Installation Manual

NU AQUA

Platinum Series

For NU Aqua Product ID (SKU):

WU-100GPD-NP
WU-100GPD-NP-ALK
WU-100GPD-NP-UV
WU-100GPD-NP-UV-ALk
WU-100GPD-WP
WU-100GPD-WP-ALK
WU-100GPD-WP-UV
WU-100GPD-WP-UV-ALk

NU AQUA

Congratulations on Your New

Reverse Osmosis System

Scan here for link to video

Watch the complete installation guide at

nuaquasystems.com/install

Table of contents

Conditions

READ THIS FIRST

-Please pay attention to the following installation and safety recommendations:
-Read the installation manual before installing this system.

INCOMING WATER

Incoming water pressure must be between 45 PSI and 80 PSI for NU Aqua no pump reverse osmosis systems. For incoming water pressure below 45 PSI and as low as 15 PSI, we recommend our reverse osmosis systems with booster pumps. Test your water pressure occasionally to make sure the system is performing. If your water is microbiologically unsafe or of unknown quality do not use this system without adequate disinfection before or after the system. Extremely hot or cold incoming water will damage the system and cannot be used. Do not install where water hammer conditions exist, you should install a water hammer arrestor

LEAKS

The included Leak Stop Valve must be installed. Inspect all connections after the installation to make sure no leaks occur, wait until after the system is pressurized (turned on) to inspect again. Check the system occasionally after installation or maintenance to make sure no leaks have developed. Install the system in a location with adequate drainage.

GENERAL

This RO System unit is for climate controlled indoor use only. Exposure to overly high or low temperature ranges will damage the unit. Follow all of your state and local laws and codes regarding plumbing even if they differ from what is stated in this manual. If your state law requires it or you prefer to we recommend using a professional licensed installer or plumber who meets the requirements of this system. All O-Rings, fittings, tubing, filter canisters, and teflon tape wear out after a certain period of time. The lifetime of your components are subject to change with the quality of the water supplied. Do not handle an unwrapped filter directly with your bare hands as this can cause early filter failure. Use appropriate eye and face protection when performing any drilling.

MAINTENANCE

The owner/user is obligated to properly maintain the RO System when necessary, at least every 1 year. This includes the following:

-Always use NU Aqua Systems replacement filters in accordance with the filter change schedule.
-Sanitize your system as often as needed (how often changes with the quality of incoming water).

At least every 3 years:

-Replace the tubing, fittings, and filter cartridges
-Replace leak stop valve.
-Replace the teflon tape on all threaded connections and fittings.
-Replace the O-rings on the filter housings, membrane housing, fittings and filter cartridges.
-Replace any connectors and filter housings with proper replacement parts.

At least every 5 years:

-Replace the faucet
-Replace water storage tank

LIMIT OF LIABILITY

In all circumstances, NU Aqua System's maximum liability is limited to the purchase price of the product(s) sold. NU Aqua Systems is not responsible or financially liable for any water damage, property damage, or personal injury, direct or indirect, that may occur from normal or correct use of the products we sell, catastrophic failure of the products we sell, failure to properly connect the units to water supply lines, and/or failure to understand and observe the proper water pressure ratings and requirements for these units. Use, install and monitor all of our products solely at your own risk. Always check all connections for leaks periodically. NU Aqua Systems is not responsible for any leaks or water damage. In case some states do not allow the exclusion or limitation of incidental or consequential damages, you may choose to return the system. If you choose to keep it, you insist this exclusion still applies to you.

Introduction

Thank you for your purchase of the NU Aqua Platinum Series Reverse Osmosis Drinking water system. We're excited for you to experience the benefits of a premium home water filter system and hope that you are as well. This guide is intended to make your installation pain free and can be followed step by step with our installation video.

The NU Aqua Platinum Series is a Reverse Osmosis System available in a 5-stage, 6-stage or 7-stage configuration. Below is an overview of its stages.

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Stage	Description	Service life
	Spun polypropylene sediment filter removes dirt, rust and larger particles	6 - 9 Months
	Mesh coconut shell granular activated carbon cartridge for removal of chlorine and organic chemicals	6 - 9 Months
	Coconut shell carbon block for removing volatile organic carbon compounds, insecticides/pesticides and chemicals	6 - 9 Months
	For removing the following contaminants in your water: Arsenic, Barium, Cadmium, Chromium, Copper, Turbidity, Fluoride, Lead, Radium, Selenium and TDS	1- 1.5 Years
	Coconut shell post carbon filter for chlorine, taste and odor reduction	6 - 9 Months
	Alkaline filter increases the PH of your water and lowers ORP	1 Year
	UV-C light treatment — supplemental ultraviolet treatment stage	1 Year

Inspection

After unpacking your new RO system and all the components, we recommend that you thoroughly inspect all fittings and tubing to ensure nothing has come loose during shipping. If any part appears cracked or broken from shipping, do not proceed with installation and contact us directly.

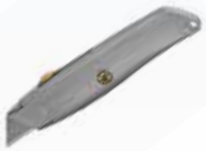
Email: support@nuaquasystems.com
Phone: 1(888) 621-0460

Recommended Tools

Drill with a 1/4" and 1/2" drill bit

Open ended wrench

Phillips screwdriver



Razor blade

14 mm wrench

System Requirements

System Operating Pressure:	45 - 80 PSI	(No Pump Systems)
System Operating Pressure:	15 - 45 PSI	(With Pump Systems)
Incoming Water Temperature:	40° - 100°F	(5°-38°C)

A Water Pressure Must Not Exceed 80PSI
Temperature must not exceed 100°F or go below 40°F
System is for indoor use only

Installation components

Drain saddle

2 Nuts

2 Bolts

2 Drain Clamp Halves

Foam Gasket

RO Faucet

Filter Protection Valve

Tank Ball Valve

Elbows
(no pump systems)

Teflon Tape

TDS Meter

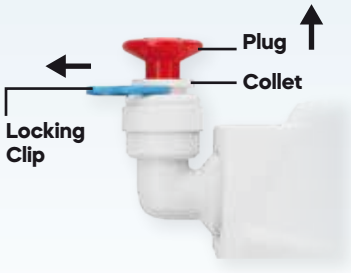
Color coded 1/4" Tubing

Leak stop valve

Feed Water Adapter

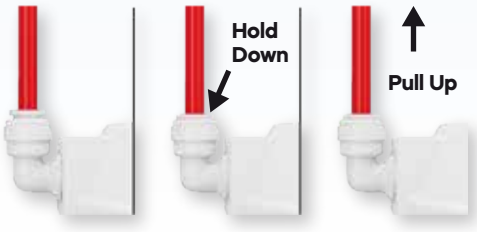
Filter Housing Wrench

Quick Connect Guide



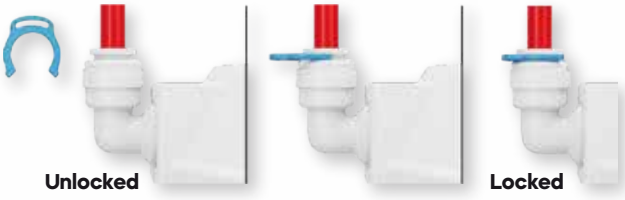
Tubing/Fittings/ Plug Removal

If there is a retaining clip on the collet of the fitting it must be removed first. Push and hold the collet down to unlock the tubing and gently pull the tube/fitting/plug to remove it.



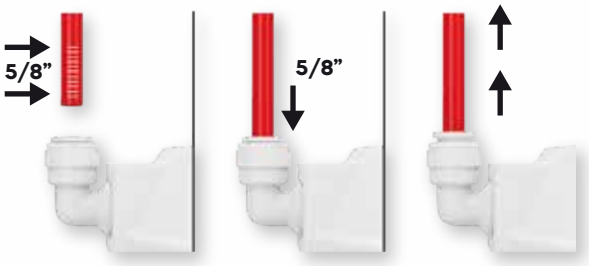
Install or Remove Retaining Clips

To lock a tube in it's fitting make sure that it is fully inserted. Slide the retaining clip between the collet and fitting. Before tubing can be removed from a fitting you must remove this clip first. To remove the retaining clip simply pull the clip away from the fitting until it slide completely out.



Insert Tubing

Push the tubing straight and level into the fitting. When inserting the tubing make sure you push until it stops to ensure the lock is activated. The tubing will travel 5/8" into the fitting. Gently pull on the tubing to check that the lock is activated.



NOTE:
Always check each connection to make sure its secure

How to Cut Tubing

When cutting the supplied tubing its important to use a sharp razor blade. Place the tubing on a flat surface and cut straight through the tubing. All cuts to your tubing must be perfectly straight to ensure the best connections.

NOTE:
Improperly cut tubing may cause a leak

Installation

Feed Water Adapter

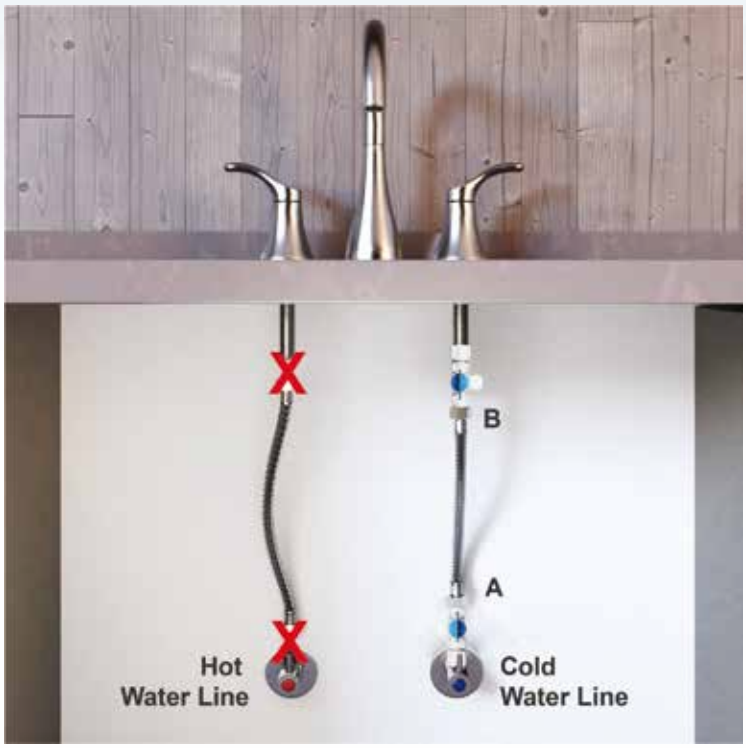
1. Locate and turn off the cold water valve under your sink. Next turn on the cold water faucet to drain any remaining water in the line

2. Place a towel below your cold water valve to catch any remaining water in the line. Loosen the nut on the water line where it is attached to the valve. Feed water adapter can be installed in either location A or B as illustrated in the diagram"

3. Wrap the threads of the water valve and feed water adapter 8-10 times with teflon tape. Using a adjustable wrench secure the feed water adapter onto the cold water valve and the water line to the feed water adapter.

4. Turn the feed water valve to the off position for the remainder of the installation process.

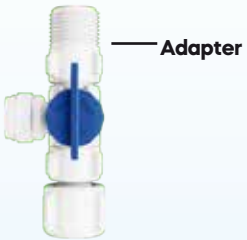
5. Insert one end of your red tubing into the quick connect fitting on your feed water adapter. Secure in place with a retaining clip.



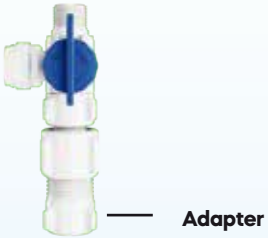
WARNINGS:
Only connect to cold water line.
Hot water will damage your system.

WARNINGS:
Turn the hot water valve off when installing on a single handed faucet.

1/2" Connection



3/8" Connection



Open

Closed

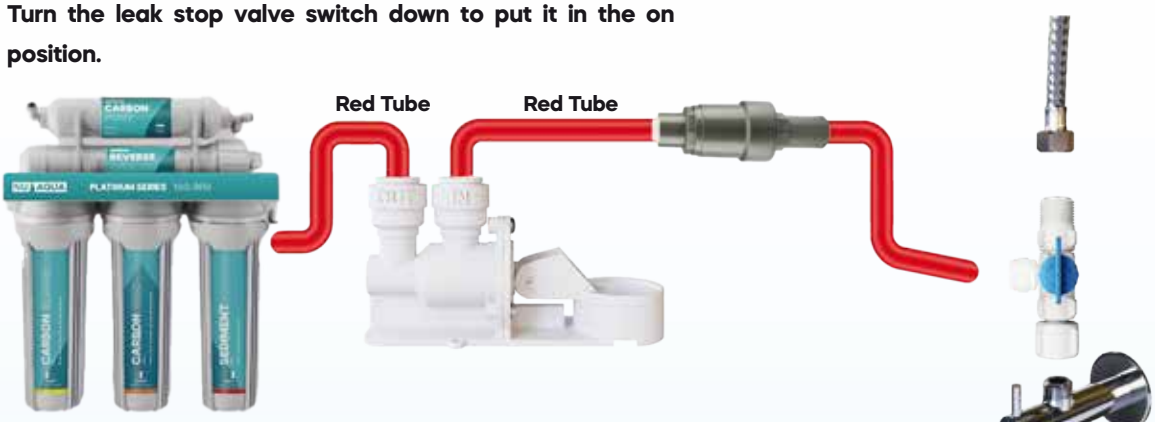
Installation

Filter Protection Valve & Leak Stop Valve Installation

WARNING:
failure to install Leak Stop Valve and Pressure Regulator will void Warranty

NOTE:
it may be best to insert the cartridge after the initial startup is complete

1. **Locate the red tubing coming from the feedwater adapter and make a cut approximately 6” away from the feedwater adapter. Connect the end of the filter protection valve with the longer barrel to the tubing coming from the feed water adapter and connect the extra tubing to the other end of the filter protection valve.**
2. **Locate the lowest point within your cabinet or installation location. Using the included screws, secure your leak stop valve in this location**
3. **Locate the red tubing coming from the filter protection valve and cut it near the location of the leak stopper. Connect the end of the red tubing coming from the feed water adapter to the quick connect on the leak stop valve labeled “in”.**
4. **Take off the plastic wrap off the leak cartridge and place it inside the leak stop valve as shown.**
5. **Turn the leak stop valve switch down to put it in the on position.**



Installation

Drain Saddle

1. Locate a section on your drain plumbing using the image above and mark the location with a pen. If the drain saddle is to be installed on a horizontal section you must position the hole on top of the pipe.

2. Use a drill with a 1/4" drill bit on the section you marked. Be careful to drill only through one side of the pipe.

3. Remove the center of the foam pad included with the drain saddle. Peel off the adhesive tape on the back side and attach it to the drain saddle half with the quick connect fitting. Make sure the center hole aligns with the hole in the drain saddle.

4. Press the two nuts into the back of the drain saddle by hand.

5. Slide a small screwdriver through the quick connect fitting on the drain saddle half and through the hole drilled in your drain pipe. This will keep the holes aligned during the installation.

6. While holding the drain saddle in place secure the back half using the two supplied screws and a screwdriver. Tighten both screws till the drain saddle is secure. You may remove the screwdriver holding the drain saddle in place.

7. Locate your black tubing and insert one end into the quick connect fitting on your drain saddle.

Installation

Faucet Installation

Drilling

If your sink has a existing hole this can be used for your faucet. If you have to drill a new hole follow the steps below.

Granite / Marble / Quartz sinks

Keep the drill bit and hole wet during the drilling process

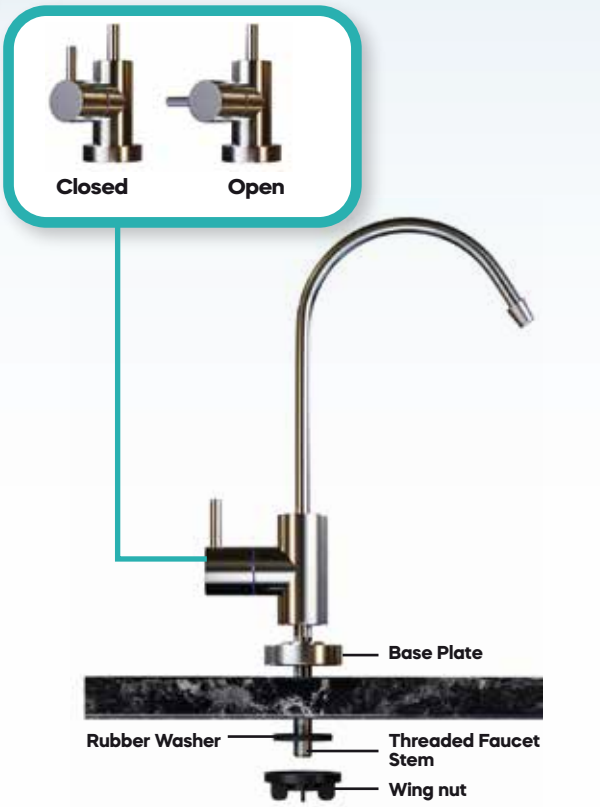
1. Locate the section on your countertop to install your faucet. Using plumbers clay form a ring around the section you will be drilling. This will be used to retain water for the drilling process.

2. Fill the ring with water. Using a diamond tip hole saw drill bit slowly begin drilling. Apply light, and even pressure and let the drill do the work.

Stainless Sink

1. Locate the section on your countertop to install your faucet and drill a 1/4" pilot hole. Once completely drilled through switch to a 1/2" drill bit and re-drill the same hole.

Open and Closed Position



Installation

1. Slide the base plate on the threaded faucet stem. Insert the faucet into the hole in your countertop.

2. Under your sink slide the rubber washer on the faucet stem. Secure the faucet in place by hand with the wing nut.

Tubing Connection

TYPE A

1. Connect the blue tubing to the quick connect fitting on your faucet adapter.

2. Screw the faucet adapter onto the threaded faucet stem.

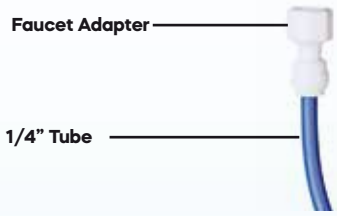
TYPE B

1. Slide the compression nut with the open end facing upwards down your blue tubing. Follow the nut with your sleeve.

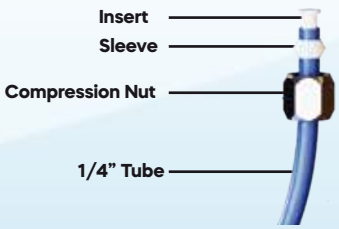
2. Slide the insert into the opening of your tubing firmly.

3. Insert your tubing into the faucet stem and tighten the compression nut to secure it in place. Do not over tighten.

TYPE A



TYPE B



Installation

Tank Ball Valve

Do not release pressure from storage tank unless needed.

NOTE: Tanks come pressurized between 7-10psi when empty.

1. Apply 8-10 clockwise wraps of teflon tape to the threads on the top of your storage tank.

2. Install your tank ball valve on the tank threads and tighten by hand.

3. Unscrew the cap from the tank ball valve and slide it down the yellow tubing.

4. Slide the yellow tubing into the tank ball valve until it stops. Slide the cap up the yellow tubing and tighten on to the ball valve by hand.

Tank Thread

Tank Valve

Tank Stand

Open

Closed

Installation

Filter Housing Install

1. Remove the plastic wrapper from each filter and reinsert them back into their housing. When inserting the stage 2 carbon GAC filter make sure the white washer is facing up.

2. While keeping the filters standing vertically in the housing, attach them to the system by threading it onto the cap. Refer to diagram for each filters placement.

3. With all the filter housings installed, use the filter housing wrench to tighten them fully into place.

DO NOT OVERTIGHTEN HOUSING. Labels may not face forward when tightened.

Food grade lubricant is used on the o-rings. Do not clean this off, it's used to prevent over tightening.

Membrane Installation

1. Disconnect the red tubing connected to the membrane housing cap. Use the housing wrench to loosen and remove the cap.

2. Lubricate the double o-rings with water and insert membrane. Make sure membrane is fully inserted.

3. Reinstall the housing cap by hand then tighten with the housing wrench to ensure a proper seal.

Elbow Installation (no pump systems only)

1. Screw in your elbow into the inlet side of the system. **DO NOT OVERTIGHTEN OR USE TOOLS TO TIGHTEN**.

2. Screw in your elbow into the outlet side of the system. **DO NOT OVERTIGHTEN OR USE TOOLS TO TIGHTEN**. Once installed connect the loose red tubing to this fitting.

When installing elbow fittings do not use tools to tighten.
Teflon is preapplied to elbows for you convenience. Do not remove. However, if necessary, apply 8-10 wraps of teflon tape to the elbow fitting threads.

Installation

6 Stage System Assembly

For Product ID (SKU):
WU-100GPD-NP-ALK, WU-100GPD-WP-ALK

Alkaline Filter Installation

1. Insert one quick connect elbow into the quick connect fitting on each end of the alkaline filter.

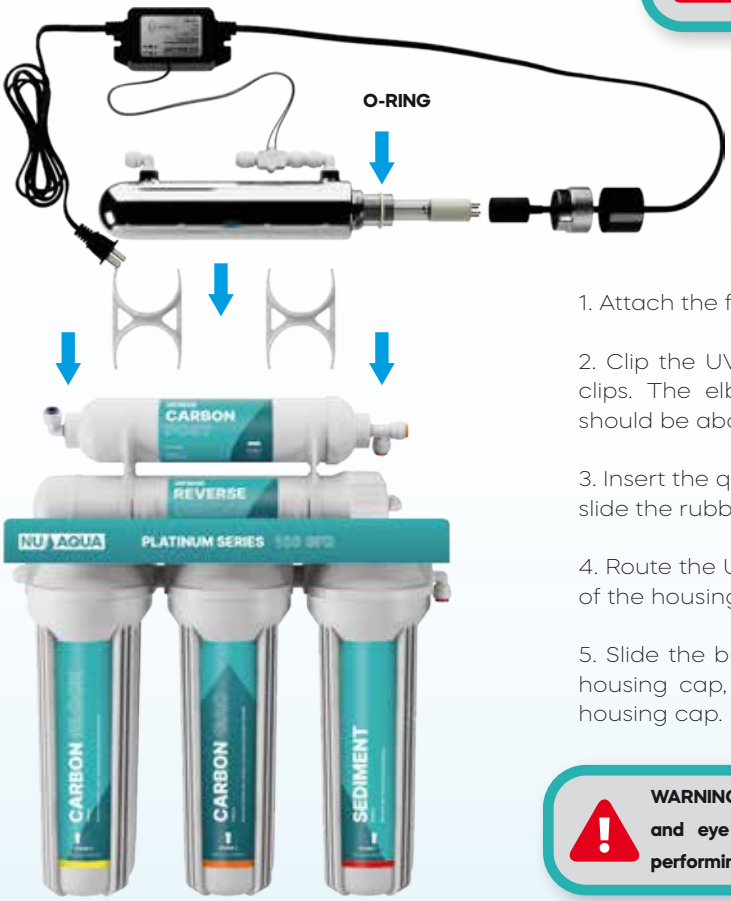
2. Attach the filter housing clips to the post filter.

3.. Clip the alkaline filter into the two housing clips.

UV Filter Installation

For Product ID (SKU):
WU-100GPD-NP-UV, WU-100GPD-WP-UV

WARNING: Do not forget to install o-ring on quartz tube



WARNING: Wear gloves when handling UV bulb. Oil from your hands can lower the lifespan of the bulb.

1. Attach the filter housing clips to the post filter.

2. Clip the UV filter housing into the two housing clips. The elbow fitting without the flow sensor should be above the exit of the post filter.

3. Insert the quartz tube into the filter housing and slide the rubber o-ring onto the quartz tube.

4. Route the UV ballast bulb plug through the cap of the housing and connect it to the bulb.

5. Slide the bulb into the quartz tube, tighten the housing cap, and slide the rubber cap over the housing cap.

WARNING: Do not look directly at UV light. Avoid skin and eye exposure. Always unplug power before performing any maintenance.

System Connections

5 Stage Connections

Product ID (SKU): WU-100GPD-NP, WU-100GPD-WP

A-B Connect red tubing to feed the water adapter and to the inlet of the filter protection valve.

C-D Connect red tubing from the outlet of the filter protection valve to the inlet of the leak detector.

E-F Connect red tubing from the outlet of the leak detector to the water inlet of the first stage.

G-H Connect yellow tubing from the T fitting on the post filter to the tank ball valve.

I-J Connect blue tubing from the outlet of the post filter to the faucet.

K-L Connect the black tubing from the flow restirctor to the drain saddle.

System Connections

6 Stage Alkaline Connections

For Product ID (SKU): WU-100GPD-NP-ALK

A-B Connect red tubing to feed the water adapter and to the inlet of the filter protection valve.

C-D Connect red tubing from the outlet of the filter protection valve to the inlet of the leak detector.

E-F Connect red tubing from the outlet of the leak detector to the water inlet of the first stage.

G-H Connect yellow tubing from the T fitting on the post filter to the tank ball valve.

I-J Connect blue tubing from the outlet of the alkaline filter to the faucet.

K-L Connect the black tubing from the flow restirctor to the drain saddle.

System Connections

6 Stage UV Connections

For Product ID (SKU): WU-100GPD-NP-UV

A-B Connect red tubing to feed the water adapter and to the inlet of the filter protection valve.

C-D Connect red tubing from the outlet of the filter protection valve to the inlet of the leak detector.

E-F Connect red tubing from the outlet of the leak detector to the water inlet of the first stage.

G-H Connect yellow tubing from the T fitting on the post filter to the tank ball valve.

I-J Connect blue tubing from the outlet of the UV filter to the faucet.

K-L Connect the black tubing from the flow restirctor to the drain saddle.

System Connections

7 Stage Connections

For Product ID (SKU): WU-100GPD-NP-UV-ALK

A-B Connect red tubing to feed the water adapter and to the inlet of the filter protection valve.

C-D Connect red tubing from the outlet of the filter protection valve to the inlet of the leak detector.

E-F Connect red tubing from the outlet of the leak detector to the water inlet of the first stage.

G-H Connect yellow tubing from the T fitting on the post filter to the tank ball valve.

I-J Connect blue tubing from the outlet of the UV filter to the faucet.

K-L Connect the black tubing from the flow restirctor to the drain saddle.

System Connections

5 Stage Pump Connections

For Product ID (SKU): WU-100GPD-WP

A-B Connect red tubing to feed the water adapter and to the inlet of the filter protection valve.

C-D Connect red tubing from the outlet of the filter protection valve to the inlet of the leak detector.

E-F Connect red tubing from the outlet of the leak detector to the water inlet of the first stage.

G-H Connect yellow tubing from the T fitting on the post filter to the tank ball valve.

I-J Connect blue tubing from the outlet of the post filter to the faucet.

K-L Connect the black tubing from the flow restirctor to the drain saddle.

System Connections

6 Stage Alkaline Pump Connections

For Product ID (SKU): WU-100GPD-WP-ALK

A-B Connect red tubing to feed the water adapter and to the inlet of the filter protection valve.

C-D Connect red tubing from the outlet of the filter protection valve to the inlet of the leak detector.

E-F Connect red tubing from the outlet of the leak detector to the water inlet of the first stage.

G-H Connect yellow tubing from the T fitting on the post filter to the tank ball valve.

I-J Connect blue tubing from the outlet of the alkaline filter to the faucet.

K-L Connect the black tubing from the flow restirctor to the drain saddle.

System Connections

6 Stage UV Pump Connections

For Product ID (SKU): WU-100GPD-WP-UV

A-B Connect red tubing to feed the water adapter and to the inlet of the filter protection valve.

C-D Connect red tubing from the outlet of the filter protection valve to the inlet of the leak detector.

E-F Connect red tubing from the outlet of the leak detector to the water inlet of the first stage.

G-H Connect yellow tubing from the T fitting on the post filter to the tank ball valve.

I-J Connect blue tubing from the outlet of the UV filter to the faucet.

K-L Connect the black tubing from the flow restirctor to the drain saddle.

System Connections

7 Stage Pump Connections

For Product ID (SKU): WU-100GPD-WP-UV-ALK

A-B Connect red tubing to feed the water adapter and to the inlet of the filter protection valve.

C-D Connect red tubing from the outlet of the filter protection valve to the inlet of the leak detector.

E-F Connect red tubing from the outlet of the leak detector to the water inlet of the first stage.

G-H Connect yellow tubing from the T fitting on the post filter to the tank ball valve.

I-J Connect blue tubing from the outlet of the UV filter to the faucet.

K-L Connect the black tubing from the flow restirctor to the drain saddle.

System Connections

(Optional) Refrigerator Kit Instructions

Refrigerator/ Ice Maker kit available here:

Scan Me!

1. If you're currently installing your system and have not gone through the startup process proceed to step 4.
2. Turn off your cold water valve that is connected to your reverse osmosis sytem and close the tank ball valve.
3. Open the faucet from the reverse osmosis system and allow the system to drain until the water flow stops.
4. Locate the blue tubing connected to your reverse osmosis faucet and make a cut approximately 8-12 inches away from the system. Make sure to cut the tubing straight.
5. Install the quick connect T-fitting with the aligned ends to the blue tubing coming from the system and faucet.
6. Connect the white tubing supplied with your refrigerator Kit into the remaining opening on your T-fitting.
7. Make a cut in the white approximately 8-10 inches from the system and install the inline valve between the two lines.
8. Run the white tubing to the backside of your refrigerator. Now slide the compression nut onto the tubing with the open end facing upwards and follow the nut with the sleeve.
9. Slide the insert firmly into the tubing and now tightend the compression nut onto the water inlet on the refrigerator.
10. Now you may proceed with turning your system on. When flushing your system make sure the line running to your refrigerator is in the off position untill the flushing process is completed.

System Startup

WARNING:
Before sending any water through your system fully check every connection on the system. Remove any retaining clips and push the tubing into the quick connect to ensure its fully inserted. Reinstall each retaining clip.

NOTE: DO NOT DRINK ANY WATER UNTIL COMPLETING THE FLUSHING PROCESS BELOW.

1. Turn the valve on your tank to the off position. This is to prevent any loose filters media from entering your tank.
2. Open your cold water line fully then open your feed water adapter.
3. If your system is equiped with a booster pump plug in the electrical cord into your outlet.
4. If your system is equiped with a UV filter plug the electrical cord into your outlet.
5. Turn the handle on your reverse osmosis faucet to the open position. This may take up to 10 minutes for water to begin to drip from the faucet. Once water begins to drip, let it run for 30 minutes.
6. After 30 minutes have passed close the reverse osmosis faucet and wait 10 minutes for the system to pressurize. Once pressurized feel and visually check each fitting and connection for leaks. If no leaks are present, proceed. If you do have a leak, locate the source and turn off the cold water valve. Address the leak, if unable to resolve, contact our customer support.
7. Turn the tank ball valve to the open position.
8. Wait for the tank to fill, this will take approximately 1-3 hours.
9. Now that the tank is full, flush the system by opening the reverse osmosis faucet until the storage tank is completely drained. The water flow will be reduced to a slow trickle once the tank is empty.
10. Repeat steps 6-7 three to five times to ensure your system is properly flushed. Once completed your system is ready for use.

IMPORTANT: Check for leaks daily during the first two weeks after installation.

NOTE: Your water may have a slightly milky color during the first week of use. This is caused by tiny air bubbles in the water and will go away with use.

NOTE: If your system has an alkaline filter your water's TDS will register higher. For accurate testing, test water that has not been processed by the alkaline filter.

Filter Changes

WANT YOUR FILTERS DELIVERED AUTOMATICALLY? JOIN THE FILTER CLUB AND GET YOUR FILTERS AT A DISCOUNT.

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NOTE: It is not necessary to disconnect the automatic shut off valve during a filter change. If you do disconnect it refer to system diagrams on page 28-35.

Prefilers Stage 1-3

1. Turn off the cold water valve that your system is connected to and open the reverse osmosis faucet to drain the system. Unplug your system if it has a booster pump or UV filter.
2. Place your system in a small bucket or water collection tray and loosen stages 1-3 with your housing wrench.
3. Remove and discard the old filters.
4. Using dish soap wash the prefilter housings. Thoroughly rinse the housings to ensure all the soap is removed.
5. Wash your hands before unwrapping and handling your new replacement filters.
6. Unwrap and drop in your new replacement filters in their housing.
7. Before tightening the housings make sure that each housing has it's o-ring in the correct location.
8. Tighten the filter housings using your housing wrench.
9. If you're not replacing any other filters follow the system restart procedure on page 21.

Membrane

1. Turn off the cold water valve that your system is connected to and open the reverse osmosis faucet to drain the system. Unplug plug your system if it has a booster pump or UV filter.
2. Place your system in a small bucket or water collection tray and loosen stages 1-3 with your housing wrench.
3. Disconnect the red tubing from the membrane housing cap and open the membrane housing with the housing wrench.
4. Pull out the old membrane. You may need pliers to help pull out the membrane.
4. Push in the new membrane firmly into the housing. Tighten the housing cap with your housing wrench.
5. If you're not replacing any other filters follow the system restart procedure on page 21.

Post Filter

NOTE: Make sure you've already turned off your system. If not follow step #1 from Prefilters.

1. Disconnect your tubing from both ends of the filter and remove the push fittings from the filter.
2. Remove the old filter from the housing clips and discard.
3. Attach your new post filter to the housing clips in the same orientation as the one previously removed.
4. Reinsert the two push fittings from your older filter and attach your tubing.
5. If you're not replacing any other filters follow the system restart procedure on page 21.

Alkaline Filter

NOTE: Make sure you've already turned off your system. If not follow step #1 from Prefilters.

1. Disconnect your tubing from both ends of the filter and remove the push fittings from the filter.
2. Remove the old filter from the housing clips and discard.
3. Attach your new alkaline filter to the housing clips in the same orientation as the one previously removed.
4. Reinsert the two push fittings from your older filter and attach your tubing.
5. If you're not replacing any other filters follow the system restart procedure on page 21.

UV Filter

NOTE: DO NOT unscrew the UV filters metal cap. This is not needed to change the bulb.

1. Make sure the UV power cord is unplugged from the power outlet.
2. Slide off the black plastic cap off of the UV filter and slide the bulb out of the filter housing.
3. Unplug and discard the old bulb.
4. Connect new bulb to power supply and slide into filter housing. Reinstall black plastic cap.

WARNING: Do not look directly at UV light. Avoid skin and eye exposure. Always unplug power before performing any maintenance.

Sanitizing Your System

To keep your system in the best operating conditions it's recommended that you sanitize your system once every 12 months. We recommend using Sani Systems liquid sanitizer.

NOTE: Make sure you've already turned off your system. If not follow step #1 from Prefilters on page 22.

1. You should sanitize your system during a complete filter replacement.
2. Turn off the cold water supply line to your system.
3. Open your reverse osmosis faucet to drain the system.
4. Once the flow from your faucet has stopped remove your stage 1 sediment filter, stage 2 GAC filter, stage 3 carbon block filter, and reverse osmosis membrane. Do not remove the stage 5 carbon post filter.
5. Follow Sani Systems solution instructions to mix solution with water.
6. Fill stages 1-3 prefilter housings with your mixed solution and reinstall the housings onto the system.
7. Close the reverse osmosis faucet, turn on the cold water supply line, and let your system run for 10 minutes. Make sure your tank is in the open position so that your tank is sanitized. After holding tank is full, let system stand idle for a minimum of 60 seconds.
8. Open your reverse osmosis faucet and let your system drain for approximately 10 minutes.
9. Close the reverse osmosis faucet and allow tank to refill before draining the system.
10. Repeat steps 8-9 at least 2 times to completely flush the system.
11. Your system is not completely sanitize. You may now proceed with replacing your filters.

Vacation Mode

1-2 Weeks

Turning off your system

1. Turn off your feed water valve and unplug any electrical cords coming from your system if you have a booster pump or UV filter.

Turning on your system

1. Open the feed water adapter and reconnect your electrical plugs if applicable.
2. Flush your system 2-3 times to reactivate your filters.

1+ Months

Turning off your system

1. Turn off your feed water valve and unplug any electrical cords coming from your system if you have a booster pump or UV filter.
2. Open the reverse osmosis faucet and fully drain the system.
3. Remove each filter from your system and place them vertically to allow them to dry.
4. Once dry, plastic wrap each filter air tight and store them in the refrigerator. Only store filters less than 3 months old. If they're older than 3 months its best to replace the filter.
5. Leave the filter housings off to ensure the system drys to prevent bacteria from growing.

Turning on your system

1. Thoroughly wash your filter housings and reinstall your filters. Turn on your feed water valve.
2. Flush your system 2-3 times to reactivate your filters.

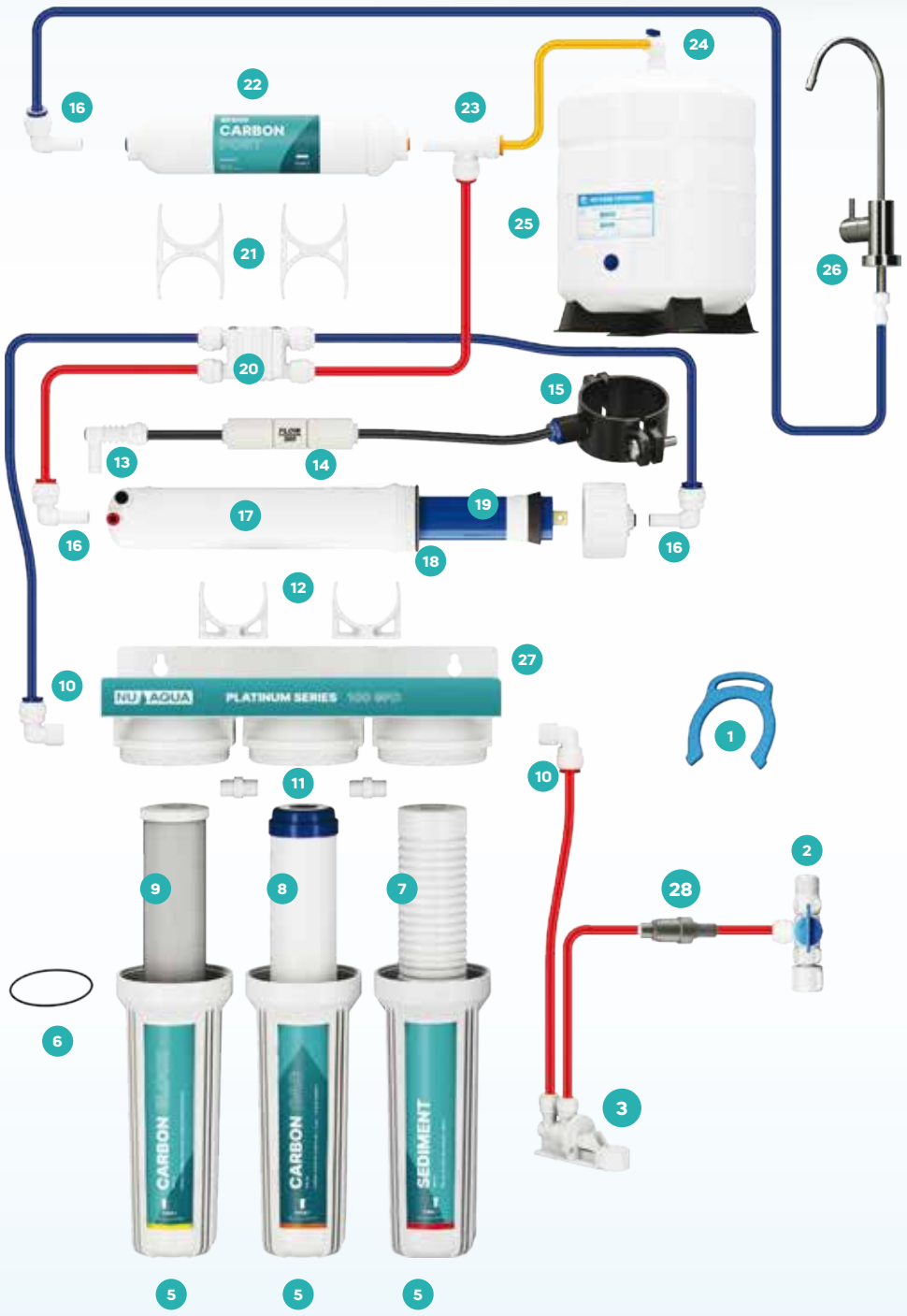
Troubleshooting

Problem	Causes	Solution
Milky colored water Air bubbles in water	• Air in the system	• Air in the system is normal with initial installation and startup. This will clear up within 1 to 2 weeks.
Loud or noisy system	• Air gap faucet • Location of drain saddle • Restrictions in drain line	• Will disappear after system shutdown. • Relocate drain saddle above P-trap. • Blockage sometimes caused by debris from garbage disposal or dishwasher.
Slow production or no water from RO faucet	• System just starting up • Air pressure in water storage tank is low • Tank valve is closed • Low water pressure • Crimps in tubing • Clogged prefilters • Fouled RO membrane	•Normally it takes 1-3 hours to fill the tank. Low water pressure and/or temperature can reduce production rate. • Add pressure to the storage tank. The pressure should be 7-10 PSI when the tank is empty. • Add a booster pump. • Make sure tubing is straight. • Replace prefilters. • Replace RO membrane.
Water taste or an offensive smell	• Drain line clogged • Inline post carbon filter is depleted • Fouled RO membrane	• Check for clog in drain line and clear. •Replace inline carbon filter. •Replace RO membrane.
No drain water	• Clogged flow restrictor	• Replace the flow restrictor.
Leaks	• Fittings are not tightened • Twisted/damaged O-ring • Misalignment of hole in drain saddle • Threaded connections	• Tighten fittings as necessary. • Replace the O-ring. . Realign drain saddle. . Replace teflon tape with 7-10 wraps.
No water	• Check leak stop valve • Check feed water adapter valve	• Replace leak stop valve. • Check water flows from feed water adapter. If no water comes through, replace the feed water adapter
Tank not filling	• Tank needs to be primed • Low incoming water pressure	• Connect the tank directly to feed water adapter and fill for 1 minute. This will help prime the tank
UV light not turning on	• Faulty ballast • Plug shared with garbage disposal	• Test on a new outlet that is known to be working. • Replace UV bulb • Contact support

System Diagrams

5 Stage

For Product ID (SKU): WU-100GPD-NP

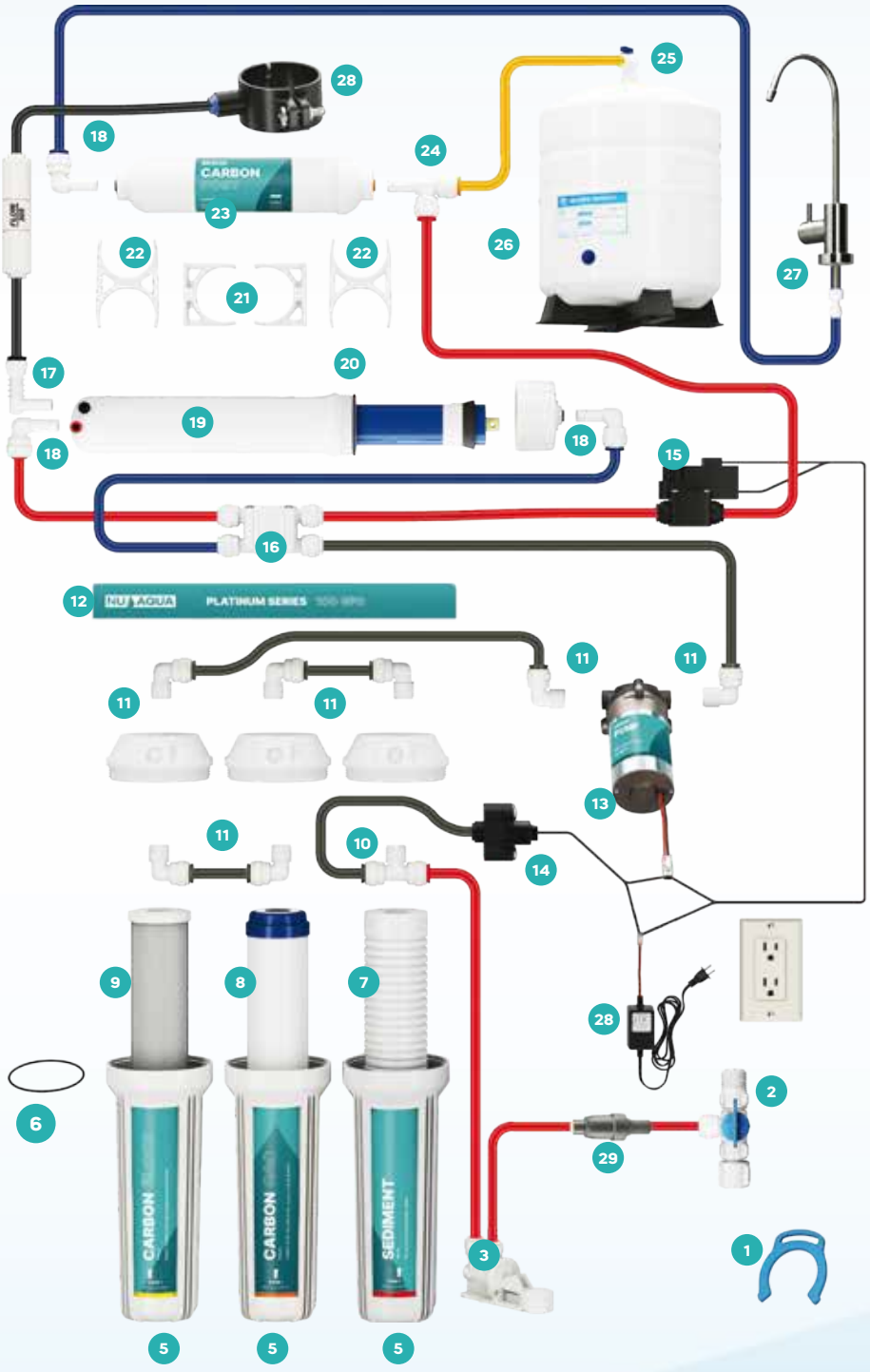


1. WU-RCLIP
2. WU-FWA-02
3. WU-14LSV
4. WU-FH10-CLEAR-SL
5. WU-FH10-WHITE-SL
6. WU-FHRING-SL
7. WU-S-1M
8. WU-GAC-1M
9. WU-CB-5M
10. WU-14X14-ELB
11. WU-AHN-0202
12. WU-CL-204-T
13. WU-CHK-VLV-PF
14. WU-FL-300
15. WU-14DS
16. WU-14PF
17. WU-MHP-1812-PF
18. WU-MHP-OR-SL
19. WU-100GPD-MB
20. WU-14-ASOV
21. WU-2.5X2CLP
22. WU-PST
23. WU-14X14XPF
24. WU-BV-14
25. WU-4GTANK
26. WU-FAU-606CP
27. WU-NP-BRKT
28. WU-FPV-70

System Diagrams

5 Stage with Pump

For Product ID (SKU): WU-100GPD-WP

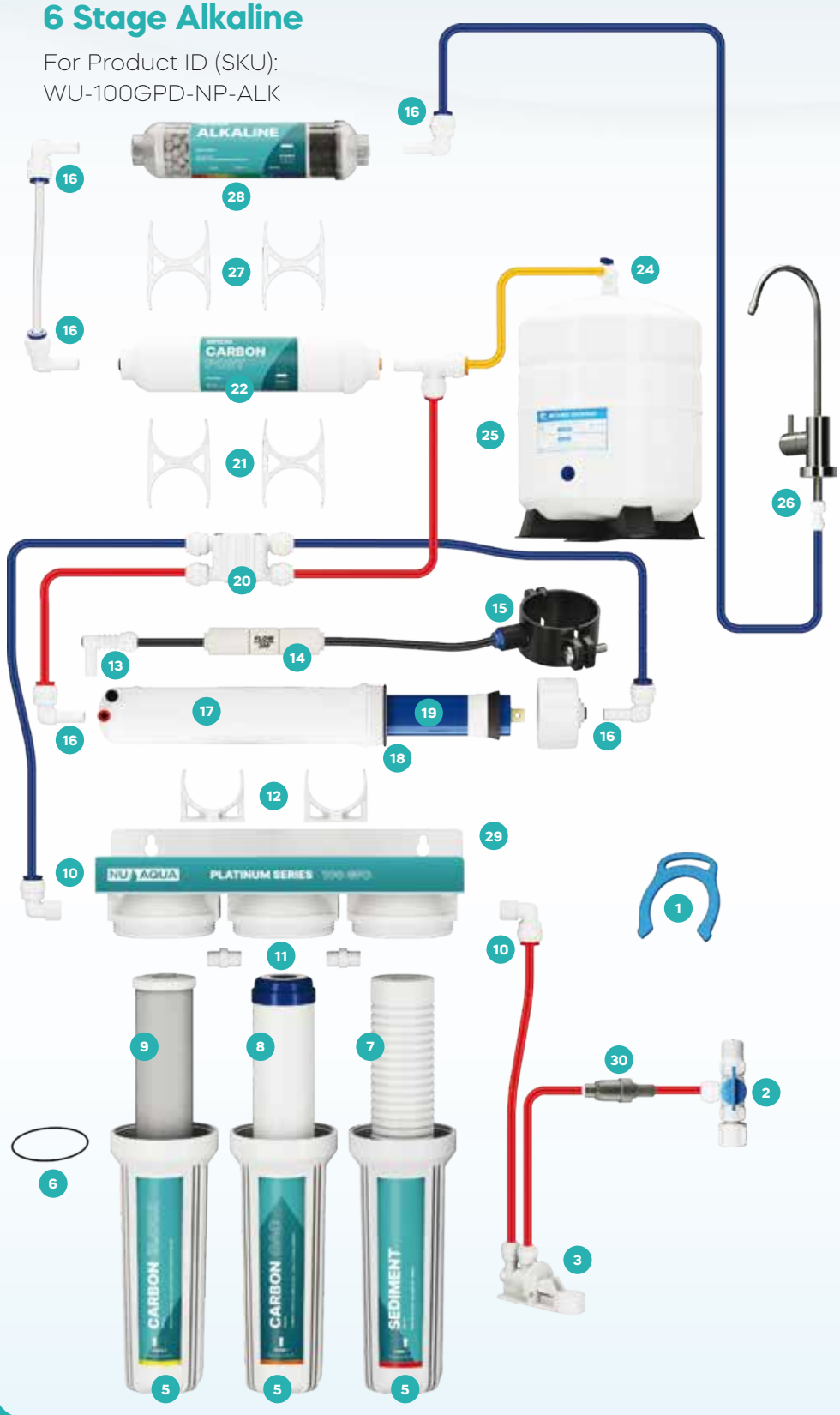


1. WU-RCLIP
2. WU-FWA-02
3. WU-14LSV
4. WU-FH10-CLEAR-SL
5. WU-FH10-WHITE-SL
6. WU-FHRING-SL
7. WU-S-1M
8. WU-GAC-1M
9. WU-CB-5M
10. WU-WP-T
11. WU-14X14-ELB
12. WU-WP-BRKT
13. WU-PUMP
14. WU-PUMP-LPS
15. WU-PUMP-HPS
16. WU-14-ASOV
17. WU-CHK-VLV-PF
18. WU-14-PF
19. WU-MHP-1812-PF
20. WU-MHP-OR-SL
21. WU-CL-204-T
22. WU-2.5X2CLP
23. WU-PST
24. WU-14X14XPF
25. WU-BV-14
26. WU-46GTANK
27. WU-FAU-606CP
28. WU-14DS
28. WU-PUMP-PS
29. WU-FPV-40

System Diagrams

6 Stage Alkaline

For Product ID (SKU):
WU-100GPD-NP-ALK

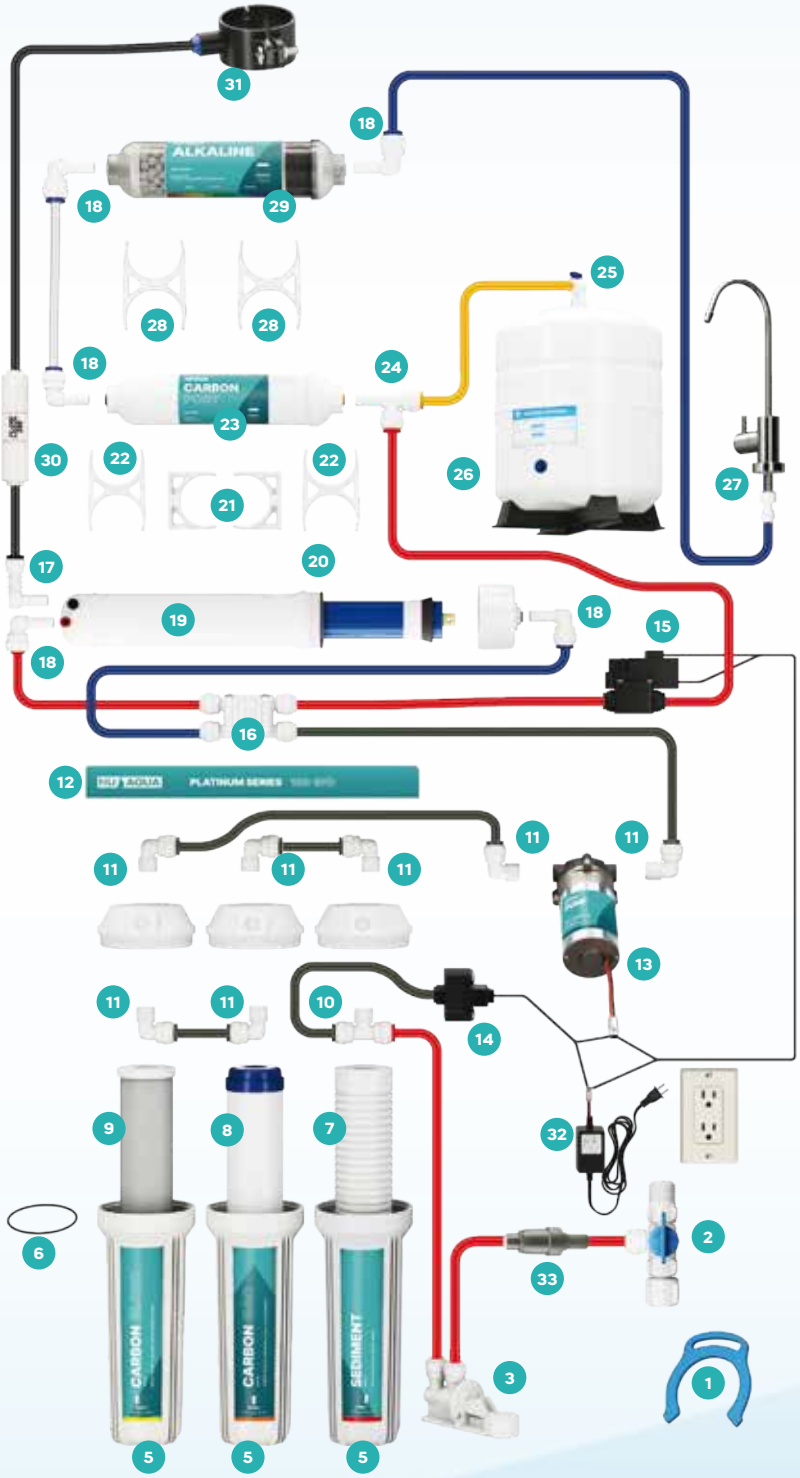


1. WU-RCLIP
2. WU-FWA-02
3. WU-14LSV
4. WU-FH10-CLEAR-SL
5. WU-FH10-WHITE-SL
6. WU-FHRING-SL
7. WU-S-1M
8. WU-GAC-1M
9. WU-CB-5M
10. WU-14X14-ELB
11. WU-AHN-0202
12. WU-CL-204-T
13. WU-CHK-VLV-PF
14. WU-FL-300
15. WU-14DS
16. WU-14PF
17. WU-MHP-1812-PF
18. WU-MHP-OR-SL
19. WU-100GPD-MB
20. WU-14-ASOV
21. WU-2.5X2CLP
22. WU-PST
23. WU-14X14XPF
24. WU-BV-14
25. WU-4GTANK
26. WU-FAU-606CP
27. WU-2X2-CLP
28. WU-ALK-FO
29. WU-NP-BRKT
30. WU-FPV-70

System Diagrams

6 Stage with Pump

For Product ID (SKU): WU-100GPD-WP-ALK



1. WU-RCLIP
2. WU-FWA-02
3. WU-14LSV
4. WU-FH10-CLEAR-SL
5. WU-FH10-WHITE-SL
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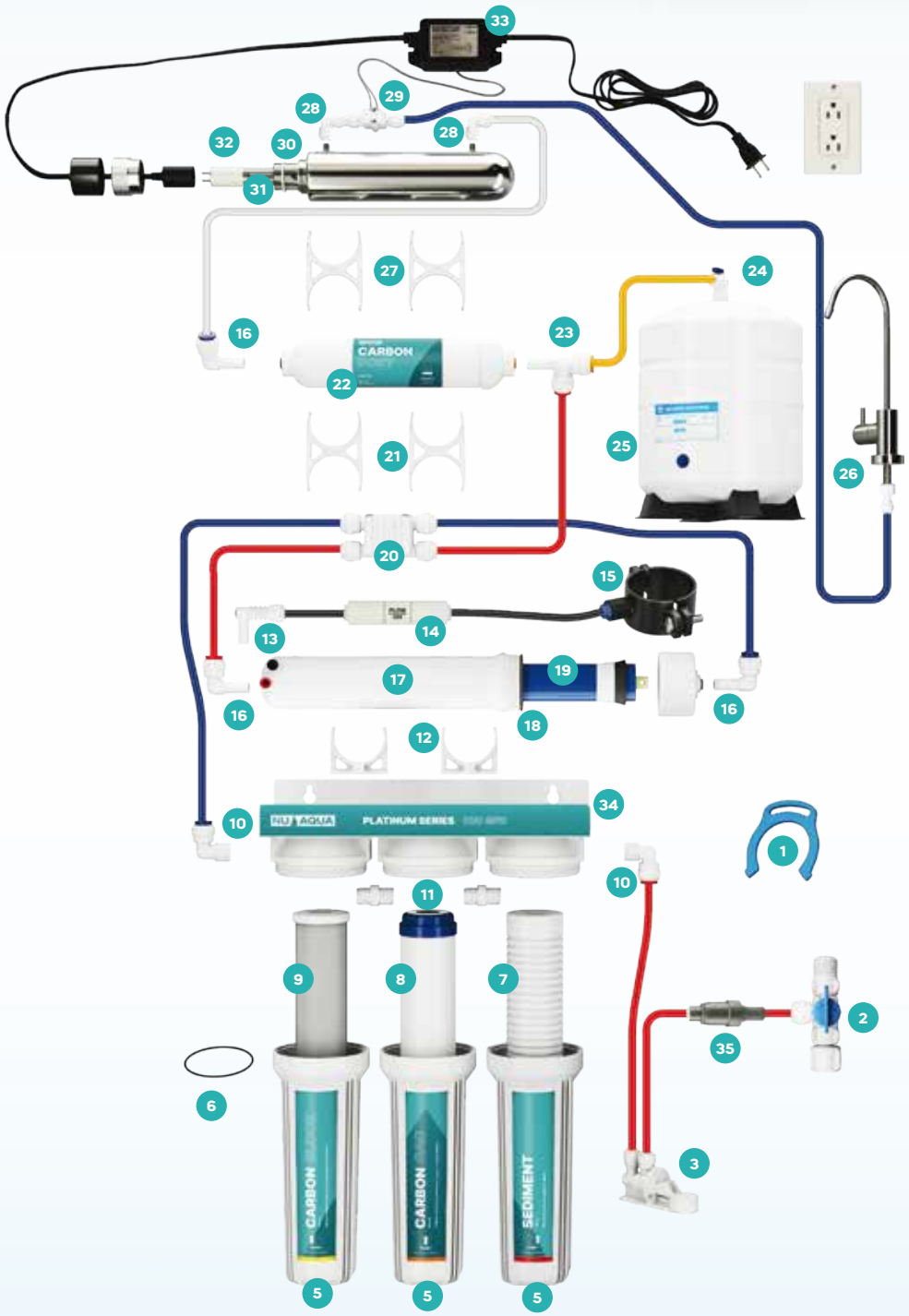
7. WU-S-1M
8. WU-GAC-1M
9. WU-CB-5M
10. WU-WP-T
11. WU-14X14-ELB
12. WU-WP-BRKT
13. WU-PUMP
14. WU-PUMP-LPS
15. WU-PUMP-HPS
16. WU-14-ASOV
17. WU-CHK-VLV-PF
18. WU-14-PF
19. WU-MHP-1812-PF
20. WU-MHP-OR-SL
21. WU-CL204-T
22. WU-2.5X2CLP
23. WU-PST
24. WU-14X14XPF
25. WU-BV-14
26. WU-4GTANK
27. WU-FAU-606CP
28. WU-2X2-CLP
29. WU-ALK-FO
30. WU-FL-300
31. WU-14DS
32. WU-PUMP-PS
33. WU-FPV-40

System Diagrams

6 Stage Ultraviolet

For Product ID (SKU): WU-100GPD-NP-UV

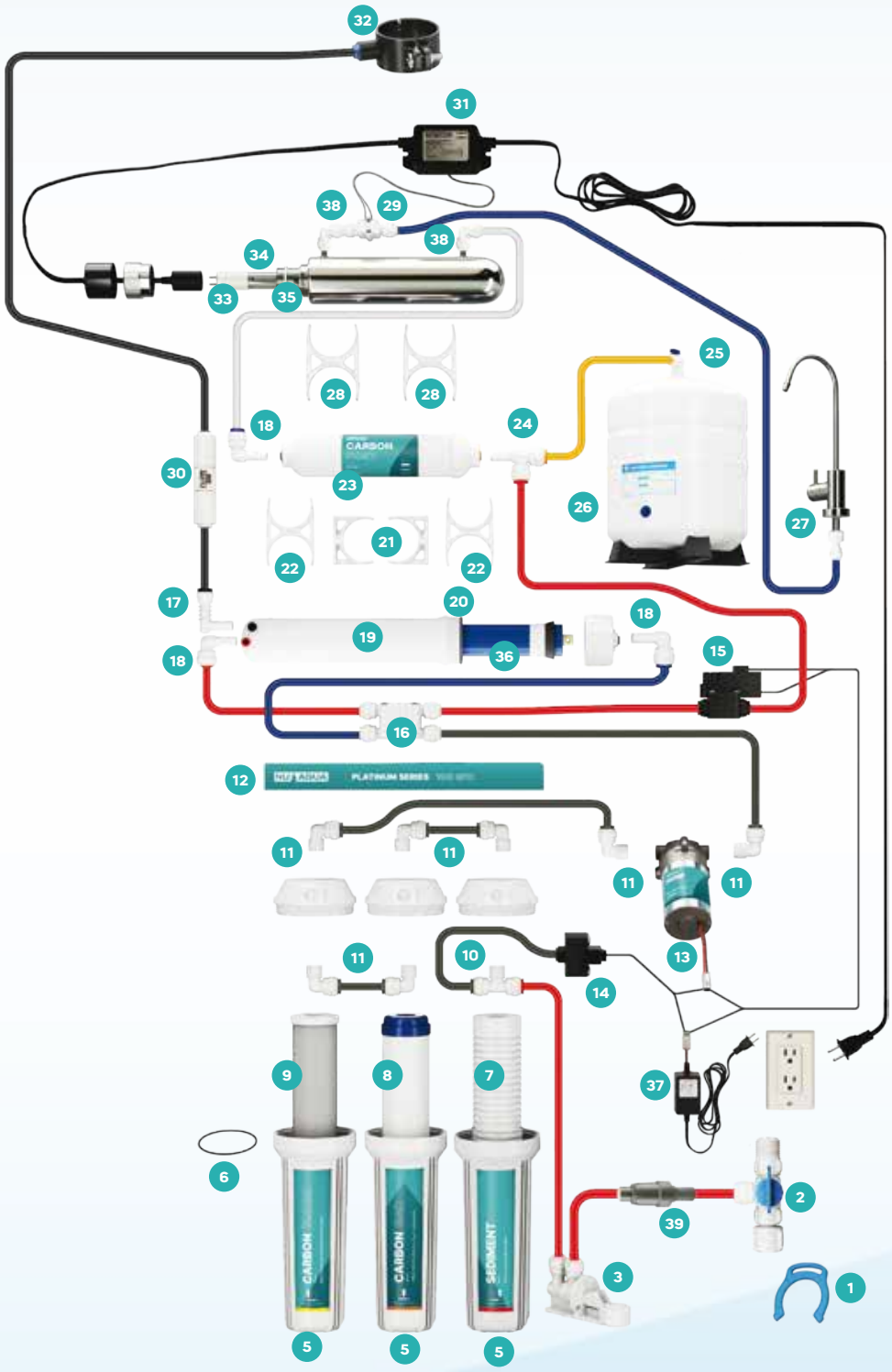


1. WU-RCLIP
2. WU-FWA-02
3. WU-14LSV
4. WU-FH10-CLEAR-SL
5. WU-FH10-WHITE-SL
6. WU-FHRING-SL
7. WU-S-1M
8. WU-GAC-1M
9. WU-CB-5M
10. WU-14X14-ELB
11. WU-AHN-0202
12. WU-CL-204-T
13. WU-CHK-VLV-PF
14. WU-FL-300
15. WU-14DS
16. WU-14PF
17. WU-MHP-1812-PF
18. WU-MHP-OR-SL
19. WU-100GPD-MB
20. WU-14-ASOV
21. WU-2.5X2CLP
22. WU-PST
23. WU-14X14XPF
24. WU-BV-14
25. WU-4GTANK
26. WU-FAU-606CP
27. WU-2X2-CLP
28. WU-14X14-QC
29. WU-FLW-S
30. WU-UV-GLASS
31. WU-UV-ORING
32. WU-UV-BULB
33. WU-UV-BLST
34. WU-NP-BRKT
35. WU-FPV-70

System Diagrams

6 Stage Ultraviolet with Pump

For Product ID (SKU): WU-100GPD-WP-UV

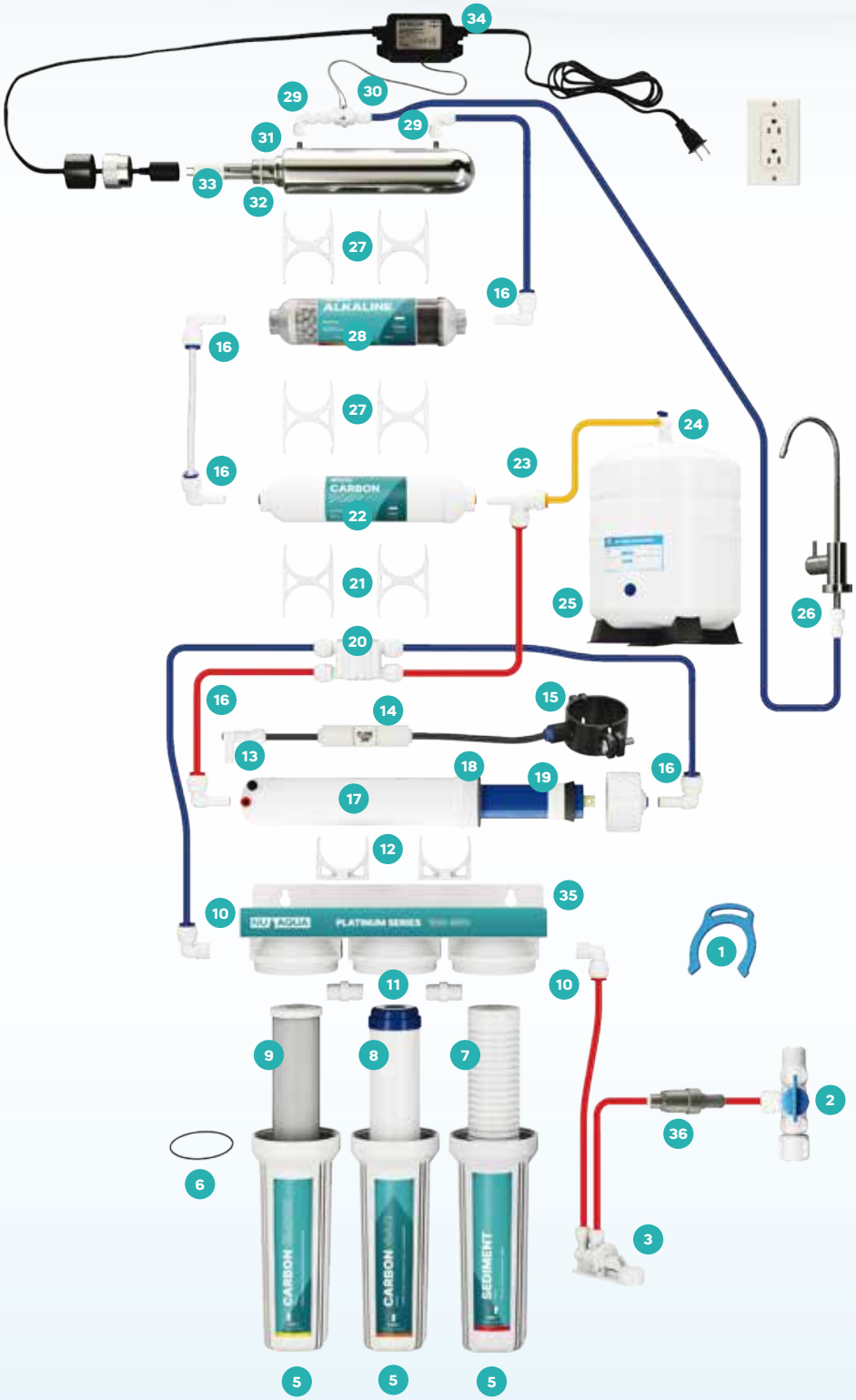


1. WU-RCLIP
2. WU-FWA-02
3. WU-14LSV
4. WU-FH10-CLEAR-SL
5. WU-FH10-WHITE-SL
6. WU-FHRING-SL
7. WU-S-1M
8. WU-GAC-1M
9. WU-CB-5M
10. WU-WP-T
11. WU-14X14-ELB
12. WU-WP-BRKT
13. WU-PUMP
14. WU-PUMP-LPS
15. WU-PUMP-HPS
16. WU-14-ASOV
17. WU-CHK-VLV-PF
18. WU-14-PF
19. WU-MHP-1812-PF
20. WU-MHP-OR-SL
21. WU-CL-204-T
22. WU-2.5X2CLP
23. WU-PST
24. WU-14X14XPF
25. WU-BV-14
26. WU-4GTANK
27. WU-FAU-606CP
28. WU-2X2-CLP
29. WU-FLW-S
30. WU-FL-300
31. WU-UV- BLST
32. WU-14DS
33. WU-UV-BULB
34. WU-UV-GLASS
35. WU-UV-ORING
36. WU-100GPD-MB
37. WU-PUMP-PS
38 WU-14X14-QC
39. WU-FPV-40

System Diagrams

7 Stage

For Product ID (SKU): WU-100GPD-NP-UV-ALK

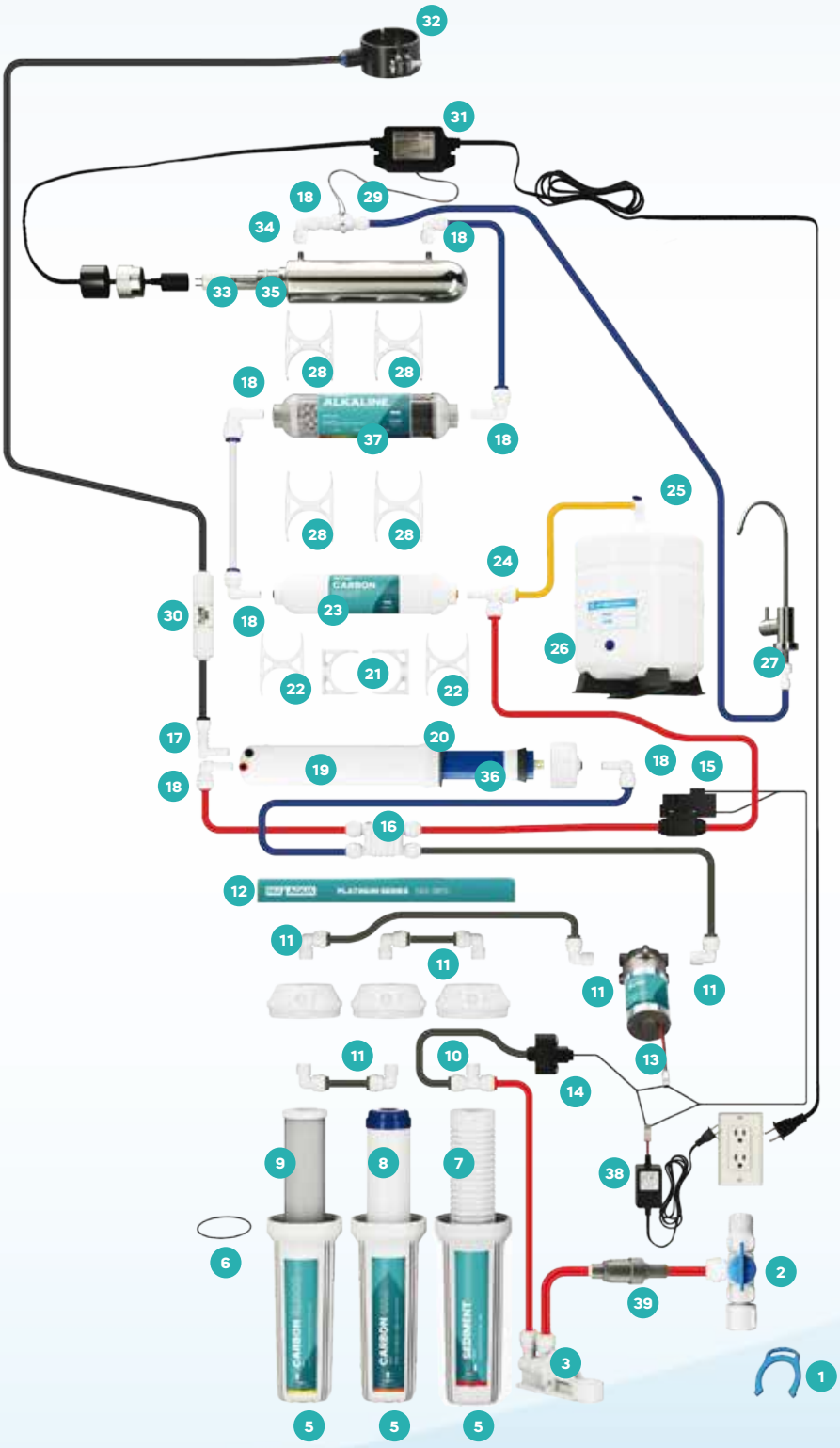


1. WU-RCLIP
2. WU-FWA-02
3. WU-14LSV
4. WU-FH10-CLEAR-SL
5. WU-FH10-WHITE-SL
6. WU-FHRING-SL
7. WU-S-1M
8. WU-GAC-1M
9. WU-CB-5M
10. WU-14X14-ELB
11. WU-AHN-0202
12. WU-CL-204-T
13. WU-CHK-VLV-PF
14. WU-FL-300
15. WU-14DS
16. WU-14PF
17. WU-MHP-1812-PF
18. WU-MHP-OR-SL
19. WU-100GPD-MB
20. WU-14-ASOV
21. WU-2.5X2CLP
22. WU-PST
23. WU-14X14XPF
24. WU-BV-14
25. WU-4GTANK
26. WU-FAU-606CP
27. WU-2X2-CLP
28. WU-ALK-FO
29. WU-14X14-QC
30. WU-FLW-S
31. WU-UV-GLASS
32. WU-UV-ORING
33. WU-UV-BULB
34. WU-UV-BLST
35. WU-NP-BRKT
36. WU-FPV-70

System Diagrams

7 Stage with Pump

For Product ID (SKU): WU-100GPD-WP-UV-ALK



1. WU-RCLIP
2. WU-FWA-02
3. WU-14LSV
4. WU-FH10-CLEAR-SL
5. WU-FH10-WHITE-SL
6. WU-FHRING-SL
7. WU-S-1M
8. WU-GAC-1M
9. WU-CB-5M
10. WU-WP-T
11. WU-14X14-ELB
12. WU-WP-BRKT
13. WU-PUMP
14. WU-PUMP-LPS
15. WU-PUMP-HPS
16. WU-14-ASOV
17. WU-CHK-VLV-PF
18. WU-14X14-QC
19. WU-MHP-1812-PF
20. WU-MHP-OR-SL
21. WU-CL-204-T
22. WU-2.5X2CLP
23. WU-PST
24. WU-14X14XPF
25. WU-BV-14
26. WU-4GTANK
27. WU-FAU-606CP
28. WU-2X2-CLP
29. WU-FLW-S
30. WU-FL-300
31. WU-UV-BLST
32. WU-14DS
33. WU-UV-BULB
34. WU-UV-GLASS
35. WU-UV-ORING
36. WU-100GPD-MB
37. WU-ALK-FO
38. WU-PUMP-PS
39. WU-FPV-40

NU AQUA

Service Record

Date of Purchase

Installed By

Date of Install

DATE	1 ST STAGE SEDIMENT	2 ST STAGE CARBON GAC	3 ST STAGE CARBON BLOCK	RO MEMBRANE	5 ST STAGE CARBON POST FILTER	ALKALINE FILTER	UV BULB

NOTES:

Service Record

DATE	1 ST STAGE SEDIMENT	2 ST STAGE CARBON GAC	3 ST STAGE CARBON BLOCK	RO MEMBRANE	5 ST STAGE CARBON POST FILTER	ALKALINE FILTER	UV BULB

NOTES:

Limited Product Warranty

SCOPE

NU Aqua Systems takes pride in selling the highest quality reverse osmosis system ("Product") on the market. As such, NU Aqua Systems expressly warrants to the original purchaser that, for a period of three (3) years from the date of purchase, the Product will be reasonably free of defects in materials and workmanship. Within that three (3) year period from the original purchase, NU Aqua Systems will, at its option, repair or replace the Product without charge, or refund the cost of the Product, if the Product fails or does not perform as warranted solely due to a manufacturing defect within the warranty period, subject to the limitations and exclusions set forth in this Limited Product Warranty. This Limited Product Warranty only applies when the Product is used, stored, handled, fabricated and/or installed in the manner recommended by NU Aqua Systems in the Installation Instruction & Owner's Manual ("Manual").

REPAIR OR REPLACEMENT

Repair or replacement during this three (3) year warranty does not include labor charges, freight charges or any other local charges from third parties other than NU Aqua Systems, unless NU Aqua Systems expressly approves such charges in writing. During the entire three (3) year warranty, NU Aqua Systems's obligation to repair or replace shall further be limited to repair or replacement with the styles, models, products, colors, etc. of the Product that are available at the time of the repair or replacement, and shall be limited to the repair or replacement of only the specific Product that fails due to a manufacturing defect. Any repaired or replaced product shall also remain subject to the original three (3) year warranty from the date of the original purchase, and any repair or replacement shall not extend the original warranty period in any manner or start a new warranty period.

CONDITIONS OF VALIDITY OF THIS LIMITED PRODUCT WARRANTY

Even though the Product has extremely high endurance for operating conditions such as pH, maximum TDS, temperature, and optimum water pressure,

THIS LIMITED PRODUCT WARRANTY SHALL ONLY BE VALID IF:

1. The replaceable filters and membrane are changed and maintained on a regular basis as directed in the Manual. Moreover, depending on local water input water quality, regular maintenance may need to be increased.

2. The Product is operated within the confines of the following feed water conditions:

- **Water Pressure: 45 - 80 PSI (No Pump Systems) and 15-45 PSI (Booster Pump Systems)**
- **PH Range: 2-11 Max. TDS: 1000 PPM Water Temperature: 40°-100° F SDI: 5**

Any information or suggestion by NU Aqua Systems with respect to the Product concerning applications, specifications or compliance with codes and standards is provided solely for your convenient reference and is made without any representation as to accuracy or suitability. You must verify and test the suitability of any information with respect to the Product for your specific application.

NON-COVERED DEFECTS

THIS LIMITED PRODUCT WARRANTY DOES NOT COVER DEFECTS CAUSED BY:

1. Improper storage, installation, maintenance, handling, use and/or alterations of the Product, including, but not limited to, noncompliance with the installation, maintenance and standard operation conditions stated in the Manual and this Limited Product Warranty.

2. Unreasonable use, unintended use, or misuse of the Product for something other than its intended purpose as a reverse osmosis system.

3. Use of replacement parts, filters, membranes or other accessories that are not sold or manufactured by NU Aqua Systems for use with this particular Product.

4. Damage not resulting from manufacturing defects that occur while the Product is in the original purchaser's possession.

5. Installation of the Product with known or visible manufacturing defects at the time of installation.

6. Damage caused by freezing, flood, fire or Act of God.

Conditions That Render This Limited Product Warranty Void

THIS LIMITED PRODUCT WARRANTY SHALL BE VOID IF:

1. The Product is not operated in compliance with normal municipal water conditions for which the particular model of this Product is intended.

2. The person seeking to invoke the warranty is not the original purchaser. That is, this Limited Product Warranty only extends to original purchasers.

3. The Product is purchased used. That is, this Limited Product Warranty only covers new products.

4. The Product is purchased from someone other than NU Aqua Systems or one of NU Aqua Systems authorized dealers. This is because, unless the Product was sold by NU Aqua Systems or one of its authorized dealers, NU Aqua Systems cannot verify or guarantee the integrity or authenticity of the Product.

GENERAL CONDITIONS

The warranties set forth herein are the only warranties made by NU Aqua Systems in connection with the product. NU Aqua Systems cannot and does not make any implied or express warranties with respect to the product, and disclaims all other warranties, including, but not limited to, any warranty of merchantability or fitness for a particular purpose. Products sold by NU Aqua Systems are sold only to the specifications specifically set forth by NU Aqua Systems in writing. Other than the limited product warranty set forth herein, NU Aqua Systems makes no other warranties, express or implied. NU Aqua Systems's sole obligation under this warranty shall be repair or replacement of a non-conforming product or parts of the product, or at the option of NU Aqua Systems, return of the product and a refund of the purchase price. Buyer assumes all risk whatsoever as to the result of the use of the product purchased, whether used singularly or in combination with any other products or substances.

No claim by the buyer/owner of any kind, including claims for indemnification, shall be greater in amount than the purchase price of the products in respect to which damages are claimed. In no event shall NU Aqua Systems be liable to buyer/owner in tort, contract or otherwise, for any special, indirect, incidental, consequential, reliance, statutory, special, punitive or exemplary damages, including, but not limited to, lost profits, loss of use, loss of time, inconvenience, damage to goodwill or reputation, or loss of data, even if advised of the possibility of such damages or such damages could have been reasonably foreseen, in connection with, arising out of, or as a result of, the sale, delivery, servicing, use or loss of use of the products sold hereunder, or for any liability of buyer to any third party with respect thereto.

In case some states do not allow the exclusion or limitation of incidental or consequential damages, you may choose to return the Product. If you choose to keep it, you insist this exclusion still applies to you.

OBTAINING WARRANTY COVERAGE OR GENERAL INQUIRIES

If coverage is available, you may obtain coverage under this Limited Product Warranty by providing NU Aqua Systems with proof of original purchase, and that you are the original purchaser. For service under this Limited Product Warranty, you must notify NU Aqua Systems by phone at 1-888-621-0460, by email at support@nuaquasystems.com. In making the claim, please provide your name, address, phone number, a description of the product involved, and an explanation of the defect.

LIMITED LIFETIME* WARRANTY

NU Aqua Systems provides a Limited Lifetime* Warranty when original purchaser enrolls in the NU Aqua Systems Filter Club Subscription service and changes the Product's filters at the recommended cadence with genuine NU Aqua System replacement filters. The lifetime warranty does not cover normal wear and tear parts such as O-Rings, fittings, tubing, filters, faucets and teflon tape.

*The term Lifetime refers to the lifetime of the Product. This does not mean the purchaser's lifetime, but rather the expected lifetime of the Product. The expected lifetime of the Product is 10 Years. However, at NU Aqua Systems discretion, we may cover warranty claims in excess of the Product expected lifetime.