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› A. O. Smith AO-US-200 2-Stage Under Sink Water Filter System Instruction Manual

## A. O. Smith AO-US-200

# A. O. Smith AO-US-200 2-Stage Under Sink Water Filter System

Instruction Manual

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your A. O. Smith AO-US-200 2-Stage Under Sink Water Filter System. Please read all instructions carefully before beginning installation or use to ensure proper function and safety. This system is designed to provide clean, filtered drinking water directly from a dedicated faucet.

## IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when installing or maintaining this product to reduce the risk of fire, electric shock, or injury to persons. Keep this manual for future reference.

- Turn off the main water supply before installation.
- Do not install the system where it will be exposed to freezing temperatures.
- Ensure all connections are secure to prevent leaks.
- Use only genuine A. O. Smith replacement filters.

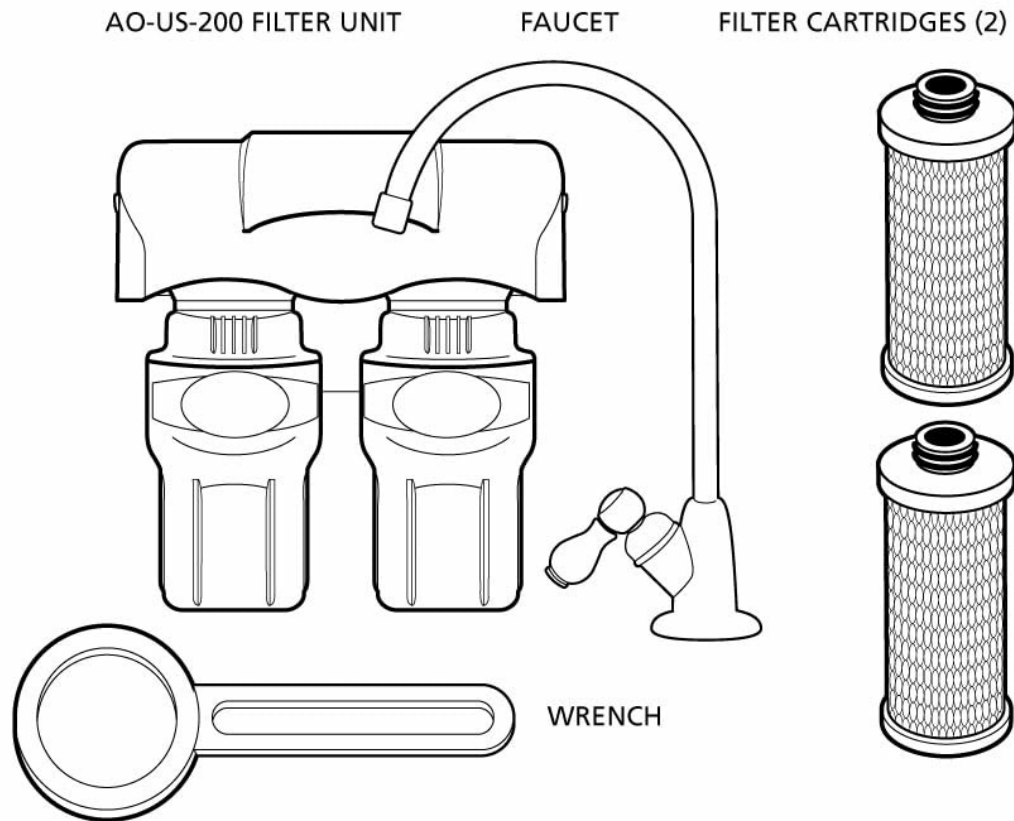
## WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- AO-US-200 Filter Unit
- Faucet
- Filter Cartridge Set (2 cartridges)
- Wrench

- Tubing
- 1/4" Brass Tee
- Mounting Screws with Anchors
- Faucet Installation Hardware (spacers, nuts, washers)

# WHAT'S IN THE BOX



Includes all parts necessary for installation.

Figure 1: Included Components of the AO-US-200 System

## SPECIFICATIONS

Feature	Detail
Model Number	AO-US-200
Filtration Stages	2-Stage Claryum Filtration
Filter Life	6 months / 500 Gallons
Contaminant Reduction	Reduces up to 99% of 78 contaminants including Lead, PFAS, Chlorine, Mercury, Asbestos, Pharmaceuticals, Chloramine
Certifications	NSF/ANSI Standards 42, 53, and 401 (WQA Tested & Certified)
Flow Rate	0.5 gallons per minute
Material	Carbon Block
Dimensions (Approx.)	Height: 9 in (22.9 cm), Width: 8.25 in (21 cm), Depth: 4.25 in (10.2 cm)

# DIMENSIONS

## 2-STAGE WATER FILTER

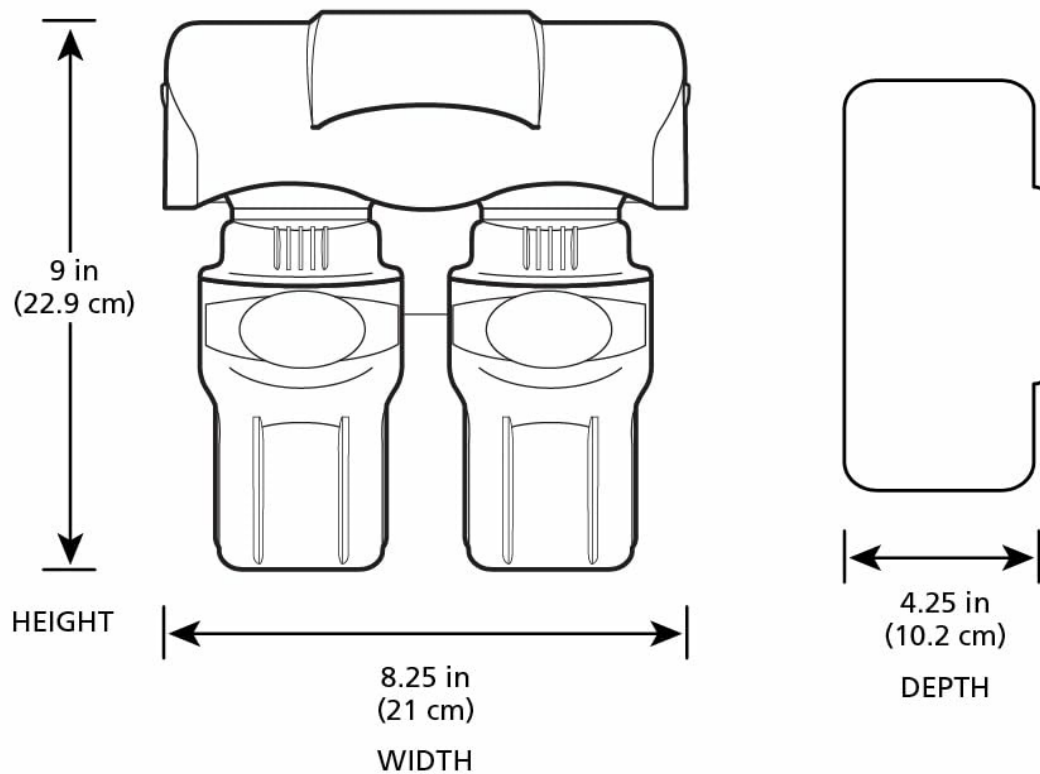


Figure 2: System Dimensions

## SETUP & INSTALLATION

### 1. Pre-Installation Checklist

- **Tools Required:** Adjustable wrench, measuring tape, pencil, Phillips head screwdriver, hammer, variable speed drill with 7/32" bit, level.
- **Location:** Select a space under your sink that is at least 12 inches from the bottom of your cabinet and allows for easy access to a cold water supply line.
- **Faucet Placement:** The dedicated faucet may be mounted on the sink using an existing hole (e.g., for a sprayer nozzle or soap dispenser) or by drilling a new hole no more than 1/2 inch in diameter. Ensure the faucet's spout extends slightly past the edge of the sink. *Note: We recommend using an approved or certified professional if drilling is required.*

### 2. Connecting to Cold Water Supply

1. Turn off the cold water supply to your sink.
2. Disconnect the cold water supply line from the shut-off valve.
3. Attach the threaded end of the 1/4" brass tee to the cold water shut-off valve.
4. Connect the cold water supply line to the top of the brass tee.
5. Tighten all connections using an adjustable wrench.

### 3. Faucet Installation

1. Insert the faucet stem through the chosen hole in your sink.
2. From underneath the sink, slide the faucet rubber washer, faucet washer, and faucet spacer onto the faucet stem.
3. Secure the faucet with the faucet nut, tightening it with a wrench to ensure it is secure to the sink.

### 4. Mounting the Filter Unit

1. Temporarily position the filter unit under the sink in your chosen location.
2. Mark the mounting holes with a pencil.
3. Drill pilot holes at the marked locations. If mounting into drywall, insert the provided drywall anchors.
4. Mount the unit to the wall using the provided screws.

## Do-It-Yourself Installation

Select a space under your sink for the filter that is at least 12" from the bottom of your cabinet and allows for easy access to a cold water supply line.

Faucet may be mounted on sink using an existing hole for a sprayer nozzle or soap dispenser, or by drilling a hole no more than 1/2" in diameter. Be sure location of faucet allows spout to extend slightly past the edge of the sink.

*Note: We recommend using an approved or certified professional if drilling is required.*

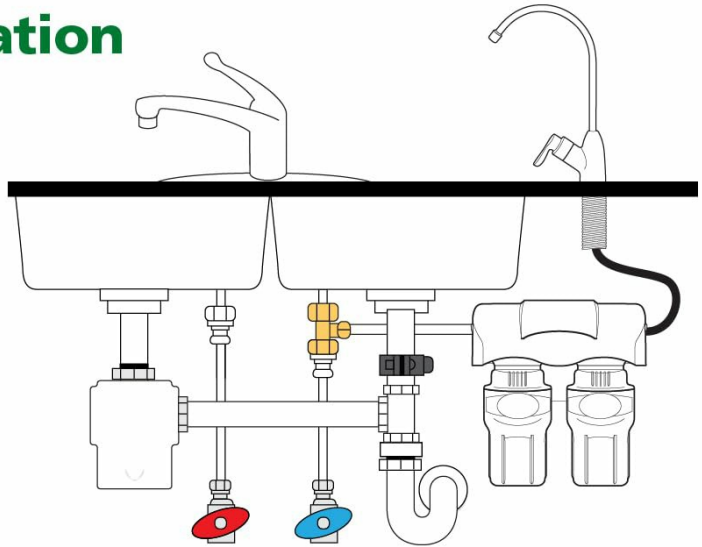


Figure 3: Do-It-Yourself Installation Overview

AO-US-200

**ACSmith. UNDER SINK WATER FILTER WITH CHROME FAUCET**

- Advanced filtration strength
- 4+ people household size (1-4)
- WQA certified to NSF/ANSI standards 42, 53, and 401
- 6 month filter life (500 gal)

Certified by The Water Quality Association as of 2024.

Figure 4: Under-Counter Installation Example

### 5. Connecting Tubing

1. Connect one end of the provided tubing to the open port on the brass tee. Ensure the plastic tube insert and brass nut are correctly installed for a secure, leak-free connection.
2. Insert the other end of this tubing completely into the 'IN' port of the filter unit.
3. Connect another piece of tubing to the faucet stem. Ensure the chrome nut and plastic collar are correctly installed.
4. Insert the other end of this tubing completely into the 'OUT' port of the filter unit.

### 6. Initial System Flush

1. Slowly turn on the cold water supply.
2. Open the dedicated filtered water faucet and allow water to run for 10 minutes to flush the system. This removes air and carbon fines.
3. Check all connections for leaks. Tighten if necessary.

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Video 1: Official A. O. Smith AO-US-200 Installation Guide. This video provides a visual walkthrough of the installation process

## OPERATING YOUR SYSTEM

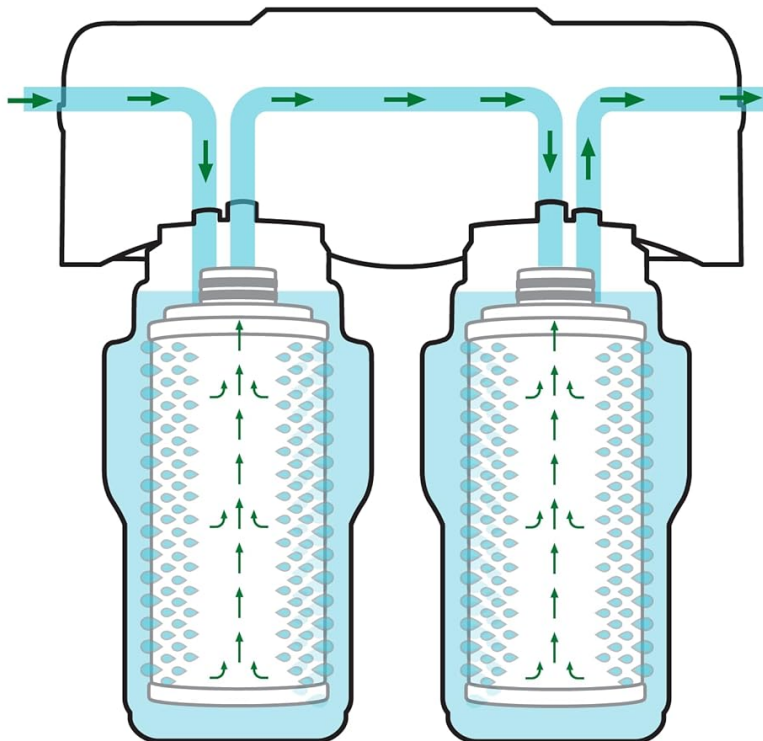
Once installed and flushed, your A. O. Smith AO-US-200 system is ready for use. Simply open the dedicated filtered water faucet to dispense clean, filtered water. The system filters water at a rate of 0.5 gallons per minute, suitable for families of 1 to 4 people.

## MAINTENANCE: FILTER REPLACEMENT

For optimal performance, replace your filter cartridges every 6 months or after 500 gallons of use, whichever comes first. The system is designed for easy, tool-free filter replacement.

### Filtration Technology

# HOW IT WORKS



Claryum®

Claryum® filtration -  
engineered to provide  
you with clean water.

Reduces 78  
contaminants including  
chlorine, heavy metals,  
pesticides, herbicides,  
and more.



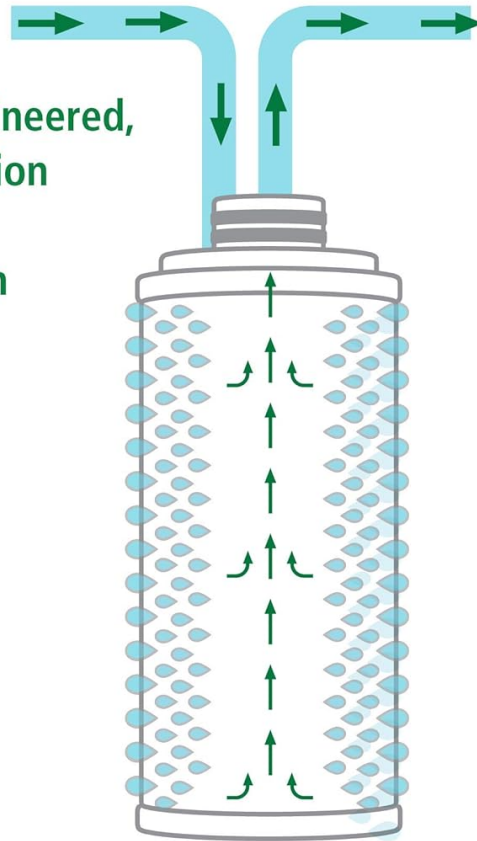
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Figure 5: How the 2-Stage Claryum Filtration Works

# CLARYUM® FILTRATION TECHNOLOGY

Obsessively engineered, combined filtration technologies to provide you with clean water.



**Activated Carbon**  
Reduces pharmaceuticals, herbicides, pesticides, VOCs and MTBE.

**Catalytic Carbon**  
Targets chlorine and chloramines.

**Ion-exchange**  
Filters heavy metals like lead and mercury.

**Absolute Sub-Micron Mechanical Filtration**  
Captures asbestos and chlorine resistant cysts like cryptosporidium and giardia.

Figure 6: Claryum Filtration Technology Details

## Filter Replacement Steps

1. Turn off the cold water supply to the system.
2. Open the filtered water faucet to relieve pressure and drain any remaining water.
3. Twist the old filter cartridges counter-clockwise to remove them from the unit housing.
4. Discard the old filters.
5. Insert new filter cartridges into the unit housing, aligning the connection points.
6. Push the new filters up and twist clockwise until they are securely locked into place.
7. Slowly turn on the cold water supply.
8. Open the filtered water faucet and allow water to run for 10 minutes to flush the new filters.
9. Check for any leaks.

## PRO TIPS



**DO NOT** over-tighten sumps. Hand tighten only.



**Tools recommended:** Adjustable wrench, measuring tape, bucket, Philips head screwdriver, hammer, speed drill



Insert tubing all the way (0.95") to prevent leaking. Wet ends of tubing for easy install to inlets and outlets.



This system **will not reduce** total dissolved solids (TDS).

Figure 7: Pro Tips for Installation and Filter Replacement

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Leaks at connections	Loose fittings, missing O-rings, improper tubing insertion.	Ensure all nuts are tightened, check for properly seated O-rings, re-insert tubing fully into quick-connect fittings. Using plumber's tape on threaded connections can help.
Low water flow from faucet	Clogged filters, kinked tubing, low incoming water pressure.	Replace filters if they are past their service life. Check tubing for kinks. Verify adequate household water pressure.
Unpleasant taste/odor	Filters are exhausted, initial carbon fines not fully flushed.	Replace filters. Flush the system for an extended period (e.g., 15-20 minutes) after filter replacement.
Filter change indicator not working	Battery needs replacement.	Replace the battery in the filter unit's indicator.

## WARRANTY INFORMATION

A. O. Smith provides a limited warranty for this product. Please refer to the warranty card included with your purchase or visit the official A. O. Smith website for detailed terms and conditions. Keep your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

If you have any questions, require assistance with installation, or need to order replacement parts, please contact A. O. Smith Customer Support:

- **Website:** [www.aosmith.com](http://www.aosmith.com)

- **Phone:** Refer to your product packaging or the A. O. Smith website for the most current contact numbers.