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Aquasure AS-HS48D

Aquasure Harmony Series 48,000 Grains Whole House Water Softener User Manual

Model: **AS-HS48D**

Brand: **Aquasure**

PRODUCT OVERVIEW

The Aquasure Harmony Series 48,000 Grains Whole House Water Softener is engineered to deliver ultra-softened water throughout your entire home. This system efficiently removes hard minerals such as calcium and magnesium, which are responsible for scale buildup and can cause skin irritation. By reducing water hardness, the Harmony Series protects your plumbing and extends the lifespan of household appliances like washing machines, dishwashers, and water heaters. It features a highly efficient design, rated to treat 48,000 Grains of hardness. The system is equipped with an automatic digital metered control head for easy customization and monitoring of water usage and regeneration cycles.



Image: The Aquasure Harmony Series 48,000 Grains Whole House Water Softener, showing the main resin tank with its digital control head and the accompanying brine tank.



HARMONY SERIES WHOLE HOUSE WATER SOFTENER



City and
Well Water



10+ Year
Resin Lifespan



Spotless Glass
& Dishes



Extends Life
of Appliances



Softer Skin
& Hair



High Flow
Rate

Image: Visual representation of the benefits of the Harmony Series Whole House Water Softener, highlighting advantages such as suitability for city and well water, 10+ year resin lifespan, spotless glass and dishes, extended appliance life, softer skin and hair, and high flow rate.

SETUP AND INSTALLATION

The Aquasure Harmony Series water softener is designed for freestanding installation. While the system features a plug-and-play design for simplified setup, basic plumbing knowledge is recommended for proper installation. For detailed step-by-step instructions, please refer to the official user manual PDF available for download.

Key Components:

- **Digital Control Valve:** The brain of the system, managing regeneration cycles.
- **Resin Tank (Pre-filled):** Contains the premium-grade resin media for ion exchange.
- **Brine Tank:** Holds salt for the regeneration process.
- **High Strength Bypass Valve:** Allows for easy system bypass during maintenance or in case of issues.
- **Power Adapter:** For the digital control head.

- **Brine Line and Drain Line:** Hoses for salt solution and wastewater discharge.

WHAT'S INCLUDED



- | | | |
|---|------------------------------|--------------------------|
| ① Digital Control Valve | ⑥ High Strength Bypass Valve | ⑪ Brine Tank Lid |
| ② Upper Distribution Basket | ⑦ 1" Yoke Connection | ⑫ Float Valve |
| ③ Resin Tank (Pre-filled) | (3/4" Available on request) | ⑬ Brine Tank |
| ④ Riser Tube & Bottom Distribution Basket | ⑧ Power Adapter | ⑭ Brine Drain Connection |
| ⑤ Thin Profile Hydraulic Meter | ⑨ 6' of 3/8" Brine Line | ⑮ Brine Well |
| | ⑩ 10' of 1/2" Drain Line | ⑯ Grid Plate |

Image: An exploded diagram illustrating all components included with the Aquasure Harmony Series Water Softener, such as the digital control valve, resin tank, brine tank, bypass valve, and various lines and baskets.

KEY FEATURES

SMART CONTROL HEAD

Intuitive smart control head allows for effortless customization and management of water softening settings for optimal performance and convenience.

QUICK CONNECTION

Features a plug-and-play installation for effortless setup and maintenance, saving you time and effort.

PREMIUM GRADE RESIN MEDIA

Long lasting standard cross-link resin, ensuring reliable performance for continuous soft water supply.

CROSS-LINK RESIN



RIGID VALVE BODY

The rigid valve body is made from Noryl, known for its exceptional strength, heat resistance, and durability.

HEAVY DUTY TANK

Constructed with high-strength fiberglass-lined polyethylene, providing exceptional resistance to corrosion, ensuring longevity.



Image: A visual highlighting key features of the Aquasure Harmony Series, including the smart control head, premium grade resin media, rigid valve body, and heavy-duty tank construction.

The system is constructed with a high-strength, corrosion-resistant, fiberglass-lined polyethylene tank and a durable bypass valve, ensuring longevity and reliable performance.

OPERATING INSTRUCTIONS

The Aquasure Harmony Series features an automatic digital metered control head, providing intuitive control and monitoring.

- **Fully Customizable Regeneration:** The control head offers three types of regeneration: time clock delayed control, meter immediate control, and meter delayed control. This allows you to customize auto-flush intervals based on your incoming water quality and water usage patterns.
- **Back-lit Digital Display:** The display provides essential information such as time of day, current flow rate, totalizer, and volume/days until the next regeneration.
- **One-Push Regeneration:** For immediate needs, the system allows for manual regeneration with a single button press to help rinse out hardness.

- **Intuitive Control Head:** The system calculates the amount of water it treats and initiates backwash based on the actual amount of water used, optimizing salt and water efficiency.



Image: A detailed view of the automatic control head, highlighting its fully customizable regeneration options, backlit digital display, one-push regeneration button, and intuitive control functions.

How Ion Exchange Works

The water softening process relies on ion exchange. As hard water flows through the resin tank, calcium and magnesium ions (hardness minerals) are attracted to and exchanged with sodium ions on the resin beads. Once the resin beads are saturated with hardness minerals, the system undergoes a regeneration cycle using a brine (salt) solution from the brine tank. This flushes the hardness minerals to the drain and recharges the resin with sodium ions, preparing it for the next softening cycle.

HOW DOES IT WORK?



AQUASURE

Image: A diagram explaining how the water softener works, detailing the resin beads ion exchange process and the regenerative brine stage where hard minerals are expelled.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Aquasure Harmony Series water softener.

- **Salt Level Monitoring:** Periodically check the salt level in the brine tank. Ensure there is always enough salt for the regeneration cycles. Use high-quality water softener salt.
- **Regeneration Cycles:** The digital control head automatically manages regeneration. However, you can initiate a manual regeneration if needed, for example, after a period of unusually high water usage.
- **Pre-filter Maintenance:** If your system includes a pre-filter (such as a Triple Purpose Sediment/Carbon/Zinc pre-filter), follow its specific maintenance schedule for cartridge replacement to ensure effective removal of sediment, chlorine, and other contaminants before water reaches the softener.
- **System Cleaning:** Keep the exterior of the unit clean. Avoid using harsh chemicals.

TROUBLESHOOTING

This section addresses common issues you might encounter with your water softener.

- **No Soft Water:**
 - Check salt level in the brine tank.
 - Ensure the system is plugged in and has power.
 - Verify the control head settings for regeneration frequency.
 - Check if the bypass valve is in the service position.
- **Leaks Around Bypass Valves:**
 - Ensure the bypass valves are properly seated and secured with their metal clips.
 - Inspect O-rings for damage or improper placement.
 - Ensure plumbing connections are not putting excessive downward pressure on the valves, which can cause drips.
- **Control Head Display Issues / Reset After Power Outage:**
 - The unit does not have a battery backup. In case of a power outage, you may need to reset the time and reprogram all settings. Refer to the operating instructions for reprogramming steps.
- **Excessive Salt Usage:**
 - Review the control head settings for regeneration frequency and salt dosage. Adjust based on your water hardness and usage.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please refer to the comprehensive user manual PDF or contact Aquasure customer support.

SPECIFICATIONS

Feature	Detail
Brand	Aquasure
Model Name	AS-HS48D
Product Dimensions	10"L x 10"W x 62"H
Item Weight	120 Pounds
Maximum Flow Rate	12 Gallons Per Minute
Voltage	120 Volts
Size (Grains)	48,000 Grain
Installation Type	Freestanding
Special Feature	Programmable
UPC	855864008293

WHICH SYSTEM IS RIGHT FOR YOU?









Image: A guide to choosing the right Aquasure system size, illustrating different grain capacities (24K-32K, 33K-42K, 43K-52K, 53K-72K) and their recommended household and bathroom sizes.

WARRANTY AND SUPPORT

Aquasure stands behind the quality of its products. The Harmony Series 48,000 Grains Whole House Water Softener comes with a **5-year extended manufacturer warranty**. To activate your warranty and receive lifetime free US-based technical support, please register your product online within 60 days of purchase.

For further assistance, detailed installation guides, or troubleshooting, please refer to the official user manual PDF: [Aquasure Harmony Series User Manual \(PDF\)](#).

No official product videos from the seller were found with relevant content for embedding in this manual.

	<p>Aquasure Harmony Series Whole House Water Softener Owner's Manual</p> <p>Comprehensive owner's manual for the Aquasure Harmony Series Whole House Water Softener, covering installation, setup, operation, troubleshooting, and specifications. Ensure optimal performance and protection against hard water.</p>
	<p>Aquasure Harmony Series Whole House Water Softener Owner's Manual</p> <p>This owner's manual provides comprehensive instructions for the installation, operation, and maintenance of the Aquasure Harmony Series Whole House Water Softener, including models AS-HS32D, AS-HS48D, and AS-HS64D.</p>
	<p>Aquasure Harmony Series Whole House Water Softener Owner's Manual</p> <p>This manual provides instructions for the installation, programming, and maintenance of the Aquasure Harmony Series Whole House Water Softener models AS-HS32D, AS-HS48D, AS-HS64D, AS-HS32FM, AS-HS48FM, and AS-HS64FM. It covers system operation, safety guidelines, troubleshooting, and warranty information.</p>
	<p>Aquasure Harmony Series Whole House Water Softener Owner's Manual</p> <p>Comprehensive owner's manual for the Aquasure Harmony Series Whole House Water Softener, covering installation, operation, programming, troubleshooting, and warranty information for models AS-HS32D, AS-HS48D, AS-HS64D, AS-HS32FM, AS-HS48FM, and AS-HS64FM.</p>
	<p>Aquasure Harmony Series Whole House Water Softener Owner's Manual</p> <p>Comprehensive owner's manual and installation guide for the Aquasure Harmony Series Whole House Water Softener, covering inspection, installation steps, system parameters, safety, features, dimensions, troubleshooting, and warranty information.</p>
	<p>Aquasure Harmony Series Whole House Water Softener Owner's Manual</p> <p>Comprehensive owner's manual for the Aquasure Harmony Series Whole House Water Softener, covering installation, operation, programming, troubleshooting, and warranty information for models AS-HS32D, AS-HS48D, and AS-HS64D.</p>

