this manual. The R.E. Prescott Co., Inc. NpXtra™ Water System Arsenic Reduction Filter is not intended to purify non-potable sources of water. Do not use with water that is microbiologically unsafe or with water of unknown chemistry without adequate disinfection before or after the system. The NpXtra™ Water System is not a disinfection or purification system. The NpXtra™ Water System is designed to reduce arsenic to less than 0.010 mg/L. Please see “Arsenic Fact Sheet” for further information. (see page 5)

General Operational and Maintenance Requirements:
Compliance with operational, maintenance, water testing and tank replacement requirements as noted in this manual is essential for the product to perform properly.

NpXtra™ Assembly & Loading Instructions

Assemble Control Head and Tanks
The media tanks can become very heavy when they are filled with media and water so it is important to layout the assembly before filling and installing the npXtra™ POE system.

- **POE-08, POE-09, POE-10, POE-12**
  1. Position the tanks so they are mirrored, with the inlet/outlet head facing each other.
  2. Remove the plastic dust covers from the tank threads (tank plugs).
  3. Slide one end of each “Fitting Assembly” into each of the four ports on the Control Head and secure the fitting.
  4. Slide one of the tanks into the side of the control head assembly and secure the fitting.
  5. Repeat for the second tank into the opposite side of the control head assembly.

- **POE-14, POE-18, POE-24**
  1. Repeat instructions above using extended fitting assemblies.

Remove Control Head Assembly (for non-prefilled tanks)
Once Tanks are laid out, remove the Control Head and Tank Heads in order to fill the tanks.
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NOTE: Systems with tanks greater than 12" diameter will require media loading.

1. Inspect tanks and distributors for any damage that may have occurred in transit
2. Locate the tanks in their desired location, before loading, remove the tank cap and install the control head assembly on the tank and mark where the front is. Turn the mineral tank so the front of the tank is where you want it when full. The tank may be difficult to move when full.
3. Remove the control head assembly from tank.
4. Place plastic cap over end of distributor tube (the pipe going vertically down the center of the tank.) If cap is not provided, duct tape works well.
5. Place enough water in tank to cover distributor system by 6" of water; this will prevent tank damage as tank is being loaded with media. Use a funnel and fill tank with the media per system design.
6. Clean tank threads of any mineral particles.
7. REMOVE CAP FROM DISTRIBUTOR TUBE.
8. Install control valve on tank, making sure distributor tube is in the distributor port of the control valve or tank head.
9. When installing the npXtra™ 14 & 24 use flexible in/out plumbing for ease when switching the head from “Lead to Lag”.

Installation Instructions

(All electrical & plumbing should be done in accordance to all local codes)
Use the npXtra™ Water System™ on a potable, safe-to-drink home water supply only.

CAUTION:

- Do not use Vaseline, oils or other hydrocarbon lubricants or spray silicone anywhere on the system. A silicone lubricant may be used on black O-rings but is not necessary. **Avoid any type of lubricants, including silicone, on red or clear lip seals.**
- Do not use pipe dope or other sealants on threads. Only Teflon tape may be used on threads. Teflon tape is not necessary on the nut connection or caps because of O-ring seals. Do not use Teflon tape or other sealant on the control tank threads or tank.

1. When positioning the system, ensure that the space beneath is solid, clean and level.
2. Locate the system in a protected area where it cannot freeze.
3. Locate the system within15 feet of a 120 volt electrical grounded outlet that can be dedicated to the unit's use. Use of an extension cord should be avoided, and may not be approved by local electrical inspectors in some areas.
4. Do not install in an outside location prone to freezing temperatures or anywhere exposed to sunlight and freezing.
5. Allow easy access to the tank for removal and exchange as well as access to the control head for sampling.
6. Do all necessary plumbing (inlet to inlet, outlet to outlet). The control valve, fittings and/or bypass are designed to accommodate minor plumbing misalignments but are not designed to support the weight of a system or the plumbing.
7. When assembling the installation fitting package (which includes the by-pass valve and inlet outlet connections), connect the fitting to the plumbing system first and then attach the nut, split ring and O-ring. Heat from soldering or solvent cements may damage the nut, split ring or O-ring. Solder joints should be cool and solvent cements should be set before installing the nut, split ring and O-ring. Avoid getting primer and solvent cement on any part of the O-rings, split rings, bypass valve or control valve.
8. **A jumper ground wire should be installed between the inlet and outlet pipe whenever the metallic continuity of a water distribution piping system is interrupted. Install grounding strap on metal pipes.**

Initial Start Up

The initial startup will probably be done by the technician installing the system. If not, the following step by step instructions will guide you through the process.

1. Complete all plumbing connections: inlet and outlet.
    a. Slowly turn on the water supply.
    b. Check the entire system for leaks.
    c. If leaking from fittings, shut off water supply and tighten or reseal fittings.
    d. If leaking between the tank head assembly and media tank, tighten the media tank while holding the head assembly.
2. Place the bypass valve in the bypass position. Turn on the main water supply. Open a cold soft water faucet to flush the piping of any air and/or foreign material. Run until the water is clear.
3. Now plug the transformer into a 110-volt receptacle. (Be certain the outlet is uninterrupted.) Within 5 seconds the control will automatically turn on and the display will automatically show total flow.
4. Put bypass valve into "normal operation", Turn off hot water supply and open a valve or faucet (cold water position) and allow the system to flush for a minimum amount of water:
    a. npXtra™ POE-08: 50 gallons
    b. npXtra™ POE-09: 100 gallons
    c. npXtra™ POE-10: 150 gallons
    d. npXtra™ POE-12: 200 gallons
    e. npXtra™ POE-14: 300 gallons
    f. npXtra™ POE-18: 600 gallons
    g. npXtra™ POE-24: 750 gallons

Water Testing

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Sample Valves:

The sample valves are integral to the control head and are referred to as follows:

S-1: Is the inlet or raw water sample port
S-2: Is the outlet of the Lead Tank
S-3: Is the outlet or filtered water sample port after the Lag Tank

Sampling Instructions

1. Open a sink, tub or shower faucet and let water run for 5-10 minutes.
2. Keep water running and record the following readings on the Sample Program Registration Card:
    a. Flow Rate – Press Flow Rate button on POE meter head and record.
    b. Total Volume/Gallons Used – Press Total Flow button on POE meter head and record.
    c. Peak Flow – Press Peak Flow button on POE meter head and record.
3. Open Sample Bottle S-1 (Yellow Label). Rinse the bottle by opening Sample Valve S-1, filling the bottle with water and discarding the water. Repeat three (3) times. Fill Sample Bottle S-1 with water and securely cap the bottle.
4. Open Sample Bottle S-2 (Green Label). Rinse the bottle by opening Sample Valve S-2, filling the bottle with water and discarding the water. Repeat three (3) times. Fill Sample Bottle S-2 with water and securely cap the bottle.
5. Open Sample Bottle S-3 (Blue Label). Rinse the bottle by opening Sample Valve S-3, filling the bottle with water and discarding the water. Repeat three (3) times. Fill Sample Bottle S-3 with water and securely cap the bottle.
6. Complete the Sample Program Registration Card.
7. Place the Sample Program Registration Card and the sample bottles into the packaging.
8. Seal and place the postage pre-paid business reply label on to the package.
9. Mail the package to R.E. Prescott Co., Inc. Test results will be sent to you within 2-3 weeks from receipt of your samples.

Before Leaving the Installation Site

- **Fill out and mail registration card.**
- **Explain the operation of the filter to the customer.**
- **Clean up the unit and installation site.** Remove any soldering or pipe thread residues from the equipment and surrounding area with a damp towel. Remove all packaging material, and sweep up any debris that may be on the floor.

The NpXtra™ System is now in service, reducing arsenic.

Bypass Valve Operation

Normally, all water except outside lines passes through the arsenic reduction filter. There are times when the water filter should be bypassed. You should bypass:

1. If lines to outside faucets do not bypass the water filter and you do not want to waste the filtered water on lawn sprinkling or other outside uses
2. If you are using any chemicals (i.e. disinfection products) to service your well or any other filtration products installed prior to the arsenic reduction system.

Fig. 1

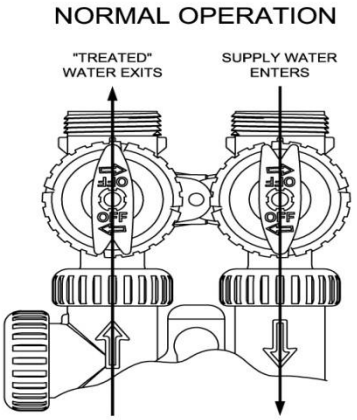


Fig. 3

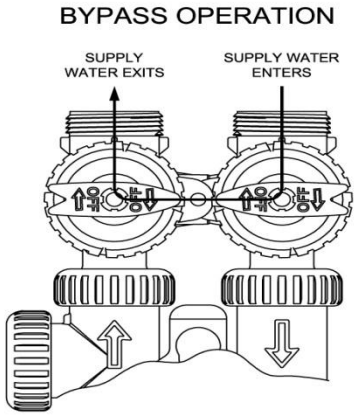


Fig. 2

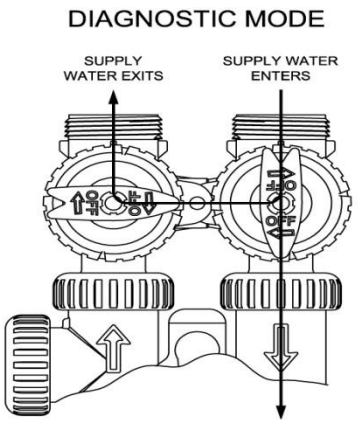
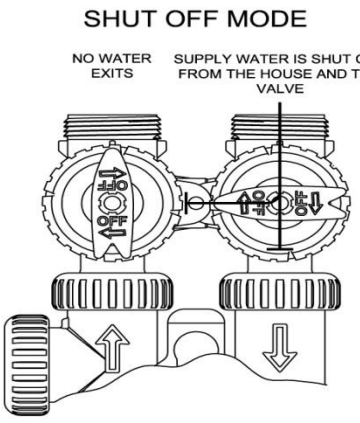


Fig. 4



Control Head

The control head keeps track of the quantity of water that has flowed through the media bed.

Control Head Display

The display on the npXtra™ system has the capability of displaying three parameters by pressing the corresponding buttons. These are (working from left to right across the display):

Flow (gallons per minute):	Measuring current flow rate.
Total Flow (gallons):	Measuring total gallons treated since last meter reset*.
Peak Flow (gallons per minute):	Measuring highest flow rate since last meter reset.

The display also has three warning lights**:**

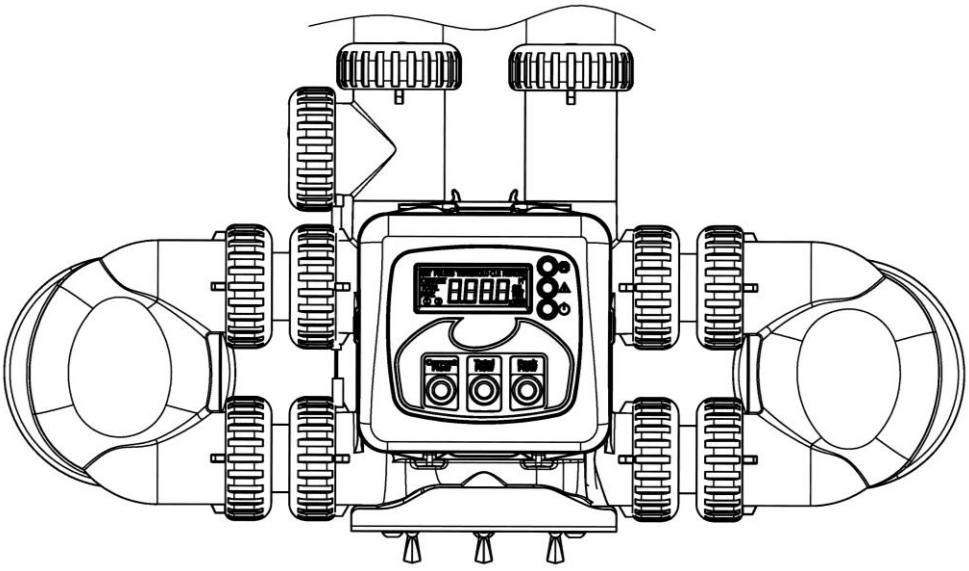
Green Light:	System is plugged in and working Fine
Yellow Light:	System is at 80% capacity
Red Light:	System is at 90% capacity
Red Light and **Beeping:**	System is at 100% capacity, the display will show red and beep three (3) times every 15 seconds. The horn can be silenced by pushing any button and will be silenced for 2 days.

Set Up Mode (to be done by an approved npXtra™ Water System Professional/Installer)

The NpXtra™ POE system threshold is pre-programmed from the factory and cannot be changed on site**.** *The system can only be reset by an approved NpXtra™ Dealer and at the time of re-bed.

Current Flow:	Toggles between the screens and is also the Enter Button
Total Flow:	Toggles the values Up
Peak Flow:	Toggles the values Down

The NpXtra™ Control head should be pre-set to the capacity associated with the model provided, actual water usage may vary.



Care and Cleaning

1. Use only mild soap and warm water when cleaning the exterior of the conditioner. Never use harsh, abrasive cleaning compounds or those which contain acid, such as vinegar, bleach and similar products.
2. **Important:** Protect your system from freezing temperatures. DANGER! If your unit freezes, do not attempt to disassemble it. Call your npXtra™ Water Systems Professional.
3. **Important:** npXtra™ Water Systems are sold for use on potable water, only. If at any time the water becomes contaminated, such as during a "boil water" situation, the operation of the water filter should be discontinued until it is verified that the water is again potable. To do this, rotate the red valves (by-pass valve) so that the two arrows are pointing at each other. Then, call your npXtra™ Water Systems Professional to have your system sanitized before it is placed into service.

Caution!: Oxidizing agents, such as chlorine or sodium hypochlorite (bleach), can degrade the arsenic treatment media. When using these products, put the npXtra™ Water Arsenic Reduction Systems in by-pass. For disinfecting the npXtra™ Water Arsenic Reduction System consult your npXtra™ Professional.

Note: Following the manufacturer's instructions regarding operation, maintenance and replacement requirements, including replacement of filters if applicable, is essential for npXtra™ Water Systems to perform as advertised.

4. Should service, adjustment or trouble-shooting information be needed, call your npXtra™ Water Systems Professional.

If you have further questions, please call your local independently operated npXtra™ Water Professional. He or she will be glad to assist you. For your nearest Professional call (603) 772-4321 or email info@represcott.com

Recommended Preventative Maintenance Inspection Schedule

The npXtra™ Water Systems have been designed to provide good, consistent service life. Routinely inspecting the system may help avoid potentially costly breakdowns related to circumstances outside of the control of the npXtra™ Water Professional and/or user. The filter is for problem water use and routine maintenance is required. Contact your local npXtra™ Professional to perform routine maintenance.

Component	**Suggested Inspection Frequency**	**Reason for Maintenance**
Entire System	At Start-up, after infrequent use (idle for one week or more) or every 6 months to a year.	On private supplies, the appearance of off-taste and odors, particularly if musty or "rotten egg" (caused by harmless sulfate reducing bacteria) may indicate a need for the system to be sanitized. (**see caution above**)
Media	As needed	Replace when arsenic can no longer be removed.

Trouble Shooting

If you unexpectedly experience changes in your water, make these simple checks before calling your npXtra™ Professional. One of the following conditions may be the reason for your interruption of service.

Power Supply

Check your power supply cord. Is it plugged fully into the electric outlet? Be certain that the outlet is not controlled by a wall switch which has been turned off. Plug in the transformer.

Blown Fuse

Check the house fuse or circuit breaker panel. Replace a blown-out fuse or reset an open circuit breaker.

Bypass Valves

Check to see if they are in the proper position. The inlet side should have the red arrow pointing towards the control head and the outlet side should have the red arrow pointing away from the control head (see Bypass Valve diagram page 8).

No Water

If you aren't getting any water flow registering on the control head at all, make sure your water supply is working. Open a tap ahead of the filter (outside tap) to see if you have water pressure. If you have water pressure, check the bypass valve. If it is in the service position, place it in bypass and call your NpXtra™ Professional.

REPLACEMENT MEDIA

MODEL NUMBER	MEDIA & TANK
POE-08	MT-08
POE-09	MT-09
POE-10	MT-10
POE-12	MT-12
POE-14	MT-14
POE-18	MT-18
POE-24	MT-24

Instructions for Removing an npXtra™ Tank

This procedure details the steps required to remove a spent NpXtra™ tank and install a fresh NpXtra™ tank.

1. (OPTIONAL) Drain the system if optional drain valve and air valve (snifter valve or air chuck) are installed.
    a. Close the inlet and outlet isolation valves.
    b. Place a container underneath the drain valve.
    c. Open the drain valve to allow pressure to dissipate.
    d. Apply compressed air to the air valve to blow the water out of the system (approximately 10 to 15 gallons).
2. Put the system in bypass mode by turning the handle on the bypass valve so that the arrow points to "Bypass". (See figure 3, page 12)
3. Record total gallons processed by pressing the Total Flow Button on the control head
4. Remove the second (Lag) tank (the tank on the left of the system if the bypass valve is in the rear).
    a. Loosen the nuts that hold the tank to the control head.
    b. Remove the Tank and set aside.
5. Install the new NpXtra™ tank, in the place where you just removed the tank (the lag spot).
    a. Remove the new tank from the packaging
    b. Remove the tank plug and set aside
    c. Remove the tank head from the lag tank
    d. Align the old tank head on the new tank and tighten
    e. Insert the nipples of the tank head into the control head and secure the nuts
6. Remove the spent first (Lead) tank.
    a. Loosen the nuts that hold the tank to the control head.
    b. Remove the Tank and set aside.
7. Place the tank that originally was in the second (Lag) position (that is the tank that was set aside in Step 3c into the first (Lead) position.
    a. Remove the tank head from the lead tank
    b. Align the old tank head on the new tank and tighten
    c. Insert the nipples of the tank head into the control head and secure the nuts
8. Re-Set Service reminder.
    a. Hold all three buttons (Peak Flow, Total Flow, Current Flow) for three seconds
    b. Clear memory by pressing the Total Flow
    c. Hold all three buttons again
    d. Toggle using the Current Flow until you reach the Threshold
    e. Toggle to Yes and enter the gallon amount recorded in Step 3
    f. Toggle the current flow button and the control will return to the main screen
9. Send the spent Tank to an approved facility.
    a. Replace the plug used to ship the new tank on the spent tank
    b. Contact your installer/distributor for more information.

LIMITED WARRANTY

What does this warranty cover?

- R.E. Prescott Co., Inc. Company ("R.E. Prescott Co., Inc.") warrants to the original purchaser the Manufactured Product (the "Product") to be free from any defect in materials or workmanship for one (1) year from the original purchase date.

What does this warranty not cover?

This warranty excludes:

- Performance of the media (The only reliable way to assure your drinking water has been treated for arsenic is to perform a laboratory test for arsenic. R.E. Prescott Co., Inc. will send out a sampling kit with instructions at intervals depending on your water chemistry. Please contact your npXtra™ Professional for details.)
- Use of the Product where water is microbiologically unsafe of unknown chemistry, without adequate disinfection before or after the media tank assembly. The term "media tank assembly" means the media tank head assembly and media tank which together form a filter pressure vessel.
- The cost of shipping the Product for repair.
- The cost of water quality test on your well.
- Service trips to your home to teach you how to use the Product.
- Service calls to your home to repair the Product.
- Improper installation of the Product for repair.
- Product defects that result from improper installation or damage not caused by R.E. Prescott Co., Inc.
- Well or pump problems affecting the operation of the Product.
- Liability on the part of R.E. Prescott Co., Inc. for incidental, indirect, special or consequential damages.
- Defect in the Product caused by normal wear and tear, or physical damage to components of the Product which may occur during normal use.
- Defect in the Product caused by accident, negligence, casualty, improper service, improper maintenance, power outage or spike, or earthquake, fire, flood or any other Act of God.
- Defect in the Product caused by failure to comply with any of the procedures specified in the Owner's manual.
- Defect in the Product resulting from abuse, misuse, alteration or use for other than intended purpose.
- Defect in the Product caused by extreme operating or environmental conditions.
- Defect in the Product caused by modification, tampering, or repair by any party other than R.E. Prescott Co., Inc.
- Defect in the Product resulting from damage during shipping.

For how long after the original purchase?

- This Warranty is in effect for one (1) year from the original purchase date.

How do I make a warranty claim?

- Contact the dealer from whom you purchased the unit.

How does state law relate to this warranty?

- This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.

DISCLAIMER:

THE WARRANTIES SET FORTH HEREIN ARE EXCLUSIVE. R.E. PRESCOTT CO., INC. DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY WARRANTY CLAIMED TO ARISE FROM COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE OF TRADE**.**