



Marketed by:
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AMI Sola Pure

Under-the-counter UV Water Purifier
with a built-in hydrostatic tank

— Single Cabinet —



Instructions Handbook



TECHNOLOGY

UV + UF

*The
Best Tasting
Pure Water*

Applied Membranes, Inc. is an ISO 9001:2015 QMS Certified Company

Welcome to AMI

Dear Customer,

Welcome to the world of AMI, leaders of the water purification industry in the USA. With an AMI product, you have all the reasons to smile, because at AMI we take pride in the quality and laboratory-tested performance of our products.

We are confident that your decision to own the **AMI Sola Pure** Purifier will go a long way in serving you with pure and mineral enriched drinking water, keeping you and your family in good health. We assure you that you will be satisfied with its trouble-free operation and quality performance, without any compromise.

This manual is an effort towards familiarising you with the operation and maintenance of the **AMI Sola Pure** Purifier. Before operating the unit, please read it thoroughly and retain it for future reference.

Best Wishes,

APPLIED MEMBRANES, INC.

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AMI Technology - A Breakthrough in Water Purification*

AMI proudly presents the **AMI Sola Pure** Purifier. it is a new and advanced home water purifier which provides pure & healthy drinking water.

The futuristic **AMI Sola Pure** Purifier, developed at AMI Laboratories, is comprised of state-of-the-art UV+UF double purification system. The initial purification by UV deactivates bacteria and viruses and the double purification by the fine pores of the Hollow Fibre Ultrafiltration Membrane removes them from the purified water. The Activated Carbon Pre-filter reduces bad taste and odor, so that the water you drink is healthy, safe and tasty.

Features of AMI Sola Pure UV Purifier



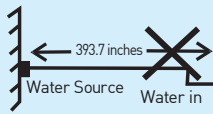


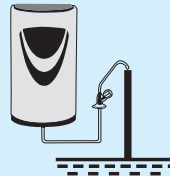


1. Compact single cabinet design for under-the-counter placement.
2. Double purification by UV + UF.
3. Fully automatic operation with auto-on/off.
4. Completely disinfects water without changing its taste, odor or pH scale.
5. Suitable for tap water / municipal water supply.
6. Ideal for under-the-counter as well as side-by-side placement adjacent to refrigerator.
7. Effective against bacteria, viruses, and all kinds of residual impurities like chlorine.



Items in the Box

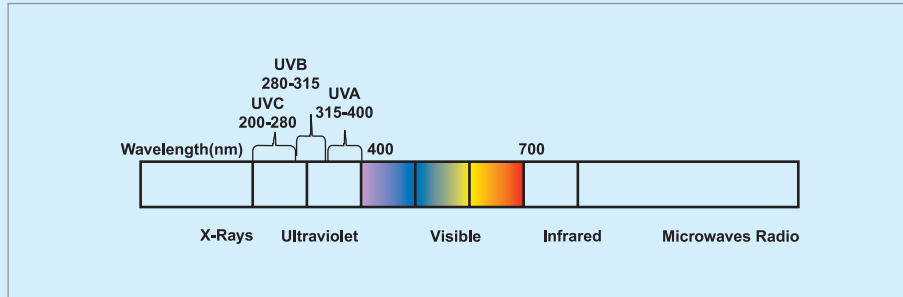
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|-------------------------------------|---|-------------|
| 1. AMI Sola Pure UV Purifier | : | 1 Qty. |
| 2. 3-Way Connector | : | 1 Qty. |
| 3. S.S. Ball Valve | : | 1 Qty. |
| 4. Faucet | : | 1 Qty. |
| 5. Instruction Handbook | : | 1 Qty. |
| 6. Food Grade Pipe ¼" (White) | : | 98.4 inches |
| 7. Food Grade Pipe ¾" (white) | : | 98.4 inches |

Important Instructions

 <p>Avoid exposure to direct sunlight and installation in damp areas.</p>	 <p>Make sure that the purifier is connected to normal temperature water supply only.</p>
 <p>Maximum distance between the water source and purifier should not be more than 3 meters.</p>	 <p>Avoid sharp bends in pipes.</p>
 <p>In case of not using the purifier for more than two days, kindly switch off the power supply and drain out the storage tank.</p>	 <p>To keep the storage tank clean, it should be drained once in 30 days.</p>
 <p>Use Genuine AMI spares for optimum performance.</p>	 <p>Do not try to service the purifier on your own. Instead, call service technician for help.</p>

UV Process

The UV light has shorter wavelength (higher energy) than the visible light. It is called ultra-violet because it is just beyond violet light in the light spectrum. Technically, the ultra-violet light is defined to be any wavelength of light, which is shorter than 400 nanometer. UV rays, which penetrate into the micro-organisms, are absorbed by the DNA of the pathogen in the water. The DNA is altered in such a way that the pathogen cannot reproduce itself. Thus, it is essentially killed and cannot cause infection. This process of DNA modification is called inactivation.

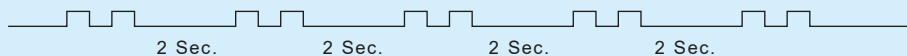


Automatic Operation

- The purifier automatically shuts off when the storage tank is full
- The purifier does not start when the inlet water supply pressure falls below 7.11 (psi/10°C)
- The purifier automatically restarts when water level drops below the maximum
- The purifier doesn't allow any water rejection in the absence of electricity or when the tank is full

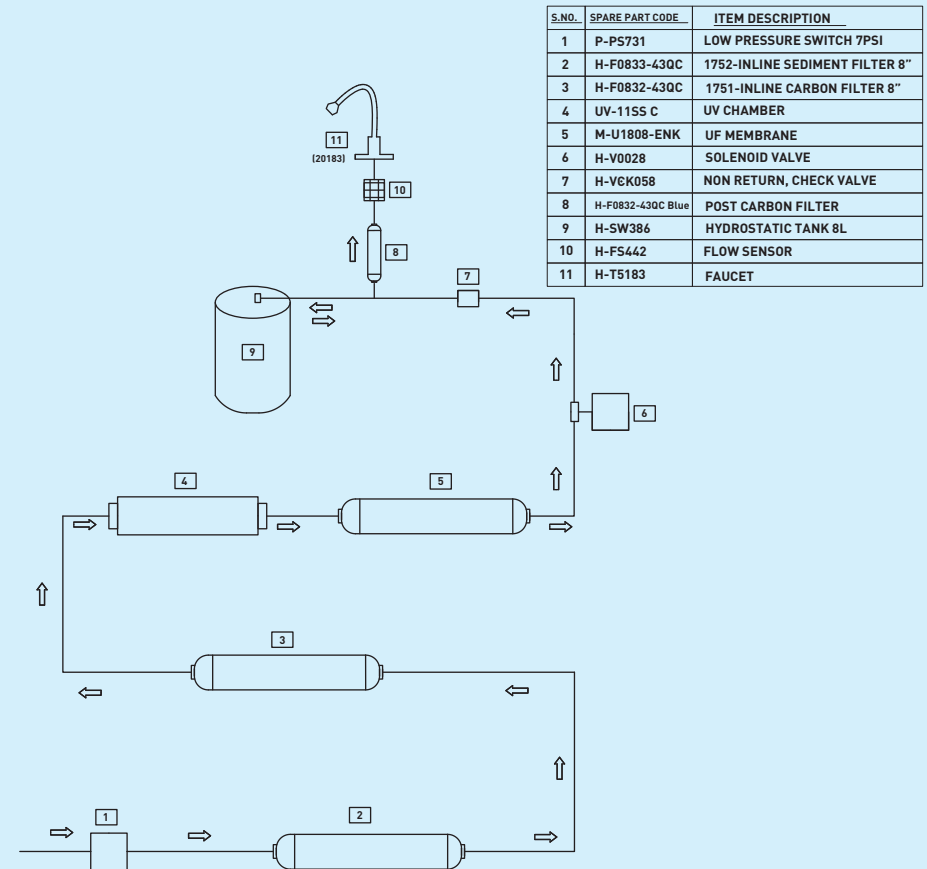
UV Fail Alarm

AMI Sola Pure Purifier has a built-in feature that produces an audible alarm if the UV lamp malfunctions. This feature is provided to ensure pure water.

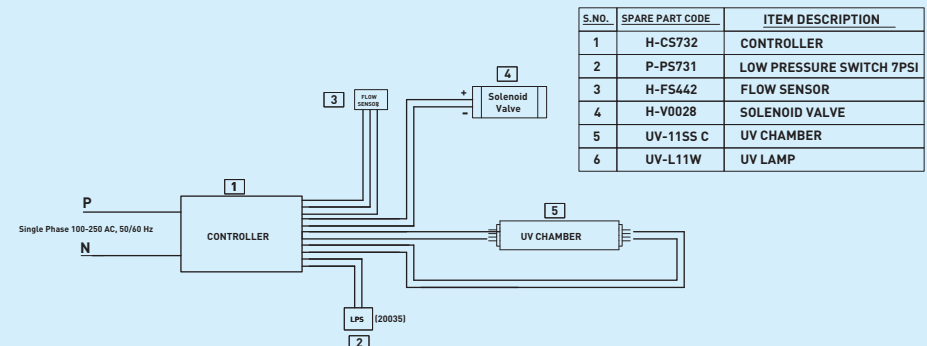


In case the alarm is audible, kindly switch off the purifier and call the service technician for help. The purifier will stop its purification process in such a circumstance.

Water Flow Diagram



Electrical Circuit Diagram



Installation Instructions

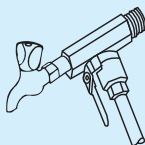
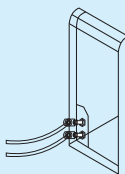
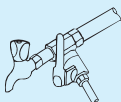
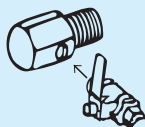
AMI Sola Pure UV Purifier is a convenient and user-friendly under-the-counter model.

Recommended Site Preparations

- Single Phase 100-250 V AC, 50-60 Hz. supply, not more than 118 inches away from the point of installation
- Raw water supply with ½ inch nipple not more than 118 inches away
- Installation space as per the dimensions of the purifier
- Source water should be from cold water line. Do not connect to hot water line
- Install the purifier near a sink for easy availability of inlet water lines
- The system and installation need to comply with state and local laws and regulations

Installation Procedure:

- Fix the SS ball valve to the ¼ inch port of the 3-way connector as shown in the figure
- Connect the 3-way connector to the raw water supply as shown in the figure. The threaded end of the 3-way connector is fit in-line with the raw water supply. The other end can be connected to a tap or plugged off, if not required
- Now connect one end of the white pipe 3/8" to the SS ball valve and other end to the lower pushfit elbow fitting on the back side of the purifier labeled as 'Water In'
- Install the faucet on the kitchen sink or the slab. Connect one end of the white pipe ¼" to the faucet and the other end to the fitting connector labeled as 'Faucet'
- Before connecting the power supply, it is important that you perform the following functions:
 - i. Open the SS ball valve (Handle parallel to the ball valve) to start the flow of water into the purifier
 - ii. Wait for 2-3 minutes to ensure that the filters are soaked in water



Starting-up the Purifier

- Switch on the power supply
- Wait approximately for 15 minutes so that the storage tank is full**
- Switch off the power supply
- Drain off the storage tank by opening the faucet to remove any dust particles from the pipe and storage tank
- Close the faucet & switch on the power supply
- The purifier is ready to use

****Tested & certified Flushing Time - 24 Hours.**

Maintenance

To ensure that the purifier operates at its best, a routine maintenance must be performed. The frequency of the maintenance will greatly depend upon the raw water quality and consumption of purified water.

- Storage tank must be drained once a month.
- Replace sediment filter and activated carbon filter once in 12 months or earlier if they get clogged.
- Replace UV lamp once a year
- In the event of not using the purifier for a long time (while going for a holiday, tour, etc.), ensure that you disconnect the power supply, turn off the raw water supply and drain out the storage tank

Replacement of spare parts are as under:

- | | |
|---------------------|--------------------------------|
| - H-F0833-43QC | 1752-Inline Sediment Filter 8" |
| - H-F0832-43QC | 1751-Inline Carbon Filter 8" |
| - H-F0832-43QC Blue | 1598-Post Carbon Filter (Blue) |
| - M-U1808-ENK | UF Membrane 8" |
| - UV-L11W | UV Lamp |

Note: Replacement time of consumables such as filters and membrane is dependent on the quality of raw water and quantity of water consumed.

Important Safety Instructions

- If the supply cord is damaged, it must be replaced by the original part in order to avoid hazard
- Children should be supervised to ensure that they do not play with the appliance

Warning

- Do not operate the UV-C emitter when it is removed from the appliance enclosure
- Read the maintenance instructions before opening the appliance
- The appliance must be disconnected from the supply before replacing the UV-C emitter

Technical Specifications

Product	AMI Sola Pure
Product Code	HD-35SP
Product Generic Name	Water Purifier
Product Colour	White
Applications	Suitable for Tap Water/Municipal Water Supply
Purification Production Rate	15 (gal/hr.) (Depending on Inlet Water Pressure)
Body Material	ABS Food Grade Plastic
Mounting	Under-the-counter
Dimensions (inches)	17.5 (L) x 9.6 (W) x 16.5 (H)
Inlet Water Pressure / Temp. (Min.)	7.11 psi (10°C)
Inlet Water Pressure / Temp. (Max.)	56.893 (psi/40°C)
Filter Cartridge	Sediment, Activated Carbon, UF and Post Carbon
UV Lamp Wattage	11 (W)
Life of UV Lamp	5000 hrs. of operation
Maximum Duty Cycle	79.2 (gal/day)
Net Weight	20.9 (lbs)
Total Power Consumption	20 (W)
Input Power Supply	Single Phase 100-250 V AC, 50-60 Hz. ☐
IP Number	IPX1