

FORBES

Healthier is Happier



ENHANCE GREEN RO
Water Purifier

USER MANUAL

Fresh & Safe Water

Dear Customer,

Thank you for welcoming Forbes into your home!

Your new Forbes Enhance RO, promises to not just enhance the quality of your water, but also your life. Because Forbes constantly monitors the quality of your water ensuring that it is safe and healthy.

Hard water isn't universally the same, which is why we've created the perfect RO water purifier.

The Total Dissolved Solids (TDS) level in water varies in different regions across the world. Which is why you need an RO purifier that understands your water, and removes the right amount of excess salts.

For more information on your new Forbes Enhance Water Purifier, please go through this user manual. Should you have any further questions, do visit www.forbeslux.com

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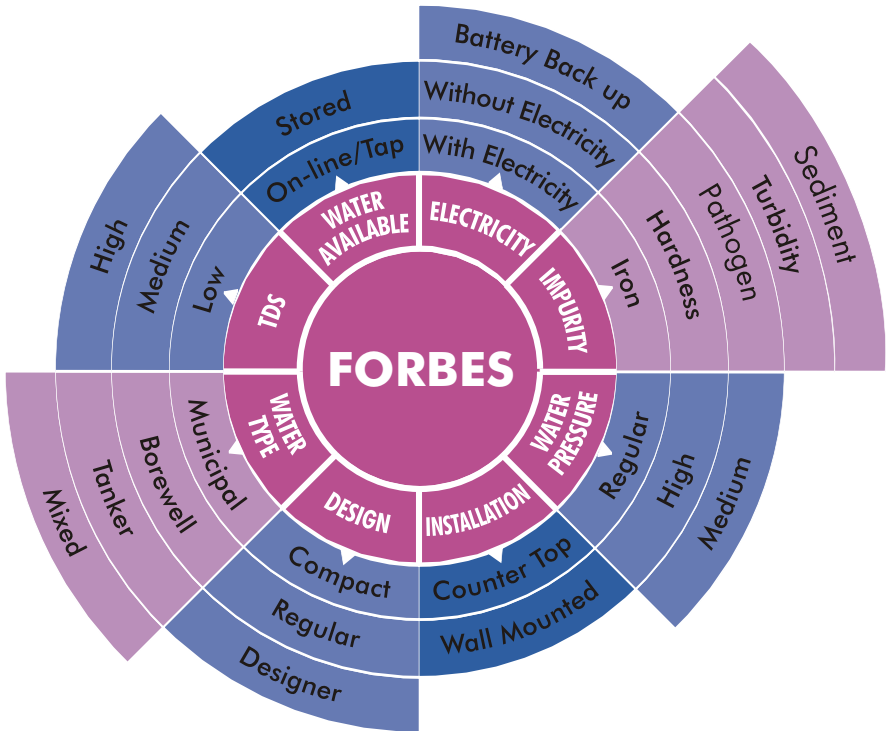


Why Forbes?

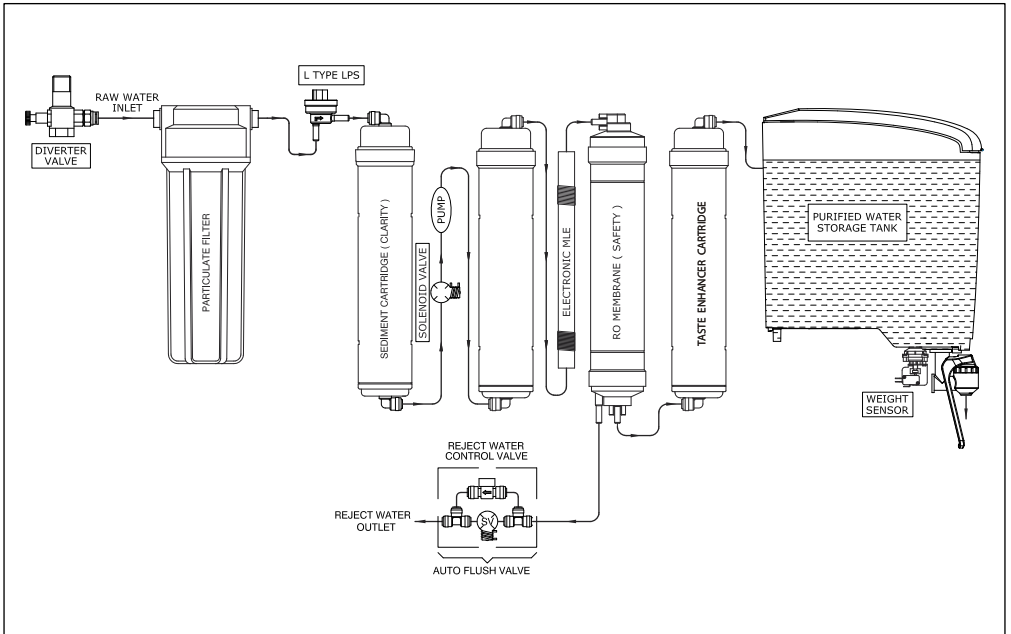
Only Forbes has:

- 7 technologies that cure 17 water problems
- Over 29 years of experience
- Backing of 105 water testing labs worldwide
- Technology equipped to purify borewell, mixed, tanker, stored and tap water
- The trust of 8 million families across the world
- Guranteed purity in every drop

Why Forbes?



Know your Forbes Enhance



Know Your Forbes Enhance

Front



Protective and durable top water

Strong and attractive body

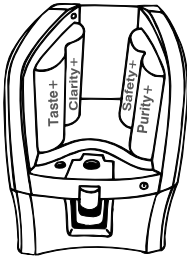
Transparent purified water storage tank

Automatic Water Level Sensor

Power / Process Indicator

Dual flow tap

Inside



1. Clarity Cartridge

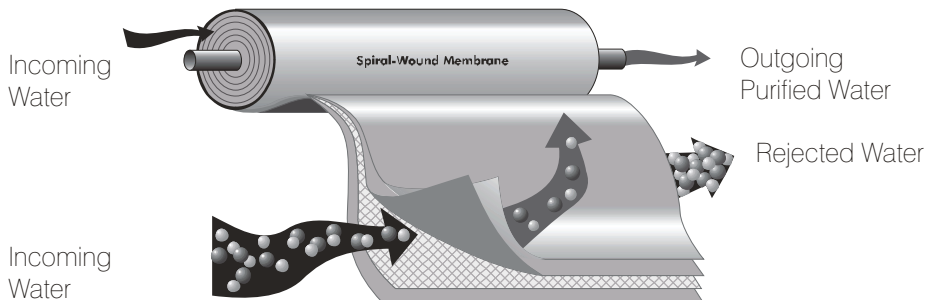
2. Chemi Block

3. Reverse Osmosis Membrane

4. Taste Enhancer Cartridge

The Unique RO Process

Your Forbes Enhance is equipped with a multi-stage unique Reverse Osmosis purification process, to give you pure, fresh water. Reverse Osmosis is a membrane filtration process in which the water is passed under high pressure through an advanced Thin Film Composite (TFC) Membrane, with a 0.0001 micron pore size. The output of the membrane is purified water, free from micro-organisms and with reduced Total Dissolved Solids.



Advantages of the Thin Film Composite Membrane.

1. High resistance to bacteria
2. Wide pH range tolerance
3. Good salt rejection
4. Good temperature tolerance
5. Good pressure withstanding capacity

Here's how your Forbes Enhance works

The multi-stage Reverse Osmosis purification process in your Forbes Enhance

| Stage | Treatment | Material | Benefits |
|-------|--|---|--|
| 1. | Particulate Filter | Polypropylene | Removes large visible impurities |
| 2. | Clarity Cartridge | Polypropylene / Meltblown | Removes finer suspended particles such as dirt and sand from water. |
| 3. | Chemi Block | Bacteriostatic Granular Activated Carbon | Reduces excess chlorine and organic impurities. Also absorbs bad taste and odour from the water. |
| 4. | Electronic Membrane Life Enhancer (EMLE) | Prevent scaling of dissolved salts like calcium and magnesium, thus enhancing the membrane life | Prevent scaling of dissolved salts like calcium and magnesium, thus enhancing the membrane life and improving water flow |
| 5. | 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, virus, protozoa and cysts. |
| 6. | Taste Enhance Cartridge | Bacteriostatic Taste Enhancer | Removes residual organic impurities and enhances the original taste of water. The carbon granules polish the water, giving it a sparkling look, making it pure and great to taste. |

Here's what makes your Forbes Enhance unique



Electronic Membrane Life Enhancer - EMLE

Prevent scaling of dissolved salts like calcium and magnesium, thus enhancing the membrane life and improving water flow.



Enhanced Booster Pump

Drives the water through the membrane with high pressure, ensuring constant flow of water.



Automatic Water Level Sensor

The Automatic Water Level Sensor controls the water level inside the tank automatically and shuts off the pump to avoid overflow when the storage tank is full. Automatically resumes filtration when the water level in the purifier goes down.



Dual Flow Tap

Two-way tap to control the flow of purified water.



Tamper-proof Reject Water Valve

Ensuring a continuous and steady flow of rejected water, which helps in cleaning the membrane surface. The rejected water can be collected and reused.



Large Storage Capacity

Comes with ample storage capacity.



No Dry Running of Pump

Saves dry running of pump by shutting it off automatically if there is no input water



Enhanced Filtration

Particulate Filter and Clarity Cartridge provide depth filtration ensuring crystal clear water and protection for the membrane.



Enhanced Taste

The special carbon cartridge removes residual organic impurities and revives the original taste of water. The carbon granules polish the water, giving it a sparkling look, making it pure and great to taste.



Enhanced Protection

It eliminates tough new-age dreaded contaminants like lead, pesticides and heavy metals from water.

Installing your Forbes Enhance

Make sure that your Forbes Enhance is installed by a trained Forbes Service Technician only



1. Input water must be tested for Total Dissolved Solids (TDS).



2. Install your Forbes Enhance 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 on a special wall-mounted stand.*



3. Connect only to a cold water tap.
 - Filters can be damaged if connected to a hot water tap. Ensure the input water temperature is in the range of 5°C - 45°C.
 - Make sure that the tap water pressure is between 0.6 and 2.0 kg/cm square.
 - The proportion of purified and reject water flow is preset at 1:3.



4. Flush filter and membrane thoroughly.
 - This must be done prior to collecting the water in the storage tank.



5. Make sure that the reject water hose is placed lower than the top of the purifier.
 - If not, water might flow back into the purifier.
 - Make sure that the purifier is installed within a distance of 1.0 m from the tap water supply.
 - Make sure that you connect it to a 230 V power outlet.
 - Do not install the purifier in a place where water or rain could leak into it.

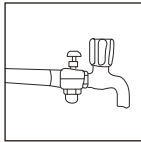
Note: If the input water pressure is more than 2kg/cm square, installation of PRV*(Pressure Reducing Valve) is required.

* Available at extra cost1.

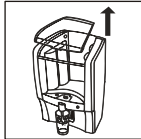
Maintaining your Forbes Enhance

- After installation, fill the tank and discard the first filling of the water from the storage tank
- Do not place any heavy or sharp objects on the purifier
- Drain the water in the tank if it hasn't been used for over 2 days
- Ensure the replacement of the Clarity Cartridge and membrane after approximately 6,000 litres of water usage (if choked)
- Ensure replacement of the Organic Remover Cartridge after 6,000 litres of water usage
- Ensure replacement of Taste Enhancer Cartridge after 12,000 litres of water usage
- Do not pull or push the water-dispensing lever with excessive force
- Ensure that the reject water valves are cleaned thoroughly by a trained Forbes Service Technician
- Replacement should be done by a trained Forbes Technician

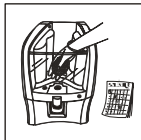
CLEANING THE WATER TANK



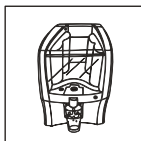
- Close the tap water valve
- Switch off the power



- 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
- Open the water valve
- Fill the storage tank
- Drain the first filling completely
- Use it from second filling onwards

Maintaining your Forbes Enhance

Tips for a long relationship with your Forbes Enhance

- Get your Forbes Enhance serviced regularly by an authorised Forbes service technician only
- Ensure that only genuine spare parts are used
- Simple maintenance and hygiene will help your Forbes Enhance function better

A quick checklist

| Problems | Check points | 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 filter | <p>Clean the storage tank. Dispose of water and clean the tank.</p> <p>Call an authorised 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 maybe clogged or damaged? | <p>Open the tap water valve. If so, the amount of purified water will be reduced</p> <p>Call an authorised Forbes service technician</p> |
| Water doesn't flow into the storage tank | <ol style="list-style-type: none"> 1. Is the tap water valve closed? 2. Is the tap water pressure too low? 3. Filters maybe clogged or damaged? | <p>Ensure the overhead tank is filled with water. Ensure the tap is open.</p> <p>Call an authorised Forbes service technician</p> |
| Water is leaking | <ol style="list-style-type: none"> 1. Is water coming out of the top cover of the purifier? | <p>Close the tap water valve, unplug the power cord and call an authorised Forbes service technician.</p> |

Recycle Water

Water is a rapidly depleting resource. It is our moral responsibility to ensure that water is recycled as much as possible. The water flushed out by your Forbes Enhance can be used for several purposes.

Flushed water can be used for



Watering plants



Daily household cleaning like for mopping floors, cleaning bathrooms, kitchen sinks, etc.

Flushed water cannot be used for:



Washing clothes



Drinking

Forbes Enhance Variants



Forbes Enhance

Forbes Enhance with Green RO membrane is designed for low TDS water source (200-500 mg/ltr.) to retain essential minerals and to save 30% water.

Forbes Enhance

The next generation RO water purification system.

Next generation technology is now even in your water purifier. Presenting Forbes Enhanced RO, a purifier equipped with the latest 3G technology. To electronically enhance the membrane life of the purifier. What's more, the new Forbes Enhance RO comes with an enhanced pump, to ensure continuous flow of water, so you never run out of pure water.

The Forbes Advantage



Certified by over 105 labs nationally and internationally



Recipient of UNESCO Water Digest Award for Best Complete Domestic Water Solutions Provider and Best Domestic Water Purifier (RO).



Manufactured at ISO 9001 and 14001 certified manufacturing facilities.



Selected as Reader's Digest Most Trusted Brand Platinum Category.

Technical Specifications*

| S.No. | Parameter | Specification |
|-------|-----------------------------------|--|
| 1 | Dimensions | (WxDxH)in mm 316x251x462 |
| 2 | Net Weight | 8.2 kg |
| 3 | Flow Rate** | 10 litres/hr |
| 4 | Purifying Technology | Reverse Osmosis |
| 5 | Filter Cartridges | Clarity Cartridge Chemi Block Reverse Osmosis Membrane Taste Enhancer Cartridge |
| 6 | RO Membrane Rating | TFC Spiral |
| 7 | Electronic Membrane Life Enhancer | Enhances Membrane Life |
| 8 | Power Rating | 40 Watts |
| 9 | Input Water Pressure*** | 0.6 kg/cm ² (min.) - 2.0 kg/cm ² (max.) |
| 10 | Input Voltage | 230 V AC / 50 Hz |
| 11 | Input Iron Content | 0.3 mg/ltr (max.) |

| Parameter | Recovery**** | TDS Reduction**** |
|--|--------------|-------------------|
| Membrane for low TDS input water (TDS range 200 to 500mg/lit) | 30% | 70% approx |
| Membrane for High TDS input water (TDS range 500 to 2000mg/lit) | 25% | 90% approx |

Notes : *Technical Specifications are subject to change without prior notice.

**Flow Rate depends on Input Water Pressure and condition of filters.

***If the pressure is higher than the maximum specified, use of the pressure reducing valve is recommended. The above accessory is available with our company at addition cost.

****Input water quality and TDS content are important determinants of recovery rate and TDS rejection.

Questions you may have about RO technology

What is Reverse Osmosis?

Reverse Osmosis (RO) is the reversal of the natural flow of osmosis. In water purification systems, Reverse Osmosis is used to separate the salts and other heavy metals from pure water.

What is Forbes RO Enhance?

Forbes Enhance is a domestic RO system that uses reverse osmosis to remove TDS, lead, microbiological contaminants, heavy metals, etc dissolved in water. The result is pure, safe water that tastes good and is healthy to drink.

How do I know which purifier I need for my home/office?

Water treatment is like any other treatment of your health - you first need to know what's wrong with your water, before you treat it.

Forbes, the leader in water purification for 29 years, has a range of products using different technologies - ranging from RO, NF to UV to UF with optional attachments to treat excess iron, hardness and arsenic in water. Hence it's essential that you consult a Forbes Water Specialist who will test your water and then guide you in making the right decision.

Is RO better technology compared to Ultraviolet (UV)?

Different water quality needs different treatment technology. So if your water has microbiological, organic and physical contamination, a UV purifier is ideal. However, if your water, in addition to the above, also contains TDS, heavy metals and other pollutants, you will need to install a RO purifier. Both technologies are good and they each serve a different purpose.

Questions you may have about RO technology

Why does the Forbes RO Enhance purifier need frequent cleaning/service?

The Forbes Enhance has various filters and the membrane cartridge inside your water purifier are constantly working to remove/trap physical impurities, organic and inorganic contaminants, bacteria, virus and heavy metals, TDS, lead, arsenic, etc, and keep your family healthy. This is why your purifier needs to be routinely cleaned and serviced.

How is Forbes RO Enhance different from the other RO purifiers in the market?

The Enhance uses a multi-stage Reverse Osmosis+ process to provide pure, sweet tasting water. Its Unique Membrane Cleaning System ensures superior and effective membrane performance.

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Produced for Forbes Lux Group,
Switzerland

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