



An ISO 9001 - 2008 Certified Company

USER MANUAL

www.kenpurero.com

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KEN PURE™

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Water is *LIFE*

Water is life something without that life ceases to exist. Pure and clean water nurture our body and soul. Bottled water is expensive, inconvenient and may be spurious. The other available UV based water purifiers, only partly clean the water, as they cannot remove the hardness of water. Thus quenching one's thirst in real sense always remains a dream. More than 70% of these diseases are water-borne. With so many morbid disease challenging the human race, We should be extra cautious. Our daily need for water is vast and varied, that makes us vulnerable to many contagion. Pure and safe drinking water is the only reprieve.

Here comes in **Ken Pure** system the perfect water treatment system for ultimate purity and good taste. Its multistage purification process and RO technology, not only pghysically removes unwanted and life threatening micro-organism, but also removes harmful chemical pollutants and heavy salts present in the water, to ensure clean and healthy drinking water.

Is your drinking water is safe?

Generally people have the wrong impression about the running water as follows:

- ◆ The running water is pure, clean, healthy and can be safely drunk?
- ◆ The equipment of the running water can eliminate all pollutants?
- ◆ The Government understands what particles exist in the running water? and thoroughly inspect them to assure safety?

Impurities in water

Physical impurities like suspended particles, sand dirt, dust, rust, slit, colour, turbidity etc.

Microbiological impurities like germs, bacteria and viruses.

Toxic Chemical impurities like Mercury, chromium, Arsenic, lead, fluoride etc.

Dissolved impurities like heavy salts, Calcium, Magnesium, Sodium etc.

Facts

- ◆ Environment protection Association (EPA) has confirmed that there are kinds of pollutants including heavy metal, lead, arsenic etc., existing in the drinking water.
- ◆ Hundreds of pollutants can't be controlled and no every pollutant can be tested out.
- ◆ The test result of national water sampling show that our drinking water contains the pollutants like germs, asbestos, lead, radioactive rays particles and industrial scraps.
- ◆ EPA announces that there are now thousands of chemical compounds containing toxin and new chemical compounds will be invented & used every year. These chemical compounds will pollute the ground & under ground water, and some of these chemical compounds intruding into drinking water have been approve as the cause of resulting in cancer mutation and deformed body.

Comparison of the degree of pollutants Eliminated by different water treatments

● No eliminated ◐ Slightly eliminated ○ eliminated

No eliminated	Pollutants	RO System	Sterilization	ion Exchange	Sediment Filter	Active Carbon Filter
Heart disease of hypertension	(Na)	○	○	○	●	●
Neuralgia of black foot	(As)	○	○	○	●	●
Neuralgia of Kidney	(As)	○	○	○	●	●
Back ache of Skeleton	(Cd)	○	○	○	●	●
Electrolyte unbalance	(K)	○	○	○	●	●
Disease of digestive System	(S)	○	○	○	●	●
Stone	(Ca/Sediments)	○	○	○	●	●
Disease of digestive System	(Mg)	○	○	○	●	●
Poisoning of organic phosphorous	(P)	○	○	○	●	●
Substances of causing cancer	(Cl)	○	●	◐	●	●
Decayed tooth, causing cancer	(Chloride)	○	○	○	○	○
Acid and alkali unbalance	(Alkali)	○	○	○	●	●
Intestinal catarrh	(Large intestine bacteria)	○	●	●	◐	○
Acute infectious disease	(Virus)	○	●	●	◐	◐
Causing Cancer	(Trichloromethane / Radioactive Rays)	○	●	●	●	●
Digestive System	(Chloride)	○	○	○	●	●
Hepatitis	(Dioxin/Pesticide)	○	●	◐	◐	◐
Toxin	(Organic substances / Bad smell)	○	●	●	●	●

Ken Pure RO System...

Ken Pure RO provides you the quality of bottled mineral water produced at your home and with the convenience of a faucet mounted on your sink it removes all types of impurities in water and produces the purified, bottled mineral water using the rigorous multi-state purification including filtration through RO membrane giving the fresh, clear, natural water daily.

Benefits of Ken Pure RO System...

- ◆ Enhances taste of water by removing undesirable salts and minerals.
- ◆ Removes contaminants that may cause high blood pressure, kidney stones, Indigestion, gastric bacterial diseases, etc.,
- ◆ Even Bore-well or hard or Municipal supplied or Overhead tank water is processed to best quality drinking water.
- ◆ Removes salinity and hardness from raw water, besides eliminating impurities, viruses and bacteria.
- ◆ RO water storage capacity enables to have purified water on demand even where there is no electricity.

More Benefits...

- ◆ You can truly taste the flavours of coffee and tea with **Ken Pure RO** water.
- ◆ True flavours and aromas of all cooked foods will be experienced.
- ◆ Ice cubes will be clear and sparkling.
- ◆ Appliances that use water (your steam iron/electric kettle) will be more effective and last longer because of no scaling.

How does Ken Pure RO system work?

The common five stage filter process of all Ken Pure Ro systems are as follows:

(1) Pre-filter spun bonded polypropylene:

Removes suspended impurities like particles, rust and dust.

(2) Pre-carbon filter Impregnate Granular Activated Carbon:

Removes colour, odour free chlorine and absorbs organic pesticides.

(3) Sediment Filter Spun PP cartridge:

Acts as a final filter to remove smaller contaminants & remaining particles. reduces fine turbidity.

(4) Reverse Osmosis Membrane Thin film Composite (TFC) 0.0001 micron:

Removes TDS, hardness, Fluoride, Pesticides, Heavy Metals like Lead, Mercury, Cadmium.

(5) Post-carbon filter Silver Impregnated fine Granular Activated Carbon:

Imparts bacteriostatic property and helps in reviving the original taste of water.

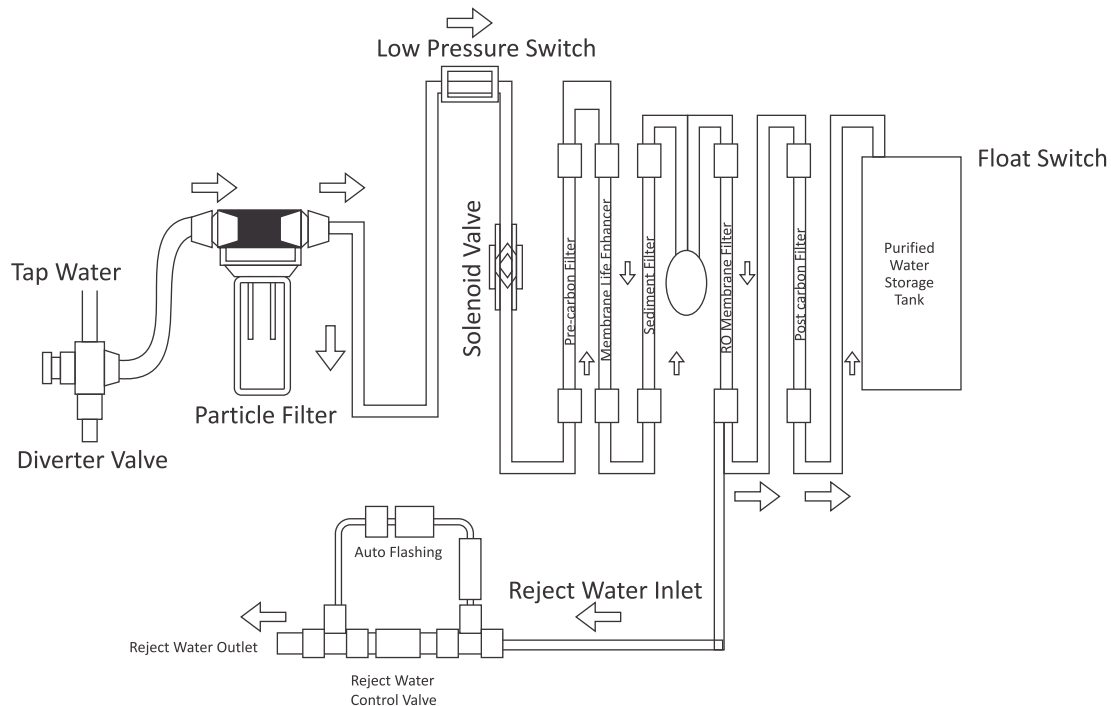
+ **TDS Adjuster:** Removes suspended impurities like particles, rust and dust.

++ **UV Lamp:** Removes colour, odour free chlorine and absorbs organic pesticides.

+++ **UF Filter:** Acts as a final filter to remove smaller contaminants & remaining particles. reduces fine turbidity.

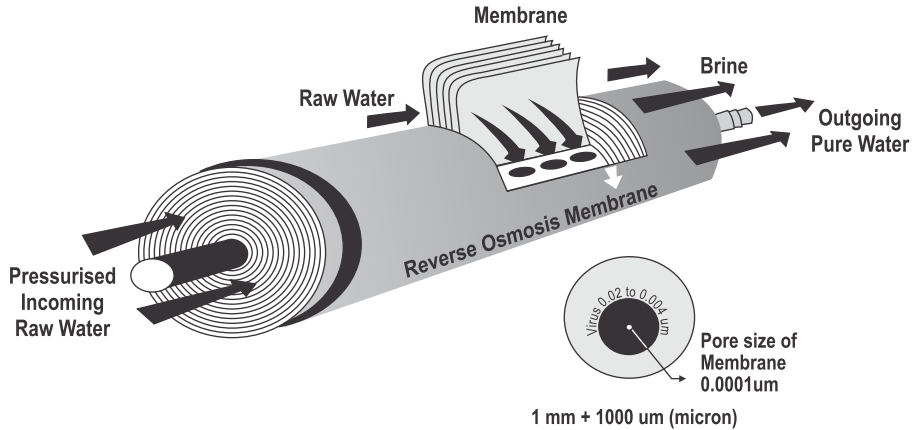
+++ **Mineral Filter:** This filter improves the qualities of clean water by adding necessary for proper human development and health minerals, such as Calcium, Magnesium, Sodium, Potassium and others readily found in many natural mineral waters.

RO Water Flow Diagram



Membrane

An Advanced Technology for
Better Water with Clean Refreshing Taste



Reverse Osmosis is a process in which water is forced through a semi-permeable membrane by applying very strong pressure. Therefore only fine water molecules can pass through the membrane. All contaminants such as bacteria, viruses, herbicide, heavy metals and chemical poisons are removed. With added special features, the actual container and dirty water with impurities is discharged.

Technical Specifications

Sl.No.	Parameters	Specifications			
		Classic	Nector	Nector+	Nector Clear
1.	Storage Tank Capacity	8 Ltrs.	9 Ltrs.	9 Ltrs.	9 Ltrs.
2.	Purified Water Delivery Rate	10-15 Ltrs./hr	10-15 Ltrs./hr	10-15 Ltrs./hr	10-15 Ltrs./hr
3.	Membrane Rating	75/80 GPD	75/80 GPD	75/80 GPD	75/80 GPD
4.	Purifying Technology	Reverse Osmosis	Reverse Osmosis	Reverse Osmosis	Reverse Osmosis
5.	Filter Cartridges	Particle filter Membrane life enhancer cartridge, Sediment, Pre-carbon, RO Membrane, Post-carbon.			
6.	% Recovery	25-35%	25-35%	25-35%	25-35%
7.	Dimension (WxDxH)	35x26x45 cm	35x26x45 cm	35x26x45 cm	35x26x45 cm
8.	Weight	14 Kg. (approx.)	14 Kg. (approx.)	14 Kg. (approx.)	14 Kg. (approx.)
9.	Power Rating	24/36 Watts	24/36 Watts	24/36 Watts	24/36 Watts
10.	% Reduction in TDS	95%	95%	95%	95%
11.	Input Water Pressure	0.3 kg/sq.cm (min)	0.3 kg/sq.cm (min)	0.3 kg/sq.cm (min)	0.3 kg/sq.cm (min)
12.	Input Voltage	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz	230 V AC/50 Hz

1. Dimension & Weight may vary in different models.
2. Quality & Quantity of product water varies with feed water quality, pressure & temperature.
3. Technical specifications subject to change without prior notice.

*** For best result quality of input water should not be worse.

Dos & Don'ts

- ◆ Install it in a dry, ventilated place.
- ◆ keep it away from direct sunlight or below freezing temperatures. Connect it to only cold tap water.
- ◆ Filters can be damaged if connected to hot tap water.
- ◆ Make sure that the tap water pressure is between 5 psi and 120 psi (0.34-8.0 bar)
- ◆ Keep the proportion of purified and reject water at 1:3 (cold water pipe)
- ◆ Make sure that purified, disposed and overflow water hoses are 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 the distance of 10 m from the tap water supply.
- ◆ This purifier is for 230V only so make sure that you connect to a 230V power outlet.
- ◆ Do not install the purifier in a place where water or rain could leak into it (outdoor etc.,)

Instructions

- ◆ After installation, empty purified water for the first time before using the purifier.
- ◆ Do not place any heavy or sharp objects on the top of the purifier. Might damage the physical structure or finish of the product.
- ◆ Drain the water in the tank before reusing the purifier if it hasn't been used for over 2 days. The water might have been contaminated or mould growth might have formed due to external contamination.
- ◆ Change filters regularly for clean water.
- ◆ Clean filters make the purifier work best. (life of membrane is cartridge approximately 6000 liters - can vary depending on input water condition)
- ◆ Do not pull or push the water dispensing lever with excessive force. The lever might break.

Cleaning the water tank

- ◆ Close the tap water valve.
- ◆ Unplug the power cord.
- ◆ Open the top cover and push up the lever to drain the tank.
- ◆ Wipe the inside of the tank with a soft cloth and Sodium Hypochloride solution.
- ◆ Do not tilt the purifier more than 10 degree.
- ◆ Discard the first filling of the water from storage tank after cleaning.
- ◆ This should be done every 30 days.
- ◆ keep the top cover in place.
- ◆ Open the tap water valve for refilling the storage tank with purified water.

Cleaning the Pre-Filter

- ◆ Close the tap water valve.
- ◆ hold the top of the filter, push downward and separate it from the cold water pipe.
- ◆ Clean the pre-filter by back flushing.

How to back flush the Pre-Filter

1. Connect the tube from the tap to the outlet nozzle.
2. Leave the other nozzle of the pre-filter open.
3. turn the tap on to maximum pressure.
4. Let the water flow into the sink for about 10 minutes.
5. Reconnect the inlet and outlet nozzle as before.
6. Do not by mistake interchange the inlet and outlet of the pre-filter as this may clog the candle.
7. You are now ready to use the Kenpure RO system once again.

* Classic model has specially designed nozzles that are easy to remove thus making your task of back flushing simple.

Types of Filter Cartridges

Stage	cartridge	Nominal life
1.	Pre-Filter	3-6 months
2.	Granulated Activated carbon cartridge	6-8 months
3.	Micron Sediment filter	6-8 months
4.	RO Membrane	1-3 Years
5.	In-Line post Activated Carbon Cartridge	1 Year
6.	UV Lamp	1 Year
7.	UF Filter	1 Year
7.	Mineral Cartridge	1 Year

The replacement intervals here are based on normal operations. The real capacity of these filter cartridges can be calculated as follows:

Pre-Filter

: Pressure drop is over 5-6 psi.

Granular Activated Carbon filter Cartridges

: Depends on water usage and chlorine concentration in your area.

Sediment Filter Cartridge

: Depends on water usage and chlorine concentration in your area.

RO Membrane to be replaced when

: High TDS value exists. Membrane fouled, hydrolyzed, ruptured or attacked by bacteria. Zero / very low rate of pure water. In line post Activated Carbon Filter Cartridges: 2,500 gallons or 1 year.

Input Water Conditions

Recommended Total Dissolved Solids in Water	1500 mg/(max.) (Manual Flushing) 2000 mg/1 (max.) (Automatic Flushing)
Recommended Temperature of input Water	$\pm 40^{\circ}\text{C}$
Recommended PH of input Water	6.5 - 8.5
Recommended iron content in input Water	0.3 mg/ltr (max.)

Hardness of raw water should not exceed 500 ppm.

If pressure exceeds 60 psi, a pressure regulator should be installed and set for 44 psi.

Initial Start-up

With every thing connected, turn on the water check for leaks.

Make sure the storage tank shut off valve is “OFF”. Open the sink top faucet.

With in a few minutes (up-to 15) the water will start to run from the faucet slowly.

Let the water run for at least 30 minutes. This flushed the carbon filters on first time use.

After initial flushing, open the shut off valve on the tank and close the sink top faucet.

Tank will now full of water (Usually 1 hour). After the tank has filled open the sink top faucet and drain all water until the storage tank is empty and there is only a small flow from the sink top faucet. *****DO NOT USE FIRST TANK OF WATER*****

Close the sink top faucet. The system is now ready for use.

Change filters regularly every 6 to 12 months and have the membrane checked annually.

Caution

Flush carbon fines for at least 30 minutes before installing RO membrane.

1. Do not use hot water (over 45°C)!
2. Do not freeze the machine!
3. Switch off electricity and water source if away for more than 5 days, and drain out pure water.

How to recycle the water flushed by the Ken Pure RO System?

Water is a rapidly depleting source. It is our moral responsibility to ensure that water is recycled as much as possible. The water flushed by the Kenpure RO system can be used for several purposes.

Can be used for:

Cleaning Utensils

: The water considered unfit by the Kenpure RO System for drinking can be used to wash utensils.

Watering plants

: This water can also be water plants

Daily house hold cleaning

: This water flushed by the Kenpure Ro system should not be used for washing cloths as it is hard water which may affect the texture of the fabric.

Drinking purpose

: This water is not safe for drinking and should not be consumed.



Check points before calling service department

Before you panic and call our service department, here are some simple steps to be followed. Most times you'll find that one or a combination of these will solve the problem/s. When these steps at your end fail then immediately call our service department and we will take up your case on priority, thank you.

Problem	Check Points	Solution
Water tastes bad	<ol style="list-style-type: none">1. Is the storage tank clean?2. Have you kept the purified water in the tank too long?3. Is it time to change filter?	<p>Clean the storage tank. Dispose off water and clean the tank. Call our service department to change filters.</p>
Here is too much or too little water being purified.	<ol style="list-style-type: none">1. Is the tap water valve closed2. Is the tap water temperature too low?3. Filters may be clogged or damage4. Pump or SV has failed.	<p>Open the tap water valve. Is so, the amount of purified water will be reduced. Call Service department to rectify/change.</p>
Water doesn't come out.	<ol style="list-style-type: none">1. Is there water in the tank?2. Is tap water supplied?3. Is the tap water valve closed?4. Not sure what is wrong.	<p>Check the storage tank. If tap water is not supplied, close the tap water valve. Open the tap water valve. Call our service department.</p>
Water is leaking	<ol style="list-style-type: none">1. Is water coming out of the top cover or the purifier?	<p>After checking the inside of the product, close the tap water valve, unplug the power cord and call our service department.</p>

Service Record

Serial No.:

Model:

- ☐ KP Classic
- ☐ KP Nectar
- ☐ KP Nectar +
- ☐ KP Clear

Membrane No.:

Pump No.:

Sl.No.	Date	Action Taken	S.E. Sign	Customer Sign	Next Service
1.					
2.					
3.					
4.					

Warranty Card

Please forward this card to concern dealer, It will be required if service under warranty becomes necessary. Warranty will be provided only if the warranty card duly signed is registered with the dealer.

Model: ☐ KP Classic ☐ KP Nectar ☐ KP Nectar+ ☐ KP Nectar Clear

Serial No.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Customer details:

Customer's Name: _____

Customer's Address: _____

Customer's Contact No.: _____

Invoice details:

Invoice No.: _____ Dated: _____

Date of Installation: _____

Authorised dealer with stamp

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Disclaimer:

Company is not responsible for guarantee and warranty.

Dealer is liability for guarantee,warranty & after sale service of the product.

Conditions

Ken Pure RO system is warranted against defects arising from faulty design, workmanship and material for a period of 12 months from the date of installation.

Subject to the following conditions

1. The customer will notify the company promptly about an defects notified and give the company or its authorised services provided adequate opportunity to inspect, test and rectify them, for which the customer will submit the goods, if necessary, with the invoice, in the city where they are sold.
2. Inspection and test report of companies office/service centre will be treated as final and binding under the warranty for determining defects, repair/alternation required of carried replaced under this warranty.
3. The company's liability under the warranty will be limited only to defects which occur under conditions of normal operation and under proper use. It excludes defects occurring because of abuse, faulty care of maintenance, dry run of pump and repairs/altertions to goods or to parts by others.
4. Components subject to wear, such as per filter candle, activated carbon and membranes are not covered under this warranty.
5. The customer will have no claim under this warranty is respect of personal injury, damage to property or consequential losses for utilization of the goods not in accordance with the user's manual.
6. This is the sole responsibility of the dealer to provide satisfactory service to his customers during the warranty period.
7. the TDS of RO water and flow rate of RO system can differ on feed water.
8. Subject to Hyderabad jurisdiction only.