## **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.

This manual is a guide to good practice for operating and periodic maintenance of the A. O. Smith ProPlanet P3 / ProPlanet P4 RO 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.

## **General Instructions**

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 ProPlanet P3 / ProPlanet P4 RO 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



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".

**▲** DANGER

Indicates a potentially hazardous situation, which if not

**⚠** WARNING **⚠** CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property

avoided, could result in death or serious injury.

## **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.

Before proceeding with the installation instructions:

- . 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. Verify that the voltage being supplied corresponds to that which is mentioned in the A. O. Smith ProPlanet P3 / ProPlanet P4 RO Water Purifier manual.

Note: This manual refers to the two models ProPlanet P3 RO Water Purifier and ProPlanet P4 RO Water Purifier. Based on the product purchased, customer needs to

## ntroduction

A. O. Smith ProPlanet P3 / ProPlanet P4 RO Water Purifier uses one of the latest technologies that is used in water purification process. A. O. Smith ProPlanet P3 / ProPlanet P4 RO Water Purifier works under the principle of RO (Reverse Osmosis) technology which is found to be one of the most effective process. In this process water under pressure is passed through a semi-permeable membrane. Purified water is collected for drinking in a storage tank and impurities in the water are flushed to the

## Why water purification is important?

Water purification, today is essential due to the presence of harmful contaminants present in the water supply. Rapid urbanisation and speedy industrial growth have led to significant pollutants and contaminants being found in the water supply. Below is a list of some of the harmful contaminants found today in the water supply which if consumed in excess can be detrimental to human health.

- TDS (Total Dissolved Solids) like Nitrates, Chlorides, Sulphates etc.
- Pesticides and VOC (Volatile Organic Compounds).
   Heavy metals like Mercury, Arsenic, Lead, Chromium, Cadmium etc., imbalanced pH. Micro-organisms such as pathogenic bacteria, virus, protozoa and cysts.
- A. O. Smith ProPlanet P3 / ProPlanet P4 RO Water Purifier removes excessive TDS (Total Dissolved Solids) in water by more than 95%. A. O. Smith ProPlanet P3 / ProPlanet P4 RO Water Purifier reduces heavy metals, removes pathogens and balances the pH value. By this, it ensures you safe and great tasting water.

How does the A. O. Smith ProPlanet P3 / ProPlanet P4 RO Water Purifier work? A. O. Smith ProPlanet P3 / ProPlanet P4 RO Water Purifier has 8 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 in-built 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 Sediment filter.

## Stage 2 and Stage 3 – SCB filter® (Sediment and Carbon Block)

This is a dual filter (Sediment and Carbon Block) where Sediment filter first removes fine and coarse physical contaminants present in the water. Then water is passed through Carbon Block, which reduces harmful chemicals like pesticides, volatile organic compounds, residual chlorine etc. It also adsorbs bad taste and odour causing organic compounds from water.

Stage 4 – ART™ MAX (Advance Recovery Technology™)
The ART™ MAX (Advance Recovery Technology™) is scale control media which conditions the water to reduce scaling potential in water.

## Stage 5 - RO (Reverse Osmosis) membrane

RO membrane contains semi-permeable membrane wherein the water is passed through the semi-permeable membrane to remove TDS (Total Dissolved Solids) and heavy metals like mercury, arsenic, lead, chromium, cadmium etc. It also removes micro-organisms like bacteria, virus, protozoa and cysts.

## Stage 6 - Alkaline Min-Tech

This is an advanced filter with balanced source of essential minerals like Calcium and Magnesium which helps to keep our body healthy. It enhances the taste and maintains the sweetness of water. The advanced pH balancing technology will maintain the pH of the water as per standards. The odour control will give the optimum protection to the pure water and make water free from trace odour and increase the taste

## Stage 7 and Stage 8 – ZX Double Protection Dual filter®+

This is a dual filter where water is passed through Post Carbon block which acts as polisher and enhances the taste of water. 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.

## **UV LED** (Only for ProPlanet P4 model)

In this stage UV rays prevents further microbial growth in the stored water, thereby making it healthy for drinking and keeping it All Time Fresh in the tank.

## **Product Overview**

# LED Display

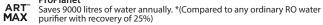


## **ProPlanet P3 LED Display Panel Indicators**



**ProPlanet P4 LED Display Panel Indicators** 

# Key Features of your A. O. Smith ProPlanet P3 / ProPlanet P4 RO





ProPlanet actively communicates your significant contribution towards

## ProHealth

Baby safe water with 8-stages of purification with RO+SCMT technology.



ATF technology (All Time Fresh) (Only for ProPlanet P4 model) ensures purified water is fresh all time.



Alkaline Min-Tech technology ensures water in pH range of 7 to 8.5 and also it adds back essential minerals such as Calcium and Magnesium back to



Smart Display shows the ongoing 8-stages of purification, tank full, advance alert for filter change and auto flush.



Patented Side Stream RO membrane enhances the product performance to give "Highest water recovery among 100% RO water purifiers'



## Worry-Free Complete peace of mind with 1-year comprehensive warranty.



IAPMO-I WPSC-01:2019 standard covers Point of use (POU) products - AO Smith Green RO products ProPlanet P3 / ProPlanet P4 qualified for the highest water efficiency rating of 5 stars showing performance ≥ 50% recovery throughout the tested volume of 6000 litres, that tests minimum quality compliance, contaminant reduction and water efficiency rating (for

Reverse Osmosis technology).





Product colour and image may vary from the actual product. Part No.: 335300-020\_A Date: 24-07-2020

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

## **Function of indicators**



This indicates that the Water Purifier is switched ON.



This indicates flushing is in progress. Every time the water purification process is activated the auto flushing mechanism cleans the RO membrane. It enhances the life



ATF (All Time fresh) indicator FRESH (Only for ProPlanet P4 model) This indicates that the UV LED is on and the water is fresh all the time.



This indicator glows when there is a fault in the Water Purifier

# Filter change indicator

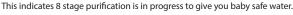
This indicates that the RO membrane, pre and post RO filters need to be replaced.

- Filter change indicator starts blinking indicating that the life of RO membrane, pre and post RO filters membrane is reaching its end time.
   When the life of RO membrane, pre and post RO filters reaches its end, Filter change indicator keeps on blinking and the unit stops functioning.



This indicates that the Water Purifier tank is full.

## Stage indicator 8 STAGE





This indicates the amount of water consumed. More the bar illuminates, more the consumption of baby safe water thereby indicating a healthy water consumption by your family.

## **Water Purifier** ProPlanet P3 / ProPlanet P4

# proplanet





## **User Manual**

# GoGreen indicator

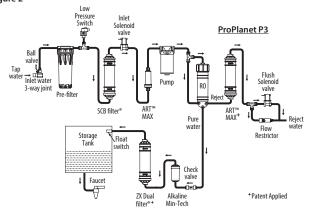
This indicates the amount of water saved in comparison with ordinary RO water purifiers. Full bar illumination indicates about 11 litres of savings thereby leading to 9000 litres of savings in a year\*.

\*Compared to an ordinary RO water purifier with recovery of 25%.

glows when ProHealth and GoGreen indicator bars meet. When you draw water, it rewards your significant contribution towards being ProHealth and ProPlanet

## Water flow

## Figure 2



Front Side Size: 420 mm (W) x 297 mm (H) Red Line Mark are for Folding. Not to be Printed

FRESH		
۱۲ (All Time fresh) indicator con blinks continuously (for roPlanet P4 model).	UV LED Error.	Switch OFF the Water Purifier and call Customer Care Centre.
	None of the above.	Call Customer Care Centre.
	Check if Filter change/ Error indicator is blinking.	Call Customer Care Centre for replacement of filters.
	Check whether tap/ ball valve is closed.	Open the tap/ball valve.
.ess/No purified water.	Check whether there is water supply in the tap.	lf not, take the help of a plumber to set it right.
	Check if the reject water tube is blocked.	Switch OFF the Water Purifier and Call Customer Care Centre.
.ess / No reject water.	Check if the reject water tube is bent.	Clear the bent in the reject water tube.
	Check if there is no water flow through reject line.	Switch OFF the Water Purifier and call Customer Care Centre.
	Has the raw water quality changed?	Call Customer Care Centre.
	RO membrane / filters may require replacement.	Call Customer Care Centre for RO membrane / filters replacement.
.hange 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.

ΙI

Call Customer Care Centre for RO membrane, pre and post RO filters replacement.	Mo membrane, pre and post RO filters life is about to end.	Filter Change icon blinks continuously and unit is functioning.	Filter Change for blinks continuously, Error icon glows continuously and unit is functioning.
Switch OFF the Water Purifier and call Customer Care Centre.	BTC error.	Flush icon blinks contin- uously.	Flush icon blinks and Error icon glows continuously.
Switch OFF the Water Purifier and call Customer Care Centre.	Battery Error.	Power ON, Flush and Tank Full icon blinks contin- uously.	Power ON, Flush, Tank full foon blinks contion blinks continuously and Error icon glows continuously.
Check feed water supply to the purifier, switch OFF the Water Purifier and call Customer Care Centre.	cow pressure alarm is triggered indicating that the system input water pressure is not in the required range.	Power ON icon blinks continuously	Power ON icon blinks and Error icon glows continuously
Switch OFF the water purifier and call Customer Care Centre.	Over flow alarm.	Tank Full icon blinks contin- uously	Tank Full icon blinks and ER- ROR icon glows continuously
noitulo2	(s)əsusə eldissoq	ProPlanet P4	Problems ProPlanet P3 lebom

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120 - 300 VAC, 50 Hz Diaphragm pump, 24VDC tor plastic parts Food safe, non-toxic, engineering grade plastics Material of construction Thin film composite RO membrane Membrane type Carbon block + SCMT) + UV LED Pre-filter + SCB filter\* + HRA" (Advance Recovery Technology\*\*) + Side Stream RO membrane + Alkaline Min-Techn S Gouble Protection Dual Filter\* + Post ProPlanet P4 Carbon block + SCMT) Pre-filter + SCB filter\* + HRA" (Advance Recovery Technology "") + Side Stream RO membrane + Alkaline Min-Techn XX - Bouble Protection Dual Filter\* + (Post Min-Technology) (TAKA) εςυμοιοάλ 8 Stage of Purifying ProPlanet P3 RO (Reverse Osmosis) + SCMT (Silver Charge Membrane Technology) + UV LED ProPlanet ProPlanet P3 RO (Reverse Osmosis) + SCMT (Silver Charge Membrane Purification 5 litres (approx.) Storage tank capacity Up to 15 litres per hour 16 kgs (approx.) Gross Weight 11.2 kgs (approx.) Met Weight Product Dimensions (H ) Wx \( \Omega \text{X} \) mm 085 x mm 732 x mm 034 A. O. Smith ProPlanet P3 / ProPlanet P4 RO IeboM Technical Specifications

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Figure 12\_

Figure 10

How to use

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	si fund bas not function- ing.	SW(
am OA A tsoq	Filter Change icon blinks continuously	3700
dissoq		

	H+H	
PO mer Dost BC	Filter Change icon blinks continuously and unit is not function- ing.	9
ldissoq		

onement Post RO filto	Filter Change icon blinks continuously and unit is not function- ing.
SO əldissoq	

Possible Cause(s) RO membrane, pre	Change
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RO membrane, post RO filters I	ter Change nt blinks d unit is t function- J.
Possible Cause	

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(e) esue Saldiseo (e)	

PO membrane, pre and post RO filters life ends	hange inks it is it is
Possible Cause(s)	

Possible Cause(s)  RO membrane, pre and	əbue
sost RO filters life ends.	tion- is ks

	Possible Cause(s)	Solutio
ou- sp) ede	RO membrane, pre ands. post RO filters life ends.	onitoh Purifiel Ostano Tor Ro Tor Son Bone Poplace



<95% (approx.) % Recovery\*\* •%09 of qU isq 0£ of isq 7 Pressure Rating\*\*\* ettsW 08 Power rating (Max)

τl

As per the warranty, all the filters, including RO membrane needs to be replaced when the Filter change indicator blinks (Refer Page S). This would be 1 year (approx.)

5° C to 45° C

isq 0£ of isq 7

UTN & of qU

Up to 500 ppm

Up to 2000 ppm

Recommended input feed water quality for the optimum performance of your

• As tested with input water TDS of 750ppm (NaCl), pH of 7.2  $\pm$  0.2, Water temperature of 27  $\pm$  2° C, Juriy less than 0.2 VIU, Feed Pressure of 15 psi.

\*\*\* If input pressure exceeds 30 psi, a pressure reducing valve needs to be installed at the feed line. If the pressure is lower than 7 psi, a booster pump needs to be installed. Ensure you buy them from A. O. Smith Company Authorised Service Technician.

\*\* Recovery and TDS rejection percentages also depend on variable factors such as life and condition of the membranes and filters, feed water pressure, feed water characteristics.

\* Flow rate depends on variable factors such as feed water pressure, feed water characteristics and condition of the membranes and filters.

2°C to 45°C

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assuming daily consumption of 10 Litres per day of purified water.

Recommended Feed Water Quality

Warranty details/recommended filter change:

Feed water temperature

Total Dissolved Solids (TDS)

ILOU

Turbidity

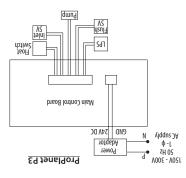
product

+ Patent Applied.

Input water temperature

A. O. Smith ProPlanet P3 / ProPlanet P4 RO

٥l

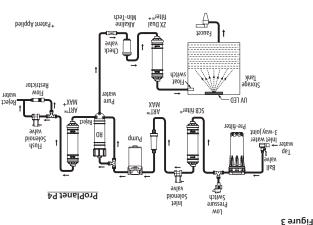


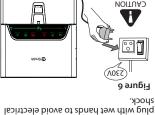
Possible Cause(s)

## Electrical Diagram

Figure 4

**Note:** It is recommended not to switch off the Water Purifier and/or turn off the water supply to the product when it is not been used for more than 24 hrs. The purifier has an in-built cleaning mechanism which cleans the RO membrane every 24 hrs. by flushing it. This feature protects the RO membrane and ensures longer life.





the product to the power supply only with the plug that is provided with the purifier. Do not pull out or touch power outlet. It is recommended to connect

Power plug must be used with a 230 V

A. O. Smith Company Authorised Service Technician. Do not open the purifier for cleaning the filters or for any part replacements. This must be done only by A. O. Smith Company Authorised Service Technician.

Product should be installed only by

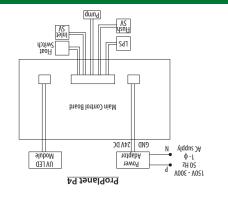
NOITUAD

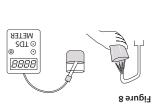
Even though this product is designed keeping highest safety standards in mind, there are certain Do's and Dont's which need to be followed while using this product. Electrical Safety

Figure 7

## Safety Precautions

Figure 5





1. Turn ON the water connection

rank, push and hold the water faucet

3. To dispense water from the storage

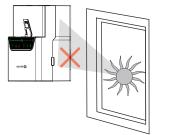
recommended feed water conditions are more than that prescribed in the before installation. Do not install the product if the TDS and Hardness are product if the TDS and Hardness Make sure that the feed water is tested



continuous water flow. To stop the water flow, pull down the water faucet lever. up the water faucet lever for the



Figure 11 press the power button of the purifier. Switch ON the power supply and



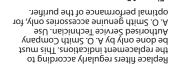
e gangithgilnus. Install the product away from direct



please call Customer Care Centre immediately. 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, Your A. O. Smith ProPlanet P3 / ProPlanet P4 RO Water Purifier may not function at its

## Troubleshooting





# Do not splash water directly or clean with benzene, pesticides, thinner, also be seek and cloth the perfection of the contract How to maintain your product

purifier for more than 2 days.

alcohol, etc. but use a soft, dry cloth to

 Make sure to discard the water from the storage tank if you have not used the Discard the first cycle of pure water, before you start using it for consumption.

Figure 14 clean the purifier.