

WATER SOFTENER
Automatic Water Softener
Model VAS03

Quotation





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The all-new **V Aqua Water Softener** is an advanced, fully automatic water conditioning system designed to deliver superior performance, ease of use, and consistently high-quality softened water for every household. Engineered with precision, it ensures a seamless user experience while enhancing the overall comfort and efficiency of daily water usage.

The primary role of the **V Aqua Water Softener** is to transform hard water into soft, conditioned water—improving bathing comfort, protecting your skin and hair, and enhancing the results of washing, cleaning, and laundry. By preventing scale formation, scum buildup, and mineral deposits, it safeguards your home appliances, bathroom fittings, and plumbing lines from long-term damage.

This premium softening system is built using key components such as a fully automatic control valve, high-grade softener resin, a durable media vessel, and a dedicated salt storage tank. Designed for hassle-free installation, the V Aqua Water Softener integrates smoothly with the existing plumbing and electrical setup of any home or commercial space.

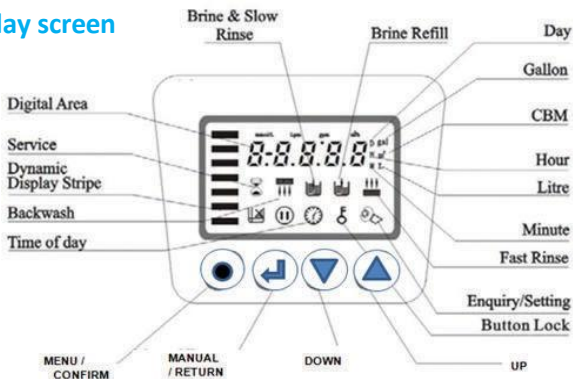
One of its standout features is the long-lasting, food-grade softener resin developed specifically for V Aqua. Its distinct color ensures authenticity and prevents the use of low-quality or harmful substitute media during replacement cycles.

Reliable, robust, and user-friendly, the **V Aqua Water Softener** guarantees a continuous supply of safe, soft, and conditioned water—bringing protection, comfort, and convenience to your everyday life.



KNOW YOUR V AQUA WATER SOFTENER

1. The display screen




The above display screen communicates the status of the SOFTENER.

The SOFTENER process stages such as Service, Backwash, Brine, Slow Rinse, Fast Rinse and Brine refill are indicated with appropriate icons as shown above.

Most of the key pads are for the service technician to input data on site situation such as hardness of water, water consumption etc.

The user's keys are limited and to be explained by the technician while installing.

The indications for the users to understand is as follows

 This barograph icon indicates that the auto valve is in service mode or softening mode.



After some time, the valve will display the following in sequence:

- a. Remaining output of the softener
- b. Flow rate of treated water
- c. Real time
- d. Regeneration trigger time

2. How to manually recharge the softener?

The option of manual regeneration is also available. This forced regeneration is recommended under following conditions

1. Power failure during auto recharging (If you have doubts of an incomplete recharging)
2. Unit is stagnant for more than one month or you don't get the quality of water.

3. Steps to recharge the softener

- For recharging always use white, clear and commercial grade/khadi salt (common salt) or tablet salt.
- Kindly get advice from the technician about when to refill the brine tank. (This advice is based on your raw water hardness, water consumption and the SOFTENER model).
- Ensure to fill at least 100 -120 kg of salt every time.
- To fill the salt: Open the brine tank top lid. Pour the salt inside the



brine tank surrounding the brine well. (Refer component identification diagram).

- Ensure that the salt is not spilled inside the brine well.

4. Be Aware

- Based on the set program by days or volume base delay program by the technician during installation, the auto softener recharges on that midnight using the treated water.
- Ensure that treated water tank is completely filled with soft water around midnight for the scheduled recharging.
- Ensure the main switch of auto valve is always ON.
- Ensure the switch of the relay box is also ON.
- Salt level – Ensure the salt level in the brine tank is as per advice.
- The auto valve saves the set data for up to 3 days without power. When there is no main power continuously for 3 days or more, a ‘12:12’ flash may occur on display screen – This is to remind to reset the real time – Ask for service help.



PROCESS AND FEATURES

Principle of Working

1. The softener converts the hard water into soft water with the process of ion exchange.
2. In the softening cycle the softener resin media exchanges the hard ions of calcium and magnesium for sodium ions.
3. When the softener resin is exhausted the auto valve recharges the resin media (The output given by your softener depends on the hardness of the raw water and your softener model).
4. In the Recharge cycle, salt water (brine) is prepared and sent (injected) to the media for recharging.
5. In the Recharge process the hard ions are released in exchange for sodium ions from the brine.
6. The recharged softener resin again delivers soft water.
7. The automatic valve facilitates the changes in porting internally and directs the water based on the program.



Process Cycles

1. **Softening cycle** converts hard water to soft water.
2. **Backwash cycle** cleans the SOFTENER media completely of mud and debris that comes from inlet water during service.
3. In the **Brine injection cycle** the SOFTENER will be recharged with common salt.
4. A **slow rinse** ensures efficient charging of softening media.
5. **Fill cycle** fills water in brine tank to prepare brine for next recharge.
6. **Fast rinse** cycle ensures that the SOFTENER is cleared of all salts and set for softening once again.

The Service cycle durations depend on the raw water hardness, daily consumption and the softener model.

The Backwash, Injection, Slow Rinse, Fast Rinse and Fill cycles are termed as the recharge cycle.

For model VAS03 the total recharge time is around 112 minutes.

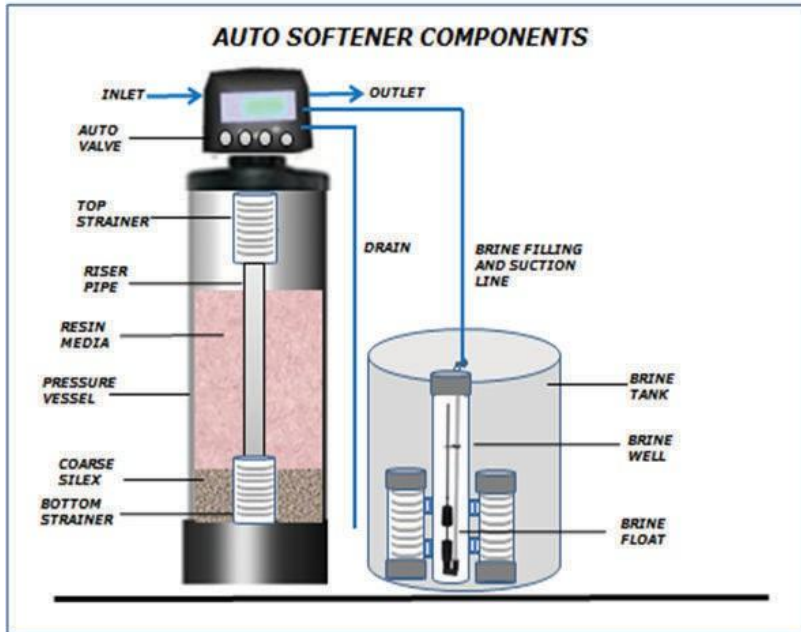


SPECIAL FEATURES

- A robust and reliable 6 stage fully automatic valve.
- Corrosion proof resin and salt tanks for longer life.
- User-friendly auto valve screen shows process stages and output alerts.
- Built-in no hard water bypass valve (NHBV) during recharging (Most softeners do not have a NHBV or have externally).
- An auto linked additional low power pump for recharging at night. (Other brand companies, do not provide raw water pump. The customer then uses his pump, causing huge power consumption for almost 110 minutes.
- Food grade tamperproof softening resin – colored resin to classify (Most softeners use industrial grade resin – unsafe for consumption).
- Elegant styled softener vessel body.



COMPONENT IDENTIFICATION





TECHNICAL SPECIFICATIONS

Model No.	WS-1354-3D
Type	Fully Automatic Water Softener
Softener Tank Size	13" Dia 54" Height FRP Tank
Resin Quantity	100 Litres
Resin Type	Ion Exchange Resin (Cation Resin) Na 220
Valve Type	Softener (Fully Automatic Multiport Valve)
Flow Rate	3000 LPH
Operating Pressure	2.5 - 6.0 kg/cm
Salt Tank	50 Litres
Salt Required per Regeneration	16 kg / Regeneration
Inlet Water Hardness	150 PPM
Inlet/Outlet/Drain Size	1" BSPM
Regeneration Type	Automatic
OBR (Output Between Regeneration)	33000





COMMERCIAL TERMS & CONDITIONS

Modal	Brand	Amount
Cost of Softener 1354 (Fully-Automatic)	V AQUA	45,000
Cost of Softener 1354 (Semi-Automatic)	V AQUA	35,000
GST 18%		Extra
FREIGHT & TRANSPORTATION		Include
Installation		Free (Pan India)
Plumbing Material		Customer Scope



START UP OF THE SOFTENER

1. Ensure that the softener is installed by the authorized service technician as per recommended procedures for softener assembly and auto valv programming.
2. Ensure that sufficient inlet water supply and pressure is available as specified.
3. Ensure correct voltage- the softener requires a 230VAC, 50Hz supply.
4. Please check that the required amount of salt is filled in the brine tank.
5. Switch “ON” the power supply of auto valve and relay box of regeneration pump. Service bar graph icon and remaining capacity of treated water will become  active. This indicates that the auto valve is in service mode.
6. Now Switch “ON” the power supply of service pump. (Pump used for raw water).
 - a. Treated water tank starts getting filled up with soft water. After activation of he above icon, the flow rate of the treated water will be displayed, but when service pump is “OFF” t he flow rate of the treated water will not be displayed.
 - b. As the treated water tank gets filled up, switch “OFF” the service pump. (If service pump is operated manually. In case of Auto tank level controllers, raw water pump will shut off automatically.)
 - c. As per the programmed schedule of regeneration (Based on Hardness of raw water and consumption), the regeneration of the softener will be carried out at night 2:00 AM automatically. The regeneration pump will be active only during regeneration cycle.
 - d. Option of manual regeneration button  is also available. The switch for manual regeneration is provided on the auto valve.





DO'S AND DON'TS

Do's

- Ensure that the product is installed inside the building or a shed.
- As per the schedule please insure that the brine tank is filled with salt.
- For recharging, use clean and white Khadi salt.
- Always use genuine spares and resin media (Purple colored resin media).
- Keep an 'Air gap' between drain line and drainage sump.
- On power outage for more than 3 days or more, a 12:12 flash may occur on the valve screen. Recharge set time (midnight) will be offset if the real time is not corrected – Correct the real time settings.

Don'ts

- Install the softener in direct sunlight.
- Switch "ON" the raw water pump when regeneration is in progress.
- Do not install on freezing temperatures or water over 40Deg.centigrade
- Ensure a nearby drain for the softener and do not land the drain line in the drain sump – keep an air gap



UNPACKING CHECK LIST

- Automatic valve with top strainer and fittings
- Brine tank with float valve and brine well assembly
- Riser pipe with bottom strainer
- Softener vessel
- Resin bags
- Coarse Silex bag

WARRANTY CARD

(To be filled in by the sales representative and retained by the customer for reference)

Unit Serial No. : Model : **V AQUA SOFTENER, Model VAS03**
Invoice No. : Product Serial No. :
Dated : Date of Expiry of Warranty :
Customer's Name and Address :
.....
Tel.(Resi.) : (Off.) :
Fax No. : Email ID :

Customer's Signature :

(I accept the terms and conditions warranty)

Company's Stamp & Signature

WARRANTY INFORMATION CARD

Please preserve this warranty information card and ensure that this is duly stamped and signed by the Company Official / Authorized Dealer / Authorized Retailer of Ion Exchange (India) Limited. ZeroB Product is warranted throughout India only by Ion Exchange (India) Limited (herein referred to as the company) as per the conditions printed herein.

TERMS & CONDITIONS OF WARRANTY:

We hereby warrant that the unit / equipment shall be free from defective material and faulty workmanship, subject to the following clauses:

Our liability in respect of any defect or failure of any equipment supplied by us or any loss, injury or damage attributable thereto is limited to making good by way of replacement or rectification, defects which show up under proper use, provided the equipment is operated and maintained strictly in accordance with our instructions and arise entirely from proven faulty design, material or workmanship, within a period of 12 months from the date of commissioning of equipment. At the end of this period all our liabilities will cease under this warranty. We shall have the right to make any replacement of spares or repairs that is required at site. In case of replacement, buyer shall return the replaced part / component to us immediately / on repair completion.

The warranty period on the replaced / repaired part will be limited to the remaining, unexpired portion of the total warranty period. Electrical components are covered under this warranty.

When equipment is ready to be dispatched but cannot be dispatched due to reasons attributable to the buyers, the warranty period will be 12 months from the date of readiness for dispatch as notified by us in writing.

No other party or agency may carry out replacements or repairs unless authorized by us in writing.

If a part / component are to be replaced or repaired under this warranty, there will be no charge for the replacement. However, the travel and conveyance as well as boarding & lodging expenses incurred by our representative reputed for his work will be charged to the buyer at actual.

This warranty does not cover replacement / repairs required as a result of normal wear & tear, accidents or damages / defects caused by misuse / maloperation of the equipment by the buyer.

Ion Exchange (India) Limited shall be excused from any delay or failure in performance required hereunder if caused by reason of any occurrence or contingency beyond its reasonable control, including, but not limited to, acts of God, acts of war, fire, laws, proclamations, edicts, ordinances or regulations, riots, earthquakes, floods, explosions or other acts of nature. The obligations and rights of the party so excused shall be extended on a day-to-day basis for the time period equal to the period of such excusable interruption.

Consumable such as filters / cartridge would be on chargeable basis.

Warranty is applicable in standard rated water conditions only.

This warranty is void if:-

(a) The unit/ equipment is put to wrong use / application (b) The unit/ equipment installed / commissioned by any person / agency not authorized by us. (c) The unit is not installed / operated / maintained as per instructions given in our operation manual and / or those given by our authorized representative. (d) The operating conditions and influent water quality are other than those for which the unit / equipment was supplied. (e) The agreed / contract price and installation charges, if any, has to be paid to us / our dealer / our retailer.

Payment Terms

An advance payment of 50% of the total order value shall be required upon confirmation of the Purchase Order. A further 40% payment will be due at the time of material dispatch. The remaining 10% shall be payable after successful installation and commissioning of the supplied system. Payments may be made via Cash, Wire Transfer, or Cheque.

We trust that the above details will support your evaluation of our proposal. Should you require any clarification or further information, please feel free to contact us. We appreciate your time and consideration and reaffirm our commitment to delivering high-quality products and services.

Beneficiary Account Details

Beneficiary Name: V AQUA WATER TREATMENT COMPANY
Account Number: 8052160963
Bank Name: KOTAK MAHINDRA BANK
IFSC Code: KKBK0004618
Branch Address: Plot No-89, Behind Apollo Hospital, Pocket-1, Jasola Vihar, New Delhi, Delhi-110025

Declaration

We hereby confirm that all materials and equipment will comply with client specifications and relevant quality standards.

Kind Regards,

Sandeep Kumar Jha

Mob: 7827654995/9560654995

Email: sales@vaqua.in / info@roservicepoint.com

V AQUA Water Treatment Company, is a leading name in the water treatment industry, providing advanced and reliable solutions for clean and safe water. With years of expertise, the company specializes in designing, manufacturing, and supplying a wide range of water treatment systems, including RO Plants, Industrial and Commercial RO Systems, Water Softeners, Ultrafiltration (UF) Systems, Sewage Treatment Plants (STP), and Effluent Treatment Plants (ETP).

Known for its strong commitment to quality, innovation, and customer satisfaction, V AQUA ensures that every product is built with precision and cutting-edge technology. Whether it is for domestic, industrial, or commercial applications, the company offers customized water treatment solutions to meet diverse needs.

Headquartered in Delhi/NCR, V AQUA has established itself as a trusted manufacturer and supplier across India, serving clients in multiple sectors such as manufacturing, pharmaceuticals, hospitality, and residential projects. Their automatic and semi-automatic systems are highly efficient, cost-effective, and easy to operate, making them a preferred choice among industries and households alike.

With the mission to deliver pure water for a healthier tomorrow, V AQUA Water Treatment Company continues to expand its reach while maintaining high standards of service and trust.



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