

Manual

Single Whole House Water Purification System with 1" Port



Pre-Installation Guidelines for the Single Stage Whole House Water Filtration System

- Water Purification System (WPS) Connection:** Connect the Water Purification System (WPS) directly to the cold water supply pipe. Ensure a secure and proper connection to maintain the system's functionality.
- Sunlight Exposure:** Avoid placing the Water Purification System (WPS) under direct sunlight. Choose an installation area that provides shade or protection from direct sunlight to prevent potential damage.
- Avoid Damage-Prone Areas:** It is crucial to install the Whole House Filter in locations where potential leaks could cause damage. Select an installation area away from sensitive items, electrical components, or areas susceptible to water damage.
- Protection from Freezing Temperatures:** Avoid installing the system in areas where temperatures can drop below freezing. Freezing temperatures can lead to water expansion, may cause cracks or leaks. Select a location that remains protected from extreme cold.
- Water Temperature and Flow Rate:** Ensure that the water temperature ranges from a minimum of 40°F to a max of 100°F. The flow rate for the system is between 1 and 10 gallons per minute (GPM), with a working pressure of 20-80 psi. Install a water hammer arrester if necessary to address any sudden spikes in water pressure.
- Prepare for Installation:** Create a list of all plumbing fittings and tools needed to complete the installation. Consider acquiring screws or bolts to mount the WPS on the wall. We provide two screws that work for wood stud installation; for masonry and drywall installation, please use additional anchors (which you can purchase at a local Home Depot). Also consider purchasing on/off valves for easier servicing of the WPS system.
- Water Shut-Off:** Turn off the water supply while installing the Water Purification System (WPS). This ensures a safe and controlled installation process.
- Electricity to Water Heater:** Turn off the electricity to the water heater during the installation. Once the WPS is installed and pressurized, turn on a few hot and cold faucets to allow any trapped air in the pipes to escape. Afterward, turn the electricity back on for the water heater.
- Proper Application of Teflon Tape:** Use Teflon tape on threaded fittings to ensure a tight seal. Avoid using excessive layers of tape. Also for best security you can use additional sealer like MonsterBlue or other brands.
- Inlet and Outlet Markings:** Take note of the inlet and outlet markings on the system. Remember that the sediment filter (stage #1) is the first stage on the WPS, which is important for proper installation.
- Compliance with Codes:** Follow all local plumbing codes and building regulations to ensure a safe/compliant installation process.

We recommend using a licensed plumber or technician to install this product. If you decide to do a DIY installation, you can find plenty of usefull videos on YouTube or specialized home improvement channels.

Installation.

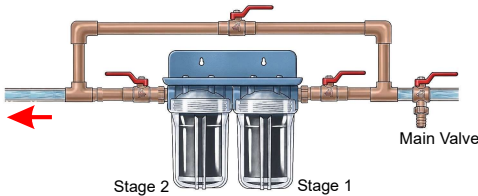
1. Mark the inlet and outlet sides of the Water Purification System (WPS)...
- If you prefer a wall-mounted installation and the water flow is in the opposite direction do not flip the WPS over. Instead, unscrew the metal bracket attached to the WPS, flip it, and reinstall.
2. Turn off the main line shut-off valve in the house.
 3. Open a few faucets in the house to drain the lines.
 4. Place the WPS on the main water supply line where it enters the house, after the main shut-off valve for the whole house but before the pipes branch off into multiple directions. You may choose to locate the WPS after the branches to the inside and outside plumbing, depending on your preference for filtered water.
 5. Measure, cut, and remove a section of the main incoming water line near the installation point of the WPS. When determining the length of the pipe to cut, account for the filter width, shut-off valves, union fitting, and bypass valve. Allow the line to drain thoroughly. Smooth the newly cut ends to avoid jagged points or edges. The WPS should be located in a dry, level area and protected from freezing.
 6. Install shut-off valves on both sides of the WPS for future easy servicing.
 7. Securely mount the WPS using the mounting bracket and bolts (or heavy-duty screws). Ensure the WPS is level. If you choose not to use a wall-mounted installation, provide extra support for the pipes where the WPS is installed.
 8. Fit together the pipe union and shut-off valve, using a small amount of plumbing tape on the threads.
- Excessive use of plumbing tape can cause cracks on the housing caps or valves.** To ensure a proper seal, wrap the threads with 5–10 layers of Teflon tape (depending on the tape's thickness and fitting size), then apply a light coat of Blue Monster Thread Sealant or another equivalent brand for added leak protection. For best results, we recommend using our 1" male × 1" male NPT nipples, which include O-rings for extra sealing performance and compatibility with all standard whole-house filter housings.
9. Simultaneously fit together the shut-off valve and WPS (IN inside). Fit the pipe union to the shut-off valve on the OUT side.
 10. Join the pipe union and pipe. Tighten all connections of the installed WPS.
 11. Turning Water Back On. Slowly turn the water back on. In a few minutes, the sound of water entering the WPS will stop. After the WPS is installed, it is necessary to thoroughly flush the system. To do this, open the nearest COLD water faucet (do not use a hot water faucet) and let the water run for a while. The water may initially appear discolored, which is normal due to carbon dust. The discoloration should dissipate within 5-12 minutes, although a small amount of residual dust may remain in the water for few days. It is not uncommon for the water.

SKU # WHS-1S-10BB

- Technical Specifications:**
- Connection: 1" FNPT
 - Flow rate: up to 10–15 GPM
 - Working pressure: 20–80 psi
 - Max pressure: 90 psi
 - Temperature: 40–100°F
 - pH range: 6–11
 - Cartridge size: Standard 10" x 4.5", Big Blue
- What's included:**
- (1) Single metal bracket
 - (1) Filter housings with 1" ports (brass inserts, pressure release, 10" x 4.5")
 - (1) Housing wrench
 - Mounting screws (not included)
 - (1) Sediment filter (enclosed)
 - Manual



Sample Installation with bypass line (recommended, the same apply for single or dual stage systems)



Filter Change Instruction

We recommend replacing the filters every 6–12 months. In cases with high levels of sediment or contaminants, this interval may be reduced to 3–6 months, especially for sediment filter cartrdige (Stage #1)

1. Turn off the water supply to the WPS from the inside. Open a nearby faucet to lower the water pressure (wait for a couple of minutes).
 2. Press the Red Button (Pressure Release Button). This step makes it easier to unscrew the housing by releasing internal pressure.
 3. Unscrew the housing from the cap using a filter wrench.
 4. Remove and discard the old filter cartridges.
 5. Scrub the housing and cap with warm water using a sponge. Rinse all parts thoroughly with water.
 6. Inspect both the inside and outside of the housing for any signs of damage. If needed, lubricate the O-ring with clean silicone grease. Avoid using petroleum jelly. Ensure that the O-ring is properly seated inside the housing.
 7. Remove the filter packaging and insert the new filter cartridges into the housing in the specified order as written on the filter housing.
 8. Fit the bottom of the housing into the cap and hand tighten it. Then, use the filter wrench to securely tighten it.
 9. Close any open faucets and slowly turn on the water supply.
 10. Open the valves on the inside and outside. Carefully inspect for any leaks. If you find a leak, you will need to shut off the water again, remove the housing, and check if the O-ring is seated properly.
 11. Flush the WPS by running a few cold water faucets for a couple of minutes. The new cartridges may contain some carbon dust and air bubbles, which will dissipate in a few days. We recommend checking the WPS for any signs of leaks within the next 12 hours.
- Tip: If you encounter difficulty unscrewing the housing, use an extension (like a pipe) to gain more leverage on the wrench. Be careful not to apply excessive force, as it may cause the housing to crack.

Troubleshooting Guide

Problem: Leak between filter head and housing (sump). Possible Causes:
-O-ring is missing, damaged, or out of position
-O-ring or groove is dirtyHousing not tightened properly
-Overtightening causing O-ring deformation
Solution: Remove housing and inspect O-ring, Clean O-ring and groove; apply food-grade silicone grease. Reinstall O-ring correctly in groove. Hand-tighten, then slightly tighten with wrench (do NOT over-tighten)

Problem: Leak from inlet / outlet connections. Possible Causes:
-Insufficient Teflon tape
-Cross-threaded fittings
-Loose connections
-Over-tightened fittings causing cracks
Solution: Re-wrap threads with 8–15 turns of Teflon tape (clockwise). Reinstall fittings carefully (avoid cross-threading). Tighten snugly (do not overtighten). Inspect fittings for cracks and replace if needed

Problem: Leak from pressure relief (red) button. Possible Causes:
-Internal screw is loose
-Overtightened screw preventing proper sealing
Solution: Turn off water and release pressure. Remove housing. Access the pressure relief screw from the inside of the cap. Slightly tighten the internal screw (clockwise). If button does not function, loosen slightly. Ensure button operates freely after adjustment.

Problem: Low water pressure throughout the house. Possible Causes:
-Clogged sediment or carbon filter
-High sediment load in water
-Filter not replaced on time
-Incorrect filter micron rating (too fine)
Solution: Replace filter cartridges. Use appropriate micron rating (e.g., 5–25 micron for whole house). Check inlet pressure (recommended 40–65 psi). Install pressure gauge if needed

Problem: Water appears black or gray. Possible Causes:
- Carbon dust from new filter.
Solution:Flush system for 10–15 minutes after installation. Run water until clear. Slight discoloration may persist for a few days (normal).

Problem: Water appears cloudy (milky). Possible Causes:
-Air bubbles trapped in water
Solution: Let water sit in a glass for 1–2 minutes. If bubbles disappear from bottom up → normal air release. Continue normal use; will clear within a few days

Problem: System makes noise / vibration. Possible Causes:
-Air trapped in system
-High flow rate or pressure spikes (water hammer)
Solution: Flush system thoroughlyInstall water hammer arrestor if needed. Ensure system is securely mounted

Problem: Housing difficult to open. Possible Causes:
-High internal pressure
-O-ring dry or stuck
Solution: Turn off water supply. Open faucet to release pressure. Press pressure relief button. Use housing wrench.

Problem: Persistent leak after installation. Possible Causes:
- Incorrect installation
- Cracked housing or fittings
- Excessive water pressure (>80–90 psi)
Solution: Recheck all connections. Inspect housing for cracks. Install pressure regulator if pressure exceeds limits. Ensure system installed in correct flow direction (IN/OUT).

Problem: Filters clog too quickly. Possible Causes:
- High sediment or dirty source water
Solution: Replace filters more frequently (every 3–4 months if needed) Consider adding pre-sediment stage (spin-down), or replace stahdard sediment cartridge with multi-use pleated sediment filter.

Problem: Low pressure immediately after installation. Possible Causes:
-Protective plastic wrap not removed from cartridge
-Carbon block temporarily restricting flow
-Air trapped in system
Solution: Verify all packaging removed from filters. Flush system for 10–15 minutes. Avoid high-flow usage (showers, tubs) for first 24–72 hours. Allow system to stabilize.

Parts & Replacement Filter Sets

You can purchase replacement filter sets on Amazon.com or the MyWaterClub website. Simply enter the ASIN number or perform a search on Amazon to find them. Alternatively, you can contact us, and we will provide you with the correct link.

OR SCAN ME:

SKUs for parts:	Description:
HOUSING10BB	Housing 10"x4.5", Big Blue 10"
FT-UN-1W-R	Nipple (between housing, union), 1"
WR-10BB	Wrench
GASKET10BB	Gasket / oring
BR-2-10BB	Metal bracket

SKUs for Filters:	Description:
SED5-10BB	10" x 4.5" Sediment Water Filter, 5 Micron
SED5-PLT-10BB	10" x 4.5" Pleated Sediment Filter, 5 Micron, Reusable
CTO-10BB	10" x 4.5" Carbon Block CTO Water Filter, 10 Micron
CACB-10BB	Premium 10" x 4.5" Coconut Carbon Block Filter
SC-10BB	Set including SED5-10BB and CTO-10BB cartridges



ONE YEAR LIMITED WARRANTY

Limited WarrantyMyWaterClub Inc. warrants this Whole House Water Filtration System to be free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of original purchase.
What is Covered. This limited warranty covers:
- Defects in materials
- Defects in workmanship under normal residential use
What is Not Covered. This warranty does not cover:
- Replaceable filter cartridges
- Damage caused by improper installation or maintenance
- Damage due to freezing, excessive pressure, or water hammer
- Misuse, abuse, alteration, or modification of the system
- Damage caused by failure to follow installation instructions
- Use outside of recommended operating conditions
Warranty Conditions. The system must be installed and operated in accordance with the instructions provided in this manual. Proof of original purchase is required for all warranty claims. Warranty applies only to the original purchaser and is non-transferable. Limitation of Liability: MyWaterClub Inc.'s obligation under this warranty is limited, at its sole discretion, to the repair or replacement of the defective product or part. MyWaterClub Inc. shall not be liable for: any water damage Incidental or consequential damages, labor, installation, or removal costs
Disclaimer: This limited warranty is the sole and exclusive warranty provided. No other warranties, express or implied, including warranties of merchant ability or fitness for a particular purpose, are included except as required by law.