



EUREKA FORBES Aquaguard Royale RO+UV+MTDS Water Purifier User Manual

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Eureka!

EUREKA FORBES Aquaguard Royale RO+UV+MTDS Water Purifier



WHAT IS AQUAGUARD

- Trust of 150 lakh+ mothers “
- Owned by 1.62 lakh+ doctors
- Service within 5 km range of wherever you are
- 21 different technologies to address 21 different water conditions across the country
- Tested / Certified by 130 leading national and international laboratories

THE POWER OF AQUAGUARDe ROYALE THE POWER OF AQUAGUARDe ROYALE ZPP

- The new Aquaguard• Royale inactivates and removes microbial contaminants from your water and gives you pure, sweet tasting water
- Aquaguard• Royale is tested and certified by AWRTC for the removal of disease-causing bacteria, viruses and protozoa-cysts along with other contaminants like pesticides, residual organic impurities, harmful heavy metals, arsenic and more, to give you water that is safe and healthy
- The Aquaguard• Royale comes with a multi-stage enhanced purification process. This ensures that the water you drink is absolutely pure and crystal clear
- To ensure good health to you and your family, Aquaguard• Paani Ka Doctor offers you a choice to select ideal technology, based on your input water quality

KNOW YOUR AQUAGUARD

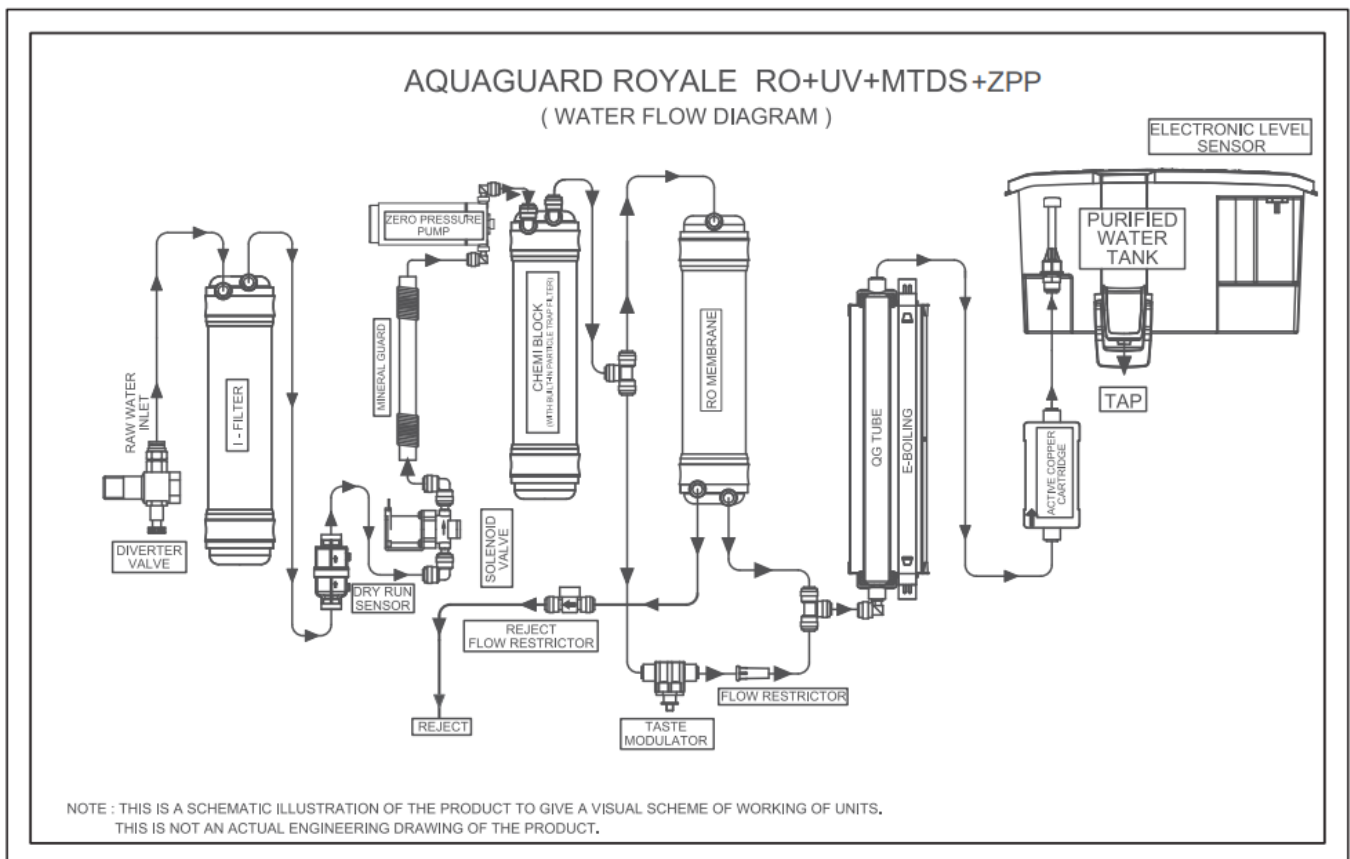
Make sure that your Aquaguard• Royale is installed by a trained Eureka Forbes Service Technician only.

1. Input water must be tested for Total Dissolved Solids (TDS) and Total Hardness.
2. Install your Aquaguard• Royale in a dry, ventilated place.
 - Keep it away from direct sunlight, heating devices or areas below freezing temperatures.
 - You can keep it on the kitchen counter or wall mount it.
3. Ensure that the input tap water temperature is in the range of 10•c. 40•c.
 - Avoid connection to a hot water tap as it can damage the filters.
4. Make sure that the tap pressure is not exceeding 3.0 kg/cm² in case of RO+UV+MTDS. If the input water pressure is more than the upper limit, installation of PRV- (Pressure Reducing Valve) is required.
5. Flush filters and membrane thoroughly and independently for 3-5 min to remove fine particles present in the filter. This should be done before the installation of the unit.

Input Water Quality Usage Limitations:

1. If the input water iron content is more than 0.3 mg/litre, use of iron remover” is recommended as a pre-treatment.
2. If the input water turbidity is more than NTU or compnses colloidal particles, use of a special filter” is required as a pre-filter.
3. Do not install the water purifier if the TDS is more than that prescribed in the technical specifications. *Available at an extra cost.





















HERE'S HOW AQUAGUARD9 ROYALE RO+UV+MTDS+ZPP WORKS



PURIFICATION PROCESS OF AQUAGUARD® PURIFICATION PROCESS OF AQUAGUARD®

Stage	Treatment	Material	Benefits
1.	Pre-Filter™	Multi-layered Polypropylene roving wound cartridge	Removes fine suspended particles such as dirt and sand from water.
2.	Chemi-block (with Built-in Particle Trap Filter™)	Dust-free Bacteriostatic Activated Carbon Block	Reduces excess chlorine, colour and organic impurities. Also absorbs bad taste and odour from the water.
3.	Mineral Guard™++	Micro-controller based Electronic Impulse Producer	Generates electronic impulses which prevent scaling / deposition of Calcium and Magnesium on the Quartz Glass tube of UV reflector chamber, thereby ensuring best UV penetration, through Quartz Glass into water column and at the same time keeping essential minerals like Calcium and Magnesium intact in water.
4.	Reverse Osmosis Cartridge	Thin Film Composite (TFC) Reverse Osmosis Membrane	Reduces TDS, hardness, pesticides and heavy metals like arsenic, lead and mercury. Eliminates micro-organisms like bacteria, viruses, protozoa and cysts.
5.	Active Copper™ Cartridge™	Bacteriostatic Taste Enhancer with Active Copper™ Technology	Copper has antimicrobial, antioxidant, and anti-inflammatory properties that help to support healthy metabolism. It also helps to provide the body with energy and is much needed for growth and development. The activated carbon removes organic components and polishes the water, giving it a sparkling look, making it pure and great to taste.
6.	UV Chamber	Germicidal UV Lamp	UV disinfects the water by eliminating waterborne disease-causing bacteria, viruses and protozoa, thereby making it safe to drink.
7.	TDS Regulator	Mechanical Systems	Adjusts the TDS of purified water to provide healthy water always

LED INDICATION CHART FOR AQUAGUARD~ROYALE RO+UV+MTDS+ ZPP

Parameters	LED Indication##	Royale RO + UV + MTDS
Power	All LEDs	   Red, Yellow & Green will glow one after the other for 1 sec. Then green will be solid for 5 secs
Purification Process	Tank Full	 Blink @ 0.5 sec for 6 secs
	Filter Alarm	 Off
	Service	 Off
Tank Filling Mode	Tank Full	 Blink @ 0.5 sec
Storage(Tank Full)	Tank Full	 Solid
UV Lamp Error	Service	 Solid
SV/Pump Error	Service	 Blink @ 0.5 sec
DRS	Service	 Blink @ 0.25 sec
EA Error	Tank Full	 Off
	Filter Alarm	 Blink @ 0.25 sec
	Service	 Blink @ 0.25 sec
Filter Life Warning (from 5400 litres to 6000 litres)	Tank Full	 Off
	Filter Alarm	 Blink @interval of 5 & 2 secs
	Service	 Solid
Filter Life Completed (unit seizes) after 6000 litres	Tank Full	 Off
	Filter Alarm	 Blink @interval of 0.5sec, unit seizes all functions
	Service	 Solid

**Tank Full, Filter Alarm and Service:
Refer LEDs aligned to these indication labels on the product.



AQUAGUARD® ROYALE RO+UV+MTDS ZPP TECHNICAL SPECIFICATIONS*

	Model			Aquaguard• Royale RO+UV+MTDS+ ZPP
PRODUCT SPECIFICATION				
1	Dimension in mm (WxDxH)	325 X 260 X 475		
2	Net Weight	6.5 kg (Approx.)		
3	Purification Technology	RO+UV+MTDS		
4	Tank Capacity	4.9 litres (Approx.)		
5	Standard Filtration Supplied	I-filter, Mineral Guard™, Chemi-block, Reverse Osmosis (RO) Membrane, UV a-boiling, Active Copper™ Cartridge		
ELECTRICAL SPECIFICATION				
6	Power Rating	45 Watts (Max.)		
7	Power Supply Input	230 ± 10 V, 50 Hz, Single phase		
8	Power Supply Output	External AC/DC Adaptor 24 VDC/2.5 A		
9	UV Lamp	11 Watts		
10	Operating Voltage Range	150 to 280 V AC , 50 Hz		
RECOMENDED INPUT WATER PARAMETERS				
11	Input Water Pressure (Max.)**	Up to 3 Kg/cm2		
12	Input Iron (Max.)	0.3 mg/Litre		
13	Chlorine Content (Max.)	0.2 mg/Litre		
14	Input Water Turbidity (Max.)	5 NTU		
15	Total Dissolved Solids (TDS)	Upto2000 PPM		
16	Water Temperature	10°cto40°c		

*Technical Specifications are subject to change without prior notice.

Note: The performance data presented in the table is applicable under standard laboratory conditions#. Actual performance may vary depending on the input water quality, water pressure and condition of filters. Input water quality/pressure/TDS are important determinants of recovery rate and rejection. **If the input water pressure is more than 3.0 kg/cm2, installation of a PRV (Pressure Reducing Valve)* is mandatory. These accessories are available at an extra cost.

Standard Tnt Conditions:

- Feed water Quality: TDS Max. : 1,000 mg/litres with NaCl,
- Pressure: 1.0 kg/cm2, Turbidity: Max. 1 NTU, Temperature: 25•c, Chlorline: below 0.2 mg/Hires, Iron: below 0.3 mg/litres
- Pressure on Membrane: 75 psi & Product recovery@ 25%

- Life:6000"Litres.

'Actual performance may vary based on the input water conditions• TDS, Hardness, Pressure, Temperature & pH

MAINTAINING YOUR AQUAGUARD®

- Fill the tank and disinfect the storage tank with a disinfection tablet
- Discard the first filling of the water from the storage tank
- Drain the water in the tank if it hasn't been used for over 48 hours
- Ensure that the capillary flow restrictor is checked and replaced (if required) by the authorised service technician, during the mandatory service or in-service call
- Ensure that the replacement of the consumable cartridges are done by a trained Eureka Forbes Service Technician, after approximately 6,000 litres of water usage or if choked

Consumable Cartridges	Average Service Life
i-Filter™	6,000' litres
Chami-Block	6,000' litres
RO Membrane	6,000' litres
Active Copper™ Cartridge	6,000' litres
UV Lamp	8,000 burning hrs. •

Note: Please refer standard test conditions' for filter life . As per UV lamp manufacture specification.

A QUICK CHECKLIST

Problems	Checkpoints	Solutions
Water tastes bad	<ol style="list-style-type: none"> 1. Is the tank clean? 2. Have you kept the purified water in the tank for too long? 3. Is it time to change the filter? 	<p>Clean the storage tank.</p> <p>Dispose off water and clean the tank.</p> <p>Call an authorised Eureka Forbes service technician.</p>
Less water has been purified	<ol style="list-style-type: none"> 1. Is the tap water valve closed? 2. Is the tap water pressure too low? 3. Filters may be clogged or damaged? 	<p>Open the tap water valve.</p> <p>If so, the amount of purified water will be reduced.</p> <p>Call an authorised Eureka Forbes service technician.</p>
Water doesn't flow into the storage tank	<ol style="list-style-type: none"> 1. Is there water available in the overhead tank? 2. Is the main water supply tap closed? 3. Not sure what is wrong? 	<p>Ensure the overhead tank is filled with water.</p> <p>Ensure the tap is open.</p> <p>Call an authorised Eureka Forbes service technician.</p>
Water is leaking	<ol style="list-style-type: none"> 1. Is water coming out of the top of the purifier? 	<p>Close the tap water valve, unplug the power cord and call an authorised Eureka Forbes service technician.</p>

CLEANING AND DISINFECTION OF WATER STORAGE TANK

Note: Storage Tank of this product must be periodically cleaned (at least once in every 30 days) by a disinfectant. Disinfection Tablets may be purchased from the Company Authorised Service Centre. Please follow the disinfection process strictly as per the instructions as provided in this User Manual. Switch OFF the water purifier from the main power supply. Open the top cover and push the tap lever UP, to drain the tank. Wipe the inside of the tank with a dry, clean soft cloth. Keep the top cover in place.

- Switch the power supply ON
- Let the storage tank get filled & then drop one disinfection tablet into the tank
- Keep the top cover in place & leave the unit for 30 min.
- After 30 min. open the tap & discard this and the first filling water completely
- Caution: Do not drink this water
- Now your unit is ready to use
- Please ensure that this disinfection process is carried out by the authorised installation person/service

technician during first installation and in every subsequent mandatory servicing of your product

IMPORTANT NOTE ON ZERO PRESSURE PUMP AND DRY RUN SENSOR

IMPORTANT NOTE ON ZERO PRESSURE PUMP AND DRY RUN SENSOR

Your Aquaguard0 is equipped with a unique pump having both suction and boosting capabilities and comes with specially designed DRS (Dry Run Sensor). Now, this enables your Aquaguard0 to work in the following operating conditions:-

- Normal Input Water Pressure – up to 3 Bar (max.)
- Low Water Pressure from Loft Tank.
- Zero water pressure
- Suction mode: Maximum 3 feet below product level

Product functioning at “Normal / Low and Zero water Pressure”:

- Ensure that the water flow from the tap into the product is always more than 1.5 LPM.
- In case there is no incoming water supply, the DRS detects unavailability of water and stops the unit from working to prevent dry running.
- As and when the water supply resumes, the DRS detects the availability of water and restarts the product. Meanwhile, the intelligent mechanism in your Aquaguard• will keep on checking the availability of water at regular defined intervals and make the product work as and when water supply resumes.

Note: In case you notice that water in the supply line resumes and product is in stand-mode, then please restart the product by switching OFF and ON the power supply.

Product Functioning with •suction Capability”:

- The ZPP in your Aquaguard0 also has the capability of suction of water from a 3 feet distance below the level of product i.e. it can pull water from a bucket/ container.

Note: It is not suitable for suction of water from underground storage tank, pump, open well, etc. where the water level is beyond 3 feet below the level of product.

- Whenever the water in the container/ bucket gets over and bucket gets empty, the DRS detects non-water availability and stops the product from functioning.

Note: When the water is refilled in the container/ bucket, the product should be restarted by switching Off and On the power supply.

- Prolonged use in loft tank mode/suction mode can impact the working of the pump, performance of the product, and life of filters. If the performance is not meeting the flow requirement due to low input pressure, then the use of an external booster pump is highly recommended.
- Do not re-circulate/re-use the rejected water (discharged by the product) back into the product.

WARRANTY TERMS AND CONDITIONS

1. The Products are warranted against manufacturing defects for a period of twelve (12) months from the date of original purchase.
2. The Customer will notify the Company in writing promptly of any defects noticed and give the Company or its

authorised agent adequate opportunity to inspect test and remedy them for which the Customer will deposit the goods at its own expense, if so, required by the Company with the Company's Office/Service Centre along with the original invoice in the city where they are sold.

3. The Inspection and Test Report of the company's office/service centre will be final and binding under the warranty for determining defects, repairs/alterations required or carried out or certifying work of the goods thereafter.
4. Aquaguard® may require initial setting, post-installation, depending on varying water conditions and power supply. In case of any service requirement, post-installation, please contact the company's service centre.
5. The company or its authorised agent will be entitled to retain any defective part replaced under the warranty.
6. Notwithstanding anything to the contrary contained or implied by this warranty:
 - The company's liability under this warranty shall be limited to the first sale of the goods by the company to the customer and will not apply or extend to any secondary sale of goods by the customer.
 - The company's liability under this warranty shall be limited only to defects in the goods which occur under the conditions of normal operation of the goods and their proper and prescribed use. The warranty does not cover or extend to defects which are determined by the company or its authorised agents as occurring or resulting from or attributable to negligence, abuse, misuse, faulty care, operation or maintenance or repairs, alterations to the goods or any part thereof by others or the use of the goods on electrical supply for which they are not designed, or damage caused by lightening or other electrical disturbances or interruptions, dismantling or re-installation at a different location.
 - The company's liability under this warranty shall remain valid only if the goods are duly installed by the company or its authorised agency at the location specified in the invoice and such installation is undertaken by the company or its authorised agent or franchise.
 - Consumable items mentioned in the consumables table are subject to normal wear and tear are not covered by this warranty. Please refer model specific components given in the user manual under the table 'consumable cartridges'.
 - Reverse Osmosis Membrane warranty is for a period of 1 year (or) 6,000 litres (whichever is earlier) from the date of installation, on the condition that the input water is as per the standard test conditions for RO variants (provided in the section 'Technical specifications table'), mentioned in the user manual. If the RO membrane gets clogged within warranty period, it will be cleaned/repaired/replaced free of charge as deemed fit by the company authorised service person/centre after inspection. (At applicable for RO models only.)
 - The customer will have no claim against the company, its employees and its authorised agents or franchise under or pursuant to this warranty in respect of death or injury to the customer or any other person or loss or damage to any property caused by or due to equipment failure, breakdown or accident, fire or operation or utilisation of the goods otherwise than in accordance with the user manual or by due to any other cause or circumstances beyond the control of the company.
 - The company's liability, under this warranty, shall in no event and under no circumstances exceed the price paid by the customer to the company for the goods stated in the invoice.

General


For the purpose of this warranty, the following expressions shall have the following meanings respectively:


1. The 'Goods' shall mean the goods described in the Order Form.
2. The 'Customer' shall mean the original purchaser of goods from the company.
3. The 'Company' shall mean EUREKA FORBES LIMITED.
4. Aquaguard® means and includes Aquaguard®, Aquaguard® Select and Sure from Aquaguard®.
5. 'General Terms & Conditions' shall mean the terms and conditions agreed upon by the customer and the company printed on the Order Form.
6. 'Invoice' shall mean the invoice issued by the company to the customer describing the goods and indicating, inter alia, the total purchase price thereof and name of the customer.
7. 'User Manual' shall mean the instructions for Installation, use and maintenance provided through QR code along with Product supplied by the company.
8. EFL reserves the right, in its absolute discretion, to change, alter or discontinue and alter the terms and conditions from time to time without any prior notice.
9. Any disputes are subject to Mumbai Jurisdiction only.

WARRANTY TERMS AND CONDITIONS

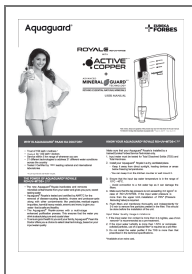
Post-warranty

1. The customer may be offered a yearly Service Contract at the prevailing company rates and terms.
2. In case the customer does not wish to enter the Service Contract, he/she has the option of calling the company's service centre having his Aquaguard® services on an actual basis, i.e., by paying the labour cost and spares needed to attend to that service/complaint call at the prevailing company rates. Such service will be rendered by the company in towns/places where the company has its service centres.
3. If during such servicing it is necessary for the company to replace or repair defective components or parts, the customer shall be required to pay for the same as per the company's prevailing price list.
4. Eureka Forbes limited reserves the right to offer annual maintenance contract/ensure availability of spares only up to 7 years from the date of invoice. *Conditions apply.

	<p>Environment Protection:</p> <p>'Protection' has always been our motto and guiding principle. We care for the environment. We urge you to recycle the packaging material or take it to the nearest recycling facility rather than dispose it off with the rest of your waste.</p> <p>Your product has been designed to work for many years, however, should you wish to upgrade or replace your old product, remember to help protect the environment by disposing it off at your local e-waste disposal centre. Should you have any queries, the nearest authorised service centre of Eureka Forbes will be able to guide you.</p> <p>Allow us to become your environmental partner; together we can make the world a cleaner place.</p>
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	<p>Health Protect™</p> <p>For your safety, the specially designed and electronically authenticated purification cartridges* of Aquaguard® ensure our promise of 'pure & healthy water or no water' always. In the unlikely usage of a 'non-genuine' purification cartridge* that could potentially deliver unsafe water - an indication light will draw your attention. For your complete protection, it even shuts down the purification process. Not just this, it also alerts you in advance when the Aquaguard® purification cartridges* are reaching the end of their usable life (6000 litres), so that you can contact the authorized Eureka Forbes Service Centre for your required 'genuine' purification cartridge* replacement.</p> <p>*i-Filter, Chemi-Block, RO Membrane, Active Copper™ Cartridge</p> <p><small>*Not including premature choking of the purification cartridges due to poor water conditions. vis. silt etc.</small></p>
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Documents / Resources



[EUREKA FORBES Aquaguard Royale RO+UV+MTDS Water Purifier](#) [pdf] User Manual
Aquaguard Royale, RO UV MTDS Water Purifier, Aquaguard Royale RO UV MTDS Water Purifier