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Aqua-Pure SST1HA Industrial Grade Water Filter Instruction Manual

Model: SST1HA

Brand: Aqua-Pure

PRODUCT OVERVIEW

The Aqua-Pure SST1HA is an industrial-grade water filter designed for both hot and cold water applications. It features a durable 304-grade stainless steel sump and a 3/4 inch NPT horizontal connection. This unit is supplied with a mounting bracket and a wrench for installation and maintenance. Filter cartridges are sold separately.



Figure 1: Aqua-Pure SST1HA Industrial Grade Water Filter. This image displays the Aqua-Pure SST1HA Industrial Grade Water Filter. It features a cylindrical stainless steel housing with a grey top cap. A product label is visible on the side, indicating the model number SST1HA and the Aqua-Pure brand.

SAFETY INFORMATION

Always follow local plumbing codes and regulations during installation. Ensure the main water supply is turned off before beginning any installation or maintenance procedures. Do not exceed the maximum operating pressure or temperature specified for this unit. Use only compatible filter cartridges.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

PACKAGE CONTENTS

- Aqua-Pure SST1HA Filter Housing (Stainless Steel Sump)
- Mounting Bracket

- Wrench
- *Note: Filter cartridge is not included and must be purchased separately.*

INSTALLATION (SETUP)

Tools and Materials Required (Not Included):

- Appropriate plumbing fittings (3/4 inch NPT)
- Pipe sealant or Teflon tape
- Drill and mounting hardware (screws, anchors)
- Shut-off valves (recommended for ease of maintenance)
- Compatible filter cartridge

Installation Steps:

1. **Turn off Water Supply:** Locate and turn off the main water supply valve to your home or the specific area where the filter will be installed.
2. **Depressurize System:** Open a nearby faucet to relieve water pressure in the lines.
3. **Mount the Bracket:** Select a suitable location for the filter, ensuring adequate clearance for cartridge replacement. Use the provided mounting bracket as a template to mark and drill holes. Securely attach the mounting bracket to a sturdy surface using appropriate hardware.
4. **Install Filter Head:** Attach the filter head to the mounting bracket.
5. **Connect Plumbing:** Apply pipe sealant or Teflon tape to the threads of your 3/4 inch NPT plumbing fittings. Connect the inlet and outlet pipes to the filter head. Ensure all connections are tight to prevent leaks. Consider installing shut-off valves on both the inlet and outlet sides for easier future maintenance.
6. **Insert Cartridge:** Unscrew the sump (bottom part) from the filter head using the provided wrench. Insert the desired filter cartridge into the sump. Ensure the O-ring is properly seated and lubricated (if necessary) before reattaching the sump to the head. Hand-tighten, then use the wrench for a final snug turn. Do not overtighten.
7. **Restore Water Supply:** Slowly turn on the main water supply. Check for leaks around all connections.
8. **Flush System:** Open a downstream faucet to flush the system for several minutes until the water runs clear and any trapped air is expelled.

OPERATION

Once installed and flushed, the Aqua-Pure SST1HA filter operates continuously as water flows through it. The filter requires no electrical power, functioning via manual operation. Water enters the inlet, passes through the installed filter cartridge, and exits through the outlet, providing filtered water to your system.

Compatible Cartridges:

- **Dirt/Rust:** AP1001, AP1003, AP110, AP111, AP124
- **Taste/Odor:** AP117
- **Scale:** AP420
- **Triple-Action:** APS117

Note: Flow rates are based on the use of Dirt/Rust filter cartridges.

MAINTENANCE

Cartridge Replacement:

The frequency of cartridge replacement depends on water quality and usage. It is generally recommended to replace cartridges every 3 to 6 months, or when a noticeable drop in water pressure occurs.

1. **Turn off Water Supply:** Turn off the main water supply or the shut-off valves installed before and after the filter.
2. **Depressurize System:** Open a downstream faucet to relieve pressure.
3. **Remove Sump:** Place a bucket underneath the filter to catch any residual water. Use the provided wrench to unscrew the sump from the filter head.
4. **Remove Old Cartridge:** Discard the used filter cartridge.
5. **Clean Sump:** Clean the inside of the sump with warm, soapy water and rinse thoroughly. Inspect the O-ring for any signs of wear or damage. Replace the O-ring if necessary. Lubricate the O-ring with a food-grade silicone lubricant.
6. **Install New Cartridge:** Insert a new, compatible filter cartridge into the sump.
7. **Reattach Sump:** Carefully screw the sump back onto the filter head. Hand-tighten, then use the wrench for a final snug turn. Do not overtighten.
8. **Restore Water Supply:** Slowly turn on the water supply. Check for leaks.
9. **Flush System:** Open a downstream faucet to flush the system for several minutes to remove air and any loose carbon fines (if applicable to the cartridge type).

TROUBLESHOOTING

Problem	Possible Cause	Solution
Water Leakage	Loose connections, damaged O-ring, overtightened sump, incorrect cartridge seating.	Ensure all plumbing connections are tight. Inspect and replace O-ring if damaged; lubricate. Ensure sump is tightened correctly (snug, not overtightened). Re-seat cartridge.
Low Water Pressure	Clogged filter cartridge, air in the system.	Replace filter cartridge. Flush the system by opening a downstream faucet to release trapped air.
Poor Water Quality (Taste/Odor/Sediment)	Expired or incorrect filter cartridge, bypass valve open.	Replace filter cartridge with a new, appropriate type. Ensure any bypass valves are closed.

SPECIFICATIONS

- **Model:** SST1HA
- **Material:** 304 Grade Stainless Steel Sump
- **Connection Size:** 3/4 inch NPT Horizontal
- **Maximum Flow Rate:** 8 Gallons Per Minute (30.3 Liters Per Minute)
- **Maximum Temperature:** 200°F (93°C)
- **Maximum Pressure:** 300 psi (20.7 bar)
- **Product Dimensions:** 12"L x 6"W x 12.13"H (approximate)
- **Item Weight:** 4.4 Pounds (2 kg)
- **Installation Type:** Under Sink (typical, can vary)
- **Power Source:** Manual Operation
- **Supported Water TDS Level Maximum:** 1000 PPM
- **Special Feature:** NSF Certified

WARRANTY AND SUPPORT

This product is covered by a manufacturer's warranty. For specific warranty details, terms, and conditions, please refer to the documentation provided with your purchase or contact Aqua-Pure customer support. Keep your proof of purchase for warranty claims.

For technical assistance, troubleshooting, or to inquire about replacement parts and compatible cartridges, please contact Aqua-Pure customer service. Contact information can typically be found on the manufacturer's website or product packaging.