

# Aquaguard®

— WITH —

ACTIVE  
**COPPER**  **ZINC**™\*#  
BOOSTER



**CREST UV**

**USER MANUAL**

\*Copper and Zinc Infusion in adherence to IS 10500:2012 Drinking water specification (Acceptable limit). \*Double Goodness implies the Goodness of copper and Zinc as compared to earlier products of Aquaguard with only Copper.

# PREREQUISITES FOR INSTALLATION

Product installation should be done only by a trained Eureka Forbes Service Technician only.

1. Input water must be tested for Total Dissolved Solids (TDS) and Total Hardness
  - Install the product in a dry ventilated place. Keep it away from direct sunlight, heating devices or areas below 10°C.
  - The purifier should be placed in area which is free of ants/insects/other pests.
  - Ensure that the input tap water temperature is in the range of 10° - 40°C. Avoid installation to a hot water tap as it can damage the filters.
2. The input water pressure to your water purifier should be within the recommended range (refer variant specific technical specifications table). If the input water pressure is more than specified, installation of a PRV (Pressure Regulating Valve)\*\* is mandatory. If the input water pressure is less than specified, installation of an external booster pump\*\* is recommended.
3. Ensure that the filters are flushed thoroughly and independently for 3-5 minutes to remove fine particles present in the filter, before the installation of the unit.
4. After installation, run the purifier for 5-10 minutes and drain the water.

## **Input water quality usage limitations:**

1. If the input water iron content is more than that prescribed in the technical specifications, use of an iron remover\*\* is recommended as a pre-treatment.
2. If the input water turbidity is more than that prescribed in the technical specifications or comprises colloidal particles, use of a special filter\*\* is required as a pre-filter.
3. If the input water TDS is more than 1,000 ppm (mg/L) or input water hardness is more than 300 ppm (mg/L), use of a Membrane life enhancer\*\* is recommended (applicable only for RO variants).
4. Do not install the water purifier if the TDS is more than that prescribed in the technical specifications.

\*\*Available at an extra cost.

# THE PROCESS OF PURIFICATION (For UV Variant)

Stage	Treatment	Materials	Benefits
1	Sediment filter	Multi-layered Polypropylene spun cartridge over the carbon block	Removes suspended particles such as dirt, dust, mud and sand from water. It removes very fine turbidity from the water
2	Chemi-block™	Dust-free Bacteriostatic Activated Carbon block filter cartridge as a core	Adsorbs colour, odour, excess chlorine & organic impurities from the incoming water. Its unique Particle Trap Filter entraps any released micro particles.
3	Mineral Guard™	Microcontroller-based electronic impulse producer	Generates electronic impulses which prevent scaling / deposition of Calcium and Magnesium on the Quartz Glass tube of the UV reflector chamber, thereby ensuring best UV Penetration through Quartz Glass into the water column and at the same time keeping essential minerals like Calcium and Magnesium intact in water
4	UV e-boiling™	Germicidal UV Lamp	UV disinfects the water by eliminating waterborne disease-causing bacteria, viruses & protozoa, thereby making it safe to drink.
5	Active Copper™ with Zinc Booster Cartridge*	A patented bacteriostatic taste enhancer with double goodness of Active Copper™ and Zinc Technology	Copper and Zinc are known to have 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. Zinc also has a major role in the immune system. The activated carbon removes organic components and polishes the water, giving it a sparkling look, making it pure and great to taste. *Copper and Zinc Infusion in adherence to IS 10500:2012 Drinking water specification (Acceptable limit)
6	Biotron™ cartridge	Mineral Magnet cartridge - Patented multiple magnetic field (MMF) generating device	Breaks complex water molecules into fine micro-clusters, making water more bio-permeable, so that your body can easily absorb the goodness of water, along with its much needed nutrients.

# TECHNICAL SPECIFICATIONS\*

#	TECHNICAL PARAMETER	SPECIFICATION
	Model	AQUAGUARD® CREST UV
<b>PRODUCT SPECIFICATION</b>		
1	Dimension (W X D X H)	315 mm X 185 mm X 425 mm (Approx.)
2	Net weight	3.5 kg (Approx.)
3	Purification Technology	UV
4	Standard Purification supplied	Combination cartridge (sediment + Carbon), Mineral guard™, Active Copper™ with Zinc Booster Cartridge, UV- E-boiling™, Biotron™ Cartridge
<b>ELECTRICAL SPECIFICATIONS</b>		
1	Power Rating	20 Watts (Max.)
2	Power Supply	Input 230V AC, 50Hz./Output (AC/DC Adaptor) 12V DC, 1.7 A
3	UV LAMP	11 Watts
4	UV Lamp life	8000 burning hours (as per UV lamp manufacturer spec.)
5	Operating Voltage Range	150 to 280 V AC, 50 Hz
<b>RECOMMENDED INPUT WATER PARAMETERS</b>		
1	Input water pressure range**	0.3 to 2 kg/cm <sup>2</sup>
2	Input Iron content (Max.)	0.3 mg/L
3	Input Chlorine content (Max.)	0.2 mg/L
4	Input water turbidity (Max.)	5 NTU
5	Total Dissolved Solids (TDS)	Up to 200 mg/L
6	Input Water Temperature range	10°C to 40°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.

\*\*If the pressure is higher than the maximum specified, use of a pressure reducing valve is mandatory, If the pressure is lower than minimum specified, use an external booster pump recommended. The above accessories are available with our company at an additional cost.

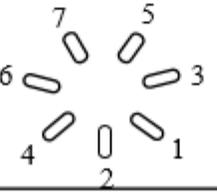
**Warranty Void if the product is not installed as per recommendations.**

**\*Standard Test Conditions:**

Feed Water Quality: TDS Max: 200 mg/L  
 Pressure: 1 kg/cm<sup>2</sup>, Turbidity: 1 NTU (Max.), Temperature: 25°C,  
 Chlorine: below 0.2 mg/L, Iron: below 0.3 mg/L  
 Life: 6000# Liters

\* Actual performance may vary based on input water conditions – Turbidity & Pressure.

# FUNCTION OF INDICATORS – LED DISPLAY

Sr. No	Indication of the Unit	Functions	Sr. No	Indication of the Unit	Functions
1		Fit the adaptor into the socket and switch ON the mains. The 3 Blue LEDs 2,3,6 will glow for 5 seconds indicating that power is ON.	5	All LED's blink with buzzer /faults	If all the LEDs blink with buzzer beeps, it indicates SV/Pump fault/ LDR/UV lamp fault. In case of UV/LDR fault buzzer beeps once every 3 seconds. In case of SV/Pump fault buzzer beeps twice every 3 seconds.
2		After 5 Seconds the LEDs will go OFF one by one, rotating clockwise and will continue for 30 seconds, indicating the unit is processing	6		If the filter end of life is nearing or if filter is exhausted, LED 2,3,6 is solid. Respective filter cartridge which has reached end of life with blink. Combination cartridge is represented by LED 5, and for Active copper with zinc booster by LED 1. <b>First Warning:</b> Blinks once every 3 seconds <b>Second Warning:</b> Blinks twice every 3 seconds. <b>End of Life:</b> Blinks thrice every 3 seconds. Unit seized at End of Life.
3		Once the processing is complete, all LEDs lights will become solid-fixed, indicating the readiness to dispense water	7		During installation and when the unit has not been used for 2-3 weeks, the water inside the unit has to be flushed out. To activate flushing touch and hold the center area of the LED of 10 seconds. Flushing will start (indicated by the anti-clockwise rotation of the LED) and stop after the stipulated time. In case you wish to stop the flushing, retouch the center area of LED  CAUTION : DO NOT DRINK THE WATER WHICH COMES OUT OF THE FLUSHING MODE
4		If the unit is not used for a stipulated time, it will be proceeding to a standby mode which is indicated by a single solid LED indication. To collect water just touch the center area of LED indication	 <p>Note : Refer the LED numbers assigned for each LED to understand the indication chart</p>		
 Turn OFF the main switch and the water supply if you do not plan to use the unit for 3 – 4 hours or more.					

# LIFE OF CONSUMABLE CARTRIDGES

Consumable Components	Average Service Life
Combination Cartridge (Sed + Chemi filter)	6,000 <sup>#</sup> litres
UV Lamp	8,000 burning hrs*
Active Copper <sup>TM</sup> with Zinc Booster Cartridge	6,000 <sup>#</sup> litres
Biotron <sup>TM</sup> Cartridge	6,000 <sup>#</sup> litres

Note: Please refer Standard Test Conditions<sup>#</sup> for filter life.

\*As per manufacturer's spec.

# WARRANTY TERMS & 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 authorized 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 authorized 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:
  - a) 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.
  - b) 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 authorized 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.
  - c) The company's liability under this warranty shall remain valid only if the goods are duly installed by the company or its authorized agency at the location specified in the invoice and such installation is undertaken by the company or its authorized agent or franchisee.
  - d) 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".
  - e) 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 authorized service person/centre after inspection. (At applicable for RO models only.)
  - f) The customer will have no claim against the company, its employees and its authorized agents or franchisees 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 utilization 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.

# WARRANTY TERMS & CONDITIONS\*

g) 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.

## 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 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.



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