

Pre-instruction Literature

On Receipt

It is our policy to promote safe delivery of all orders. This product shipment has been thoroughly checked, packed and quality certified before leaving our factory.

Visible Loss or Damage

If any of the goods called for on the bill of lading or express receipt are damaged or the quantity is short, do not accept them until the freight or express delivery agent makes an appropriate notation on your freight bill or receipt.

Concealed Loss or Damage

When a shipment has been delivered to you in apparent good condition, but upon opening the packaging if any loss or damage has taken place while in transit, inform the carrier's agent / A. O. Smith representative immediately.

About this manual

This manual is a guide to good practice for operating and periodic maintenance of the A.O. Smith Intelli-UV-Pro Water Purifier.

This does not contain the full servicing procedures necessary for continued successful operation of this product. The services of A. O. Smith Company Authorised Service Technician must be employed periodically on the same.

Do not operate before reading manual supplied with this product.

Please follow instructions in this manual to ensure personal safety and proper operation of this product. A. O. Smith assumes no liability for installation or servicing performed by any unauthorised personnel. Always install, operate, inspect and maintain this product in accordance with all applicable standards. Please store this user manual carefully for any future reference.

Disposal of this Product

(Waste Electrical and Electronic Equipment)



This marking on the product, accessories or User Manual indicates that the product and its electronic accessories (e.g. Remote, batteries and other replaceable electronic accessories) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable re-use of material resources.

Household users should contact their local government office, for details of where and how they can take these items for environmentally safe recycling. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

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General Instructions

Safety

Your safety and the safety of your loved ones is paramount to us. There are several safety related messages in this manual, which have been provided during various steps such as the installation, operation and maintenance of your A. O. Smith Intelli-UV-Pro Water Purifier. These messages point out potential hazards and also educate on how to reduce any potential risks. Please always read and follow all safety messages as provided in this user manual.

	This is the safety alert symbol. This symbol alerts you to potential hazards that can hurt you and others. All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING".
	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a potentially hazardous situation, which if not avoided, could result in death or serious injury.
	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property damage.

IMPORTANT

These instructions have been written as a guide for the proper installation and operation of your Water Purifier. A. O. Smith will not accept any liability where these instructions have not been followed. However, for your safety and to avoid damage caused by improper installation, it is recommended that Water Purifier must be installed by A. O. Smith Company Authorised Service Technician only.

Before proceeding with the installation instructions:

1. Inspect the Water Purifier and its component parts for possible damage. Do Not install or attempt to repair any damaged component parts. If you detect any damage in the Water Purifier, please contact the dealer where the Water Purifier was purchased or call A. O. Smith Customer Care Centre.
2. Verify that the voltage being supplied corresponds to that which is marked on the Water Purifier manual.

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A. O. Smith Advantages



Purity through 6 Stage UV purification

A. O. Smith Intelli-UV-Pro provides healthy and safe drinking water with 6 stages of purification.



Double protection with India's 1st Dual pass UV chamber

Intelli-UV-Pro is powered by India's 1st Dual Pass UV Chamber (patent applied) in which water passes through the advanced high power 11 W UV lamp two times and ensures purified safe and healthy drinking water



No compromise- 3 technologies in one

The Intelli-UV-Pro is powered by 3 technologies (Dual Pass UV + SCMT (Silver Charged Membrane Technology) + UF Ultra Fine technology) in one power packed product, to ensure there is no compromise on your family's health.



Hot Water at Press of a Button

Instant UV purified water with 3 temperature settings - Room temperature water, warm (45°C) and hot (80°C).



Elevate your kitchen décor

Modern and contemporary design and night assist make your kitchen look good. And a large 10L storage capacity provides clean and healthy water all day long.



Stay Worry free with UV life alert

Indicates in advance when UV lamp and other filters need to be changed. Digital Display provides simple and intelligent display of information.



Product colour and image shown may vary from the actual product.
Part No. : 335300-072_A Date: 06-09-2022



Water Purifier
Intelli-UV-Pro



User Manual

Introduction

UV is a proven disinfection technology used in water purification which delivers micro-biologically safe water. The germicidal lamp inside the UV emits ultraviolet energy that has the capacity to alter the nucleic acid (DNA) of viruses, bacteria and cysts so they cannot reproduce and are thereby considered inactivated. The A. O. Smith Intelli-UV-Pro Water Purifier incorporating UV purification technology produces germ-free potable water for drinking. Purified water is collected for drinking in a storage tank.

How does the A. O. Smith Intelli-UV-Pro Water Purifier work?

A. O. Smith Intelli-UV-Pro Water Purifier has 6 stages of purification system, wherein the water is passed through the various stages and progressively filtered to get purified water which is stored in the inbuilt storage tank.

Stage 1 – Pre-filter

The Pre-filter is used to remove physical contaminants such as dirt, dust, soil particles, turbidity present in the water. This improves the life of the Fine Sediment filter.

Stage 2 – Fine Sediment filter

The Fine Sediment filter is used to remove finer physical contaminants present in the water. This improves life of the SCB filter*.

Stage 3 – SCB filter*

The SCB filter* uses carbon block which reduces harmful chemicals including pesticides, volatile organic compounds, residual chlorine etc. It also adsorbs bad taste and odour causing organic compounds from water.

Stage 4 – UV lamp (Dual pass)

In this stage water is passed through UV housing wherein UV rays disinfects the water by eliminating water-borne disease causing micro-organisms like bacteria and virus making it healthy for drinking.

Stage 5 – UF (Ultra fine) filter

In this stage water is passed through Ultra fine filter where it removes deactivated microbial cells and cysts.

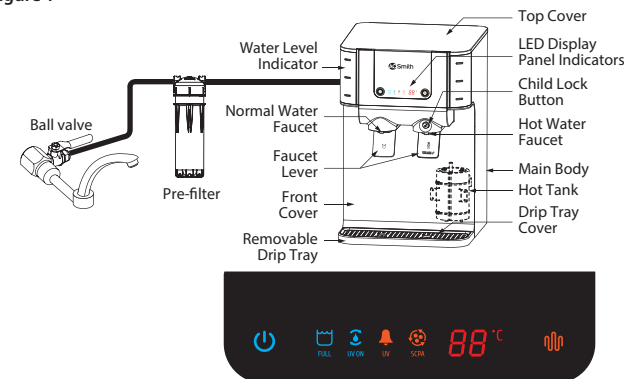
Stage 6 – ZX filter

In the final stage water is passed through SCMT (Silver Charged Membrane Technology) filter which ensures double purification of water making it Safe and Healthy for drinking.

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Product Overview

Figure 1

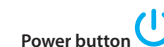


LED Display Panel Indicators

Note: The Pre-filter and the Ball valve comes along with the product as standard accessories.

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Function of indicators



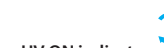
Power button

This button is used to switch ON/OFF the Water Purifier.



Tank full indicator

This indicates that the Water Purifier tank is full.



UV ON indicator

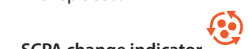
This indicates that the UV lamp is ON and water purification process is in progress.



UV change indicator

This indicates that the UV lamp needs to be replaced.

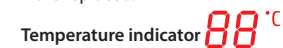
- UV change indicator glows when 10% life is remaining, indicating that it is time to replace UV lamp.
- When UV lamp life reaches its end, this indicator will start to blink continuously and the unit will not function until UV lamp is replaced.
- UV change indicator keeps blinking continuously with the buzzer beeping for 10 times every time the system is switched ON. The unit will not function until UV lamp is replaced.



SCPA change indicator

This indicates that except UV lamp all filters (Pre-filter, Fine Sediment filter, SCB filter*, UF (Ultra Fine) filter and ZX filter) needs to be replaced.

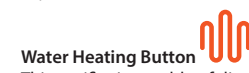
- SCPA change indicator glows when 10% life is remaining, indicating that it is time to replace all filters.
- When filters life reaches its end, this indicator will start to blink continuously and the unit will not function until all filters are replaced.
- SCPA change indicator keeps blinking continuously with the buzzer beeping for 10 times every time the system is switched ON. The unit will not function until all filters are replaced.



Temperature indicator

This indicates the temperature of water inside the hot water tank and displays the Error codes in case of fault in the Water Purifier.

Note: Call A. O. Smith Customer Care Centre if you notice any Error codes (Refer page 12).



Water Heating Button

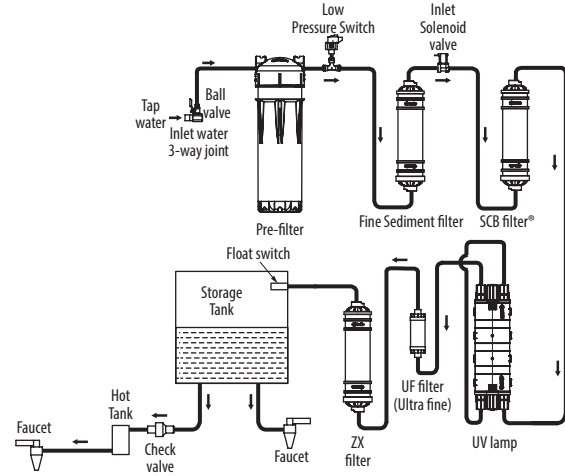
This purifier is capable of dispensing warm water (45°C) and hot water (80°C) as per

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Water flow

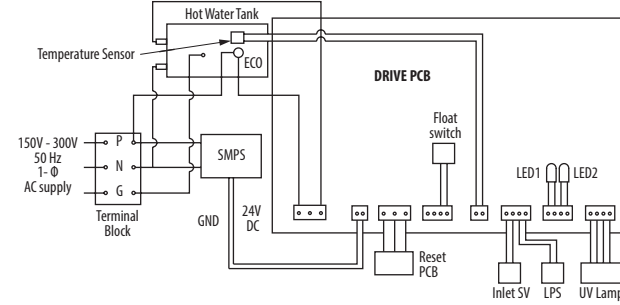
Figure 2



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Electrical Diagram

Figure 3



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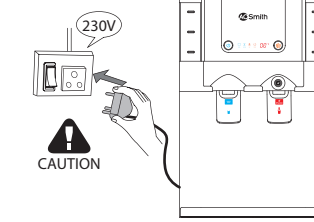
Safety Precautions

Electrical Safety

Even though this product is designed keeping highest safety standards in mind, there are certain Do's and Don'ts which need to be followed while using this product.

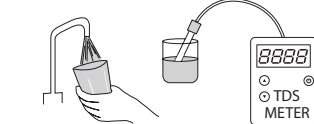
Power plug must be used with a 230 V outlet. It is recommended to connect the product to the power supply only with the plug that is provided with the purifier. Do not pull out or touch power plug with wet hands to avoid electrical shock.

Figure 4



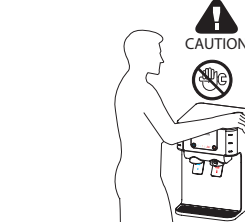
Make sure that the feed water is tested before installation. Do not install the product if the TDS and Hardness are more than that prescribed in the recommended feed water conditions (Refer page 14).

Figure 6



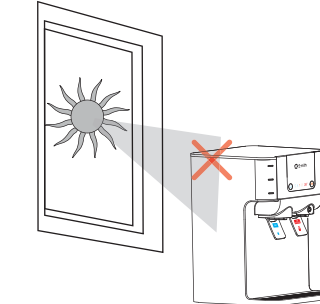
Product should be installed only by A. O. Smith Company Authorised Service Technician. Do not open the purifier for cleaning the filters/UV lamp* or for any part replacements. This must be done only by A. O. Smith Company Authorised Service Technician.

Figure 5



Install the product away from direct sunlight.

Figure 7



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WARNING

*Do not open UV housing as UV rays will be harmful to the human beings. This must be done only by A. O. Smith Company Authorised Service Technician.

Troubleshooting

Your A.O. Smith Intelli-UV-Pro Water Purifier may not function at its desired capability if used incorrectly. This may not necessarily mean that the product is faulty. For instances like these, please follow the steps given below to troubleshoot the problem without the help from a certified technician. If the problem still persists, please call Customer Care Centre immediately.

Problems	Possible Cause(s)	Solution
Change in water taste.	Has the purified water been stored in the tank for long time?	Drain the stored water from the storage tank through faucet.
	Filters/UV lamp may require replacement.	Call Customer Care Centre for filters/UV lamp replacement.
	Has the raw water quality changed?	Call Customer Care Centre.
Decreased flow of purified water.	Check whether the tap/ball valve is closed.	Open the tap/ball valve.
	Filters/UV lamp may be clogged or damaged.	Call Customer Care Centre for filters/UV lamp replacement.
Less/No purified water.	Check whether there is water supply in the tap.	If not, take the help of a plumber to set it right.
	Check whether tap/ball valve is closed.	Open the tap/ball valve.
	Check if either UV change or SCPA change is red.	Call Customer Care Centre for replacement of UV lamp/filters.
	None of the above.	Call Customer Care Centre.

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Problems	Possible Cause(s)	Solution
No hot water.	Check whether the storage tank is full. Fault in check valve.	Wait until the storage tank gets filled. Call Customer Care Centre.
Buzzer beeps and tank full and power LED blinks continuously.	Inlet solenoid valve alarm is triggered indicating that the solenoid valve is short.	Switch OFF the Water Purifier and call Customer Care Centre.
Buzzer beeps and UV ON LED blinks continuously.	UV lamp failure alarm is triggered indicating that the UV lamp is open and the water supply has been stopped.	Switch OFF the Water Purifier and call Customer Care Centre.
Buzzer beeps for 10 times and power LED blinks continuously.	Low pressure alarm is triggered indicating that the system input water pressure is not in the required range.	Switch OFF the Water Purifier and call Customer Care Centre.
UV change LED glows.	UV change indicator glows when 10% life is remaining indicating that it is time to replace UV lamp.	Call Customer Care Centre for UV lamp replacement.
Buzzer beeps for 10 times and UV change LED blinks continuously.	UV change alarm is triggered indicating that the UV lamp needs to be replaced and the water supply has been stopped.	Switch OFF the Water Purifier and call Customer Care Centre for UV lamp replacement.
SCPA change LED glows.	SCPA change indicator glows when 10% life is remaining indicating that it is time to replace filters.	Call Customer Care Centre for filters replacement.
Buzzer beeps for 10 times and SCPA change LED blinks continuously.	SCPA change alarm is triggered indicating that the filters need to be replaced and the water supply has been stopped.	Switch OFF the Water Purifier and call Customer Care Centre for filters replacement.

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Error Messages and Actions

Error Code / Error Description	Unit Response	Solution
E1 (Element connection fault).	Buzzer beeps for 10 seconds and hot water supply has been stopped.	Call Customer Care Centre.
E2 (High Temperature alarm).	Buzzer beeps for 10 seconds and hot water supply has been stopped.	Call Customer Care Centre.
E3 (NTC Sensor alarm).	Buzzer beeps for 10 seconds and hot water supply has been stopped.	Call Customer Care Centre.
E4 (EEPROM error).	Internal PCB error.	Call Customer Care Centre.

Note: Call Customer Care No. 1800-103-2468/1860-500-2468.

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Technical Specifications

Model	A. O. Smith Intelli-UV-Pro
Product Dimensions (H x D x W)	482 mm x 369 mm x 326 mm
Net Weight	7.65 kgs (approx.)
Gross Weight	11.70 kgs (approx.)
Storage tank capacity	Upto 9.2 litres
Storage tank capacity (Hot tank)	Upto 0.8 litres
Purification technology	UV + SCMT technology
6 Stage Purifying Technology	Pre-filter + Fine Sediment filter + SCB filter* + UV lamp (Dual pass)* + UF (Ultra Fine) filter + ZX filter*.
Material of construction for plastic parts	Food safe, non-toxic, engineering grade plastics
Input Voltage	150 – 300 VAC, 50 Hz
Power rating (Max)	36 Watts
Pressure Rating*	5 psi to 30 psi
Heating element wattage	500 Watts @ 230 VAC
UV lamp Power Rating	11 Watts
Warm water temperature	45°C ± 5°C
Hot water temperature	80°C ± 5°C
Emergency cut out temperature	90°C ± 3°C
Input water temperature	5°C to 45°C

+ Patent Applied.

* If input pressure exceeds 30 psi, a pressure reducing valve needs to be installed at the feed line. If the pressure is lower than 5 psi, a booster pump needs to be installed. Ensure you buy them from A. O. Smith Company Authorised Service Technician.

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Recommended input Feed water quality for the optimum performance of your product

Recommended Feed Water Quality	
Parameter	Limits
Total Dissolved Solids (TDS)	Up to 200 ppm
Total hardness	Up to 120 ppm
Turbidity	Up to 5 NTU
Iron	0.3 ppm (max.)
Feed water pressure	5 psi to 30 psi
Feed water temperature	5°C to 45°C

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