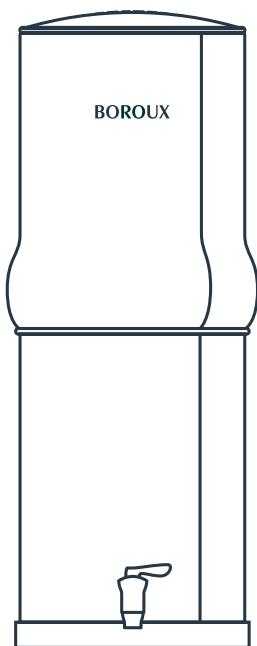


BOROUXTM

Owner's Manual

BOROUX legacy.
SKU # BX-L-SYS-3
Countertop Water Filtration System



Please keep this manual for future reference.

Boroux

1981 Aspen Circle

Pueblo, CO 81006

www.boroux.com

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Safety information

Read, understand, and follow all safety information contained in these instructions prior to installation and use of this system. Save these instructions for future reference.

Intended use

The Boroux legacy system is intended to be used with Boroux foundation filters for filtration of water from a municipal water source. Boroux foundation filters have been tested extensively. Substance reduction test results are available online at boroux.com. Neither the filters nor the system have, at the time of publication of this document, been certified to NSF/ANSI standards. The results detailed in the above referenced report are intended solely for informational purposes and do not infer certification to any standard.

The Boroux legacy system does not reduce all substances that could be present in your water. Before setting up the system, verify this system meets your water treatment needs by checking your incoming water source quality, and comparing it to the system's filtration capabilities stated in the above referenced substance reduction test report.

To ensure satisfactory results, the system must be set up and maintained as specified in the setup and maintenance instructions of this manual.

Conventions used in this manual

 WARNING:	Indicates a hazardous situation which, if not avoided, could result in serious injury or death.
NOTICE:	Indicates a situation which, if not avoided, could result in product or property damage.

WARNING:

Read entire product manual. Failure to follow all product instructions and warnings could cause personal injury from exposure to contaminants and/or property damage due to system leakage.

- Do not use with water that is microbiologically unsafe or of unknown quality. This water filtration system is intended to be used with Boroux foundation filters for filtration of water from a municipal water source. This system does not remove all substances that could be present in drinking water. Substance reduction test results are available online at boroux.com. Verify this system meets your water treatment needs by checking your incoming water source quality and comparing it to the system's substance reduction capabilities. Check water source quality by contacting your local water authority and/or having water tested by a qualified laboratory. Check water quality regularly as it can change. After installation, test outgoing filtered water quality regularly to ensure your system is installed correctly and meeting your treatment needs, especially if your incoming water or plumbing system has high contaminant levels. Actual performance varies depending on your local water and plumbing conditions and water consumption patterns.
- Do not use this product if the filter has been hit, dropped or otherwise damaged.
- Before use, flush filters with cold tap water as described in this manual.
- Replace filters no later than every 12 months. More frequent replacement may be required depending on the incoming water quality. Replace more frequently if a noticeable reduction in flow rate, a change in taste, or odor occurs.
- To reduce the risk associated with choking, do not allow children to access small parts or product packaging.

NOTICE:

Read entire product manual. Failure to follow all product instructions may lead to degraded product performance and/or leaking.

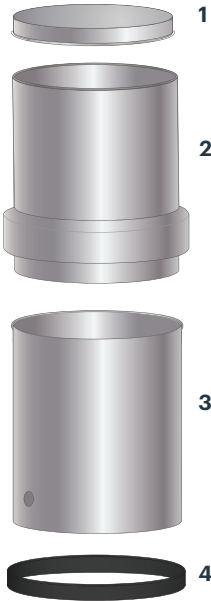
- System installation and use must comply with all state and local regulations.
- Your system should be located away from any heat sources and out of direct sunlight, in an area where temperature is maintained between 40 and 100 degrees F.
- Use only with cold tap water.
- Do not use to filter salt water.
- Do not use to filter water that has passed through a softener.
- Protect from freezing. Exposure to freezing temperatures will damage the filter.
- Failure to follow instructions will void warranty.

Product specifications

Flow Rate	approximately one gallon per hour per filter
Temperature	40 to 100 degrees F
Pressure	gravity feed only
Capacity	6000 gallons per pair (chlorine)

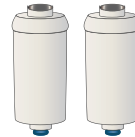
BOROUX legacy. system

Your system ships with the following parts and accessories. Verify all are included in your shipment.



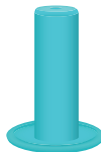
What's in the box?

1. Lid
2. Upper chamber
3. Lower chamber
4. Silicone base ring
5. Hole plugs
6. Stainless steel spigot



Note: Fluoride filters are sold separately.

BOROUX foundation. filters



What's in the box?

1. Boroux filters
2. Blue priming tool
3. Tan priming tool
4. Red food dye vial

BOROUX legacy. system setup

Setting up your system includes the following steps:

- Wash the upper and lower chambers.
- Assemble your system.
- Prime the filters.
- Install the filters.
- Perform a red dye test.
- Prime the fluoride filters (if purchased).
- Install the fluoride filters (if purchased).
- Prepare for use.

Wash the upper and lower chambers

- 1 Wash the lid, upper and lower chambers, spigot, and hole plugs with warm water and dish soap.

Caution: Never wash the filters with soap.
Rinse them with cold tap water if desired.

- 2 Rinse all items thoroughly. Be sure to place the upper and lower chambers on their flat bases so they do not roll off the counter.

Assemble the system

Install hole plugs

- 1 Unscrew the washers and wingnut from each hole plug.
- 2 Place a washer on the inside and outside of a hole in the upper chamber. Thread the plug through the hole.
- 3 Screw the wingnut into the base of the plug. Hand tighten until secure.
- 4 Repeat with the second plug and install the plug in a hole diagonal from the first to evenly distribute the weight of the filters once they are installed.

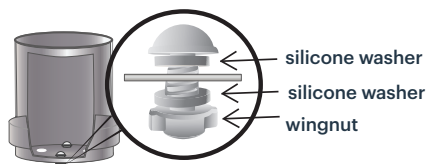


Figure 1

Attach base ring

Attach the silicone base ring to the lower chamber. The silicone base ring prevents slipping and keeps the system stable on surfaces.

Attach spigot

1 Remove the wingnut, the two stainless steel washers, and the two silicone washers from the spigot body.

2 Thread one stainless steel washer onto the spigot, positioning it so that the beveled edge faces away from the lower chamber, as shown in Figure 3.

3 Thread a silicone washer onto the spigot.

4 Insert the spigot through the hole in the lower chamber.

5 Thread the remaining silicone and stainless steel washers onto the spigot inside the lower chamber, positioning it so that the beveled side of the metal washer faces away from the hole, as shown.

6 Thread the wingnut onto the spigot, securing it in place.

7 After tightening the wingnut, make sure the outside metal washer is not pinching the silicone base ring.

8 Move the spigot handle to the closed position, as shown in Figure 4.



Figure 2

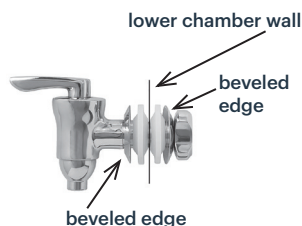


Figure 3

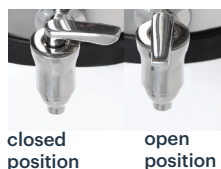


Figure 4

Prime the filters

Complete the following steps to prime the filters before first use.

- 1 Remove the wingnut and washer from each filter.
- 2 Attach the blue priming tool to the faucet, making sure you pull the primer up as far as possible to create a good seal with the water spout (Figure 5).
- 3 Adjust the water flow so that a 12-ounce cup fills within 45 to 60 seconds (Figure 6).

Important: Use only cold water.

- 4 While the water is flowing, gently push the stem of the filter into the primer (Figure 7).
- 5 If the primer inflates as shown in Figure 8, readjust the water flow so that a 12-ounce cup fills within 45 to 60 seconds.
- 6 After one to two minutes, water will be visible on the filter surface. Continue to prime for one to two more minutes after water beads on the entire filter surface (Figure 9).
- 7 Keep water flow running. Remove the filter from the primer. Set the filter aside on a clean surface.
- 8 Repeat steps 4 through 7 for each filter.

Note: If you're having trouble using the primer with your faucet, try using the tan priming tool instead. For instructions, scan the QR code below. To find the tan priming tool instructions, scroll down past the filter priming and assembly instructions to the FAQ section.



Figure 5



Figure 6



Figure 7



Figure 8



Figure 9

Install the filters

Complete the following steps to install the filters into the upper chamber.

- 1 Thread a rubber washer onto the stem of each filter (Figure 10).
- 2 Insert the stem of the filter into an empty hole on the inside of the upper chamber. Repeat for each filter (Figure 11).
- 3 On the outside of the chamber, thread the wingnut onto the filter stem and hand tighten until secure (Figure 12).

Important: Do not over-tighten.

Important: To ensure proper water filtration, all filters must have a washer attached between the base and the filter. Also all hole plugs must have a washer on both the inside and outside of the upper chamber (Figure 13).

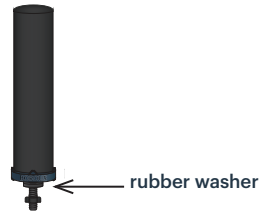


Figure 10

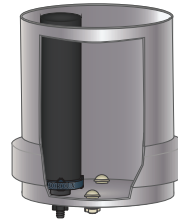


Figure 11

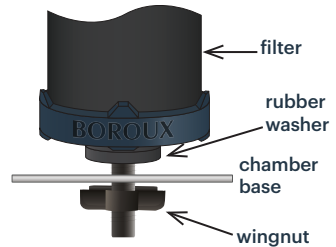


Figure 12

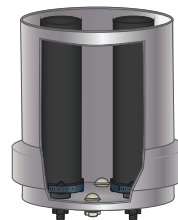


Figure 13

Perform a red dye test

Performing a red dye test ensures that your system is set up properly. The test will take up to 30 minutes to complete.

Important: If you installed fluoride filters, remove them before beginning a dye test. Set them aside on a clean surface. The lower chamber should also be set aside on a clean surface.

To start a red dye test:

- 1 Fill the upper chamber with a few inches of water and check that the water does not leak from any hole plug. Once you've verified there are no leaks, pour the water out.
- 2 Place a sturdy, equal-sized clear glass under each filter stem. A pint-sized (16-ounce) canning jar is ideal (Figure 14).

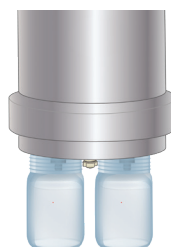


Figure 14

- 3 In a separate container, add a 1/8 teaspoon of red dye per gallon of water. Mix thoroughly.

Note: The vial of red food dye that shipped with your system contains a teaspoon of dye. Your system will require about three gallons of pre-mixed dye solution to test.



Figure 15

- 4 Pour the dye solution into the upper chamber until the filters are completely submerged (Figure 16).

Caution: Never pour red dye directly onto the filters or directly into the upper chamber. Always pre-mix the dye with water in a separate container before pouring.

- 5 Allow the water to filter from the upper chamber into the glasses below. When the glasses are 3/4 full, dump the remaining water out of the upper chamber.

Note: Glasses may fill at different rates.



Figure 16

- 6 Examine the water in each glass. It should be clear without any pink or red tint. If the water is not clear, make sure the washer on that filter is in the correct location (between the filter and the chamber base) and that the wingnut is securely tightened.

Note: If a filter fails after a second dye test, email customer support at contact@boroux.com.



Figure 17

Prime the fluoride filters

If you did not order fluoride filters, skip this section.

To prime the fluoride filters:

- 1 Remove the blue plug from each filter. Screw the fluoride filter priming adapter onto the threaded end of each filter (Figure 18). Hand tighten only.
- 2 Attach the blue priming tool to the faucet, making sure you pull the primer up as far as possible to create a good seal with the water spout (Figure 19).
- 3 Adjust the water flow so that a 12-ounce cup fills within 45 to 60 seconds (Figure 20).

Important: Use only cold water.

- 4 While the water is flowing, gently push the stem of the fluoride filter into the primer (Figure 21).
- 5 If the primer inflates as shown in Figure 22, readjust the water flow so that a 12-ounce cup fills within 45 to 60 seconds.
- 6 After water begins to flow out of the filter, continue to prime for one minute (Figure 23).
- 7 Remove the filter from the primer, cover both ends and shake vigorously for one minute (Figure 24).
- 8 While letting the water flow at the previous rate, reattach the filter to the primer.
- 9 Repeat the one-minute priming and one-minute shaking two more times, repeating steps 6 through 8.
- 10 Unscrew the filter adapter from the stem and set the filter aside on a clean surface. Repeat all steps for the second fluoride filter.



Figure 18



Figure 19



Figure 20



Figure 21



Figure 22

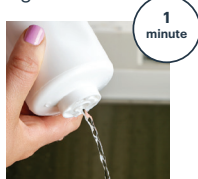


Figure 23



Figure 24

Install the fluoride filters

If you did not order fluoride filters, skip this section.

To install the fluoride filters:

- 1 Pour out any water that remains in the upper chamber.
- 2 Place the upper chamber upside down on a clean surface so that the Boroux filters face upwards.

Important: Make sure you primed the fluoride filters (see page 14) and removed the blue plugs from the filter stems.

- 3 With the water flow arrows pointing away from the upper chamber, screw a fluoride filter onto the stem of each Boroux filter until the fluoride filter contacts the wingnut.
- 4 Replace the upper chamber onto the lower chamber so that the fluoride filters are now hanging down inside the lower chamber.

Prepare for use

- 1 Place the upper chamber onto the lower chamber.
- 2 Make sure the spigot is in the closed position, with the spigot handle turned to a 90-degree angle from the spigot base.
- 3 Completely fill the upper chamber with cold or room temperature water and cover with the lid.
- 4 Allow all the water to filter into the lower chamber. A small amount of water may remain in the upper chamber.
- 5 Discard this first batch of water.
- 6 Refill the upper chamber again and allow the water to filter to the lower chamber. Your system is now ready to enjoy!



Figure 25

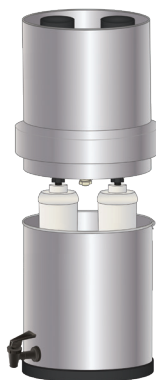


Figure 26



Figure 27

BOROUX legacy. system usage guidelines

Placement of your system: Locate your system away from any heat sources and out of direct sunlight, in an area where the temperature is maintained between 40 and 100 degrees F.

Refilling your system: Always empty the lower chamber before refilling the upper chamber. Note that a small amount of water (below the level of the spigot) will remain in the lower chamber. This small amount of water does not need to be emptied prior to refilling the upper chamber. Following this guideline prevents overfilling the lower chamber, and a resulting water spill out of the chamber.

Leaving your system unused: For best results, refill your system every one to three days. If your system will not be used for more than three days, empty both the upper and lower chambers, remove the foundation filters, and allow all components to dry completely. When dry, the foundation filters can be stored in their original packaging. Re-priming will be required prior to using. Fluoride filters should be stored according to manufacturer's instructions.

Municipal water source: Your Boroux system is intended to reduce substances found in domestic tap water. It is not intended for use with softened water or salt water. Do not use with water that is microbiologically unsafe or of unknown quality.

Regular maintenance: Monthly cleaning is recommended. Refer to the system maintenance section below.

System maintenance

For optimal performance, both the system and the filters should be cleaned regularly. Systems should be cleaned monthly. Filters should be cleaned every three to six months, or whenever water filtration noticeably slows.

Note: Prevent chambers and filters from rolling onto the floor by placing the parts on a large, clean towel on a flat counter surface.

Before beginning

Complete the following steps before disassembling your system:

- 1 Wash hands.
- 2 Empty water from both the upper and lower chamber.
- 3 If you have fluoride filters, remove them by placing the upper chamber upside down on a clean, flat surface, then unscrew the filters. Set them aside in a secure location.
- 4 Remove the filters from the upper chamber. To avoid breaking the filter stems, do not place the upper chamber on its side with the filters attached.

Clean the filters

To clean the filters:

- 1 Hold each element under the faucet with the stem pointing up.
- 2 Using a scrubbing pad (Scotch-Brite or similar), scrub the surface of the element for several minutes, removing the outermost layer of the filter and exposing a new layer of micro-pores.
- 3 Rinse the filter with cold tap water, being careful to block the stem inlet so that contaminated rinse water does not enter the filter.

Caution: Never wash the filters with soap.

- 4 Re-prime the filter (see page 10).
- 5 Repeat steps 1 through 4 for each filter.

Clean the chambers

To clean the upper and lower chambers:

- 1 Thoroughly wash each chamber and the spigot with tap water and dish soap.
- 2 Examine the inside of each chamber and the spigot. Look for any discoloration from mineral deposits. Discoloration is most often found near the spigot in the lower chamber.
- 3 If discoloration is visible, clean the affected area with a 50/50 mix of white vinegar and water. Heavy deposits might require soaking.

Caution: Never soak the filters in the cleaning solution.

- 4 The upper chamber has three ventilation channels in the base of the chamber (see Figure 28 below). Make sure these ventilation channels are clean and unobstructed. They must be open in order to prevent air locks in the lower chamber, which would cause slow filtration or slow flow out of the lower chamber.
- 5 Reassemble your system. Refer to "Assemble the system" on page 8 and "Install the filters" on page 11.

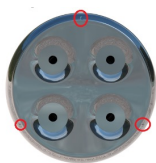


Figure 28



ventilation channels

Filter replacement

We recommend you replace your filters every 12 months. Actual performance varies depending on your local water and plumbing conditions and water usage patterns.

To replace the filters:

- 1 Empty upper and lower chambers.
- 2 Place chambers on a large, clean towel on top of a flat surface so that chambers do not roll off and become damaged.
- 3 Remove and dispose of the old filters.
- 4 Clean system as described in "System maintenance" on page 16.
- 5 Verify the spigot handle is in the closed position, with the spigot handle turned to a 90-degree angle from the spigot base.
- 6 Refer to "BOROUX legacy. system setup" on page 8 for filter priming, installation and red dye test instructions.

Troubleshooting

Red tint in water during red dye test

- Before retesting any filter, fully rinse the filter and re-prime (see page 10). Be sure to fully rinse the lower chamber and empty any cups that were used to collect filtered water.
- Make sure the proper amount of red dye (1/8 teaspoon per gallon of cold tap water) was used during the red dye test.
- Only artificial liquid red food dye can be used for this test. Other dyes may contain minerals and natural colors that may give a false failure indication.
- Check the hole plugs to make sure the washers are correctly installed and the hole plugs are tight (see Figure 1 on page 8).
- Ensure the washer is properly located underneath the filter and inside the upper chamber, and the wingnut is firmly tightened (see Figure 12 on page 11).
- If your filter continues to indicate red dye after filtration, email customer support at contact@boroux.com for support.

Slow flow

- **Initially upon setup:** Typically slow flow upon setup is caused by incomplete priming. Re-prime the filter, continuing to prime until water is coming out of all surfaces of the filter. Slow water flow out of the tap and into the filter takes a little longer but makes the task much easier.
- **After a period of use:** As contaminants are reduced in your water supply, the pores of the filter become clogged. In this case, flow may be improved by scrubbing the surface of the filter. See “Clean the filters” on page 17.
- **Air lock problems:** The upper chamber has three ventilation channels in the base of the chamber which must be clean and unobstructed to prevent air locks in the lower chamber. See “System maintenance” and “Figure 28” on page 17 for details.

System leaks where spigot attaches to lower chamber

- Make sure the washers are correctly installed. The beveled edges must face away from the hole in the lower chamber (see Figure 3 on page 9).
- Tighten the wingnut inside the lower chamber.

Spigot leaks at spigot outlet

- Turn the spigot handle from full-closed to full-open several times, then recheck for leaks.

Water overflows from top of lower chamber

- The system was overfilled. Always empty the lower chamber before refilling the upper chamber.

Warranty

Product Selection and Use

Numerous factors can influence the suitability and performance of a Boroux water filtration product for a specific application, including local water conditions and customer usage patterns. The customer bears the sole responsibility for determining whether a Boroux water filtration product aligns with their particular application requirements. This includes conducting tests on the incoming water quality and comparing it to the product's capabilities, as detailed in the Substance Reduction test data available at boroux.com. Neglecting to thoroughly assess, select, use, or maintain a Boroux water filtration product, or failure to adhere to applicable regulations or instructions, may lead to personal injury from exposure to contaminants and/or property damage arising from water leakage or flooding.

Limited Warranty, Limited Remedy, and Disclaimer

Boroux warrants that this product will be devoid of defects in material and manufacture for a period of one (1) year from the date of purchase. While the service life of any filter is contingent upon local water conditions and water consumption, Boroux warrants the filter's life for one year from the date of initial purchase. Testing may be required, and the customer will be responsible for return shipping. Except as mandated by law, BOROUX MAKES NO OTHER WARRANTIES OR CONDITIONS, WHETHER EXPRESS OR IMPLIED. This includes, but is not limited to, any implied warranty or condition of merchantability or fitness for a particular purpose or any implied warranty or condition arising out of a course of dealing, custom, or usage of trade. This warranty excludes failures resulting from misuse, alterations, failure to follow instructions, or damage not caused by Boroux. Labor is not covered by this warranty. If the Boroux product fails to conform to this warranty, the sole and exclusive remedy, at Boroux's discretion, is the replacement of the Boroux product or a refund of the purchase price. This warranty grants specific legal rights, and the customer may have other rights that vary from state to state or country to country. For warranty inquiries or service, please visit boroux.com. A proof of purchase must accompany a warranty claim.

Limitation of Liability

Apart from the limited remedy stated above, and except to the extent prohibited by law, Boroux will not be liable for any loss or damage arising from or related to the Boroux product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity). This applies regardless of the legal or equitable theory asserted including, but not limited to, warranty, contract, negligence, or strict liability.

