



HEALTHY DROPS

NEED BASED SOLUTION

Instruction Handbook

Manufactured & Marketed by
KNL Trading Co.

To obtain authentic and high-quality items, filters, water purifiers,
and spares at a lower cost than the retail market,
please visit www.knlhealthydrops.com

 +91 7303433313

 knlhealthydrops@gmail.com

   /knlhealthydrops

Greetings Buyers,

Welcome to the KNL Healthy Drops family and congratulations.

There are numerous other instances in which our customer-centric approach is demonstrated. Please contact us at knlhealthydrops@gmail.com or over WhatsApp/call at our customer service number, 7303433313, if you need any information or help with your water purifier.

To ensure that your KNL Healthy Drops water purifier performs to its full potential, please read through the installation and instruction booklet carefully. We express our gratitude for selecting KNL Healthy Drops once more.

Please go through this simple and easy to read instruction and installation manual to get the best out of your KNL Healthy Drops water purifier. We once again thank you for choosing KNL Healthy Drops.

Yours Sincerely,
Team KNL Healthy Drops

Notes:

1. According to WHO & medical standards, mineral water falls between 150 ppm and 300 ppm, whereas the range between 100 ppm and 300 ppm remains in excellent condition for drinking water minerals (TDS). The BIS and WHO allow up to 500 parts per million, but the water must be free of contaminants and microorganisms. The ideal pH range for drinking water is between 7.5 and 8.2, but 6.5 to 8.5 is also acceptable.

2. TDS is the primary determinant of water flavor; as TDS rises, so does water hardness. When compared to regular bottle-packed water or demineralized water, users of RO or demineralized water may experience a hard water taste. The consumer will begin to like the flavor of mineral water in a few days or weeks.

What's in the box?



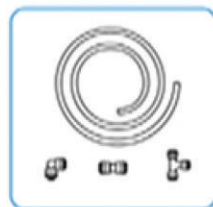
Water Purifier



User Guide



Mounting
Accessories



Tube &
Connectors

3. The elements that make up TDS include calcium, magnesium, potassium, sodium, zinc, copper, iron, carbonate, chloride, sulphate, etc. TDS is made up of mineral contents rather than contaminants. We obtain 5–10% of the necessary critical minerals from drinking water, and the remaining amount comes daily diets. As a result, drinking healthy, mineral-enriched water is essential.

4. Healthy drinking water functions energy sources, creates electricity in the cells, functions as glue with the cells, prevent DNA damage, prevent early ageing, prevent hypertension, improve immune system, dissolve minerals that we consume, changes food to energy, helps minerals to absorb quickly, carries minerals to the organs and entire body quickly, improve blood cell functions, remove impurities through live & Kidney, helps joints spaces and prevent from arthritis, prevents from constipation, reduces heart attack & strokes, electricity to brain, improve sleep etc. and much more.

KEY FEATURES OF YOUR KNL HEALTHY DROPS

1. All water-related spare parts, including cabinets and filters, are made of food grade or non-toxic ABS plastic.
2. Transparent and easy detachable or restorable tank facilitates you to operate, clean and maintain comfortably.
3. The KNL Healthy Drops gives mineral enriched, healthy and hygiene drinking water on selecting the right model according to your tap water TDS.
4. The KNL Healthy Drops all model has an extremely simple design that requires very little annual maintenance and is easy to operate.
5. Every KNL Healthy Drops purifier model is compatible with any kind of domestic NF or RO membrane; the right membrane can be used in the same machine based on the TDS of the raw water.

INCLUDED COMPONENTS

1. Your water purifier is fitted with NF/RO membrane as per your selected model
2. If your purifier has a pH regulator, there is a small bottle with the pH testing reagent in the packed box along with a brass nipple with mounting accessories and a prefilter fitted with spun, 4 meters of pipe, tap, diverter valve and inlet connector with stopper in the storage tank.
3. The PRV (Pressure Reducer Valve), which is used to regulate the working pressure inside membrane housing when there is high tap water pressure, is not included in the box. It is particularly necessary in high-rise buildings with more than five stories or in situations where an automatic pressure motor is used in an over-head tank or large concrete over-head tank. In such cases the PRV is suggested to use else the membrane will get damage early.

INSTALLATION INSTRUCTIONS

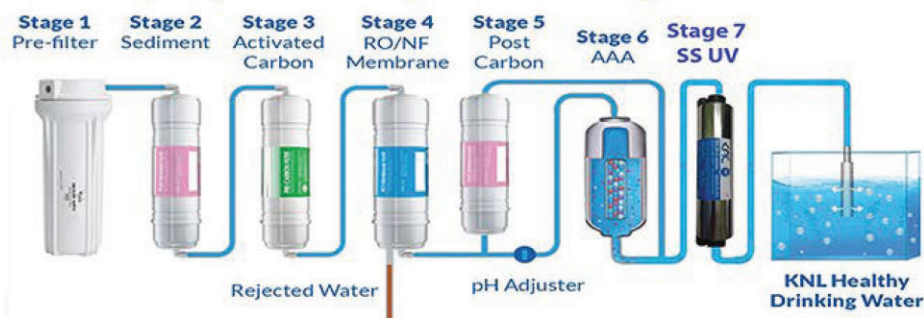
1. The water purifier must be installed in kitchen or sunshade area. Avoid direct sunlight exposure on the purifier.
2. For better performance, the prefilter must be used within 2 feet distance from the purifier or max 1 meter.
3. The waste water pipe length should not be more than 1 meter & should be below of the purifier. The more length may cause early blockage of the pipe and FR of the purifier and will cause inline filters damage early.
4. You only need to use the spares that came with your purifier. Despite the technician's occasional suggestion, no additional prefilter is required.
5. The water from the first two storage tanks must be disposed of before it can be used for cooking and drinking during a new installation or service kit replacement.

MAINTENANCE SCHEDULE

1. Your purifier's storage tank needs to be cleaned at least once a month with a mild cloth and liquid or vim bar. Avoid using hard materials and detergent powder for cleaning; otherwise, you can notice scratches on your storage tank and a stench from the powder.

2. Please be aware that life can live anywhere there is water and air, and that failing to clean the storage tank could encourage the growth of germs.
3. The prefilter's PP spun filter (size 10 inches, 130 GSM) needs to be replaced every 5 to 6 months, however it might need to be replaced more frequently if the feed water is visibly dirty.
4. The approximate service life of the inline filters is 10,000 liters or 18 months, whichever comes first. A modest family typically uses 7,000 liters of drinking water a year, thus the inline filters readily last up to 18 months.
5. Make sure the feed water temperature stays below 38 degrees Celsius to prevent premature damage to the filter and membrane.
6. Please fill the water early in the morning during the hot summer months to avoid premature damage to the inline filter.

KNL Healthy Drops water flow diagram & its Technology



1. Pre Filter (Common in each case) [Fitted with polypropylene (PP) Spun 10", pore size 5 micron] Captures all particles larger than 5 microns (clay, sand, rust, colour, heavy metal etc.). When tds goes beyond 600 ppm, then we use antiscalant balls 10 pcs in spun filter hole that prevent mineral scaling inside the filters and enhances the life.
2. Sediment Filter (Common in each case) [absolute 5 microns] made from polypropylene & sediment special cloths. Polypropylene is resistant to bacterial growth. The filter further clean the water.
3. Activated Carbon Block Filter (Common in each case) [1000 IV] Made from activated carbon in solid cylindrical block The carbon filter block absorbs harmful chemicals, toxic substances, iodine, chlorine etc., removes odour, and enhances water taste.
4. NF20/NF40/NF60/NF80/RO membrane use as per selected model. The NF/RO membrane sufficient to remove germs and impurities from feed water.
5. Activated Post Carbon (common in each case) [Coconut shell] the post carbon, half part is filled with coconut granules & half part is inbuilt UF filter. Inhibits bacterial growth and enhances water taste.
6. AAA Filter (optional but very useful) [PH Cartridge] the filter is used to enhance pH of membrane treated water. Used with regulator to achieved balanced pH in drinkign water. The filter contains ceramic balls (natural stones, no chemical) & coconut shell charcoal.
7. SS 304 UV Chamber [Optional part]. The UV [ultraviolet rays] emits radiation to kill the germs. The NF/RO membrane is sufficient enough and does the job, however, UV can be added for further peace of mind.

Harmful Contaminants/Germs in water

Arsenic, Fluoride, Bromide, mercury, Cyanide, lead, excess calcium, excess magnesium, excess sodium, chlorine, Aluminium, Ammonia, Barium, pesticides, herbicides, chloramines, cadmium, excess copper, nitrates/nitrites, radium, selenium, uranium etc. are some of the harmful contaminants found in water and size ranges >0.01 microns.

E-Coli, HAV, water borne bacteria, protozoa, viruses like rota, sapo etc are more common ranging 0.03 micron to 5 microns and above.

TDS molecule size normally remain less than 0.0009 microns and breaks further even in smaller. Water molecule size 0.000283 microns

According to the NF version, the KNL NF membrane pore size ranges from 0.0015 to 0.0002 microns, while the RO membrane pore size is 0.0001 micron. As a result, required working pressure is needed to pass the water.

Water borne diseases

More than 70% of known diseases are water born. Therefore, we should take special care in water purification technologies/qualities to ensure safe & healthy drinking water.

The infected water causes many problems. Some of them are of immediate effect normally caused by water born bacteria, germs, and viruses such as diseases like jaundice, encephalitis, typhoid, anaemia, and cholera, E-coli, Flue, Hepatitis A, Flue, E-coli, filariasis and much more.

Contaminated water with arsenic, bromide, mercury, fluoride, lead etc. causes many problems in long run. Some of them are skin diseases, cancer, cardiac problem, hypertension, skin diseases, arthritis, skin crackage problem etc. and much more.


Please note, the above informed diseases are also associated with daily life style, habits, cleanliness and number of other factors but contaminated water/infected water may be one of them. Water is not only compulsory reason.

Likewise excessive hard water or low mineral water or with low/high pH causes many problems. Some of them are early ageing, lower limbs pain, obesity, diabetes, arthritis, constipation, hypertension, hair fall, skin dullness, acidity, gassy stomach, slow metabolism, weak immune system, bad cholesterol, cardiac problem and much more.



HEALTHY DROPS

Call
Installation & Services

 +91 7303433313

Product: **KNL Healthy Drops** Model No.

Invoice No.: Invoice Date:

Customer's Name Mr./Mrs./Ms.

Customer's Address:

.....

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Customer's Ph. Installation Date:

Customer's Email id:

Customer's feedback

.....

TDS and pH of raw water:

TDS and pH of KNL Water:

Customer's Signature:

Terms and conditions of warranty.

KNL Trading Co. warrants all new products manufactured/outsourced/assembled by it to be free from defects in material and workmanship under normal usage and service from the date of purchase as under.

1. The warranty period commences from the date of purchase by the first end user. Warranty covers 12 months for electrical parts (SMPS, Solenoid valve, Float valve, UV Barrel pump) and 6 months for inline filters including membrane considering daily water consumptions up to 25 liter per day. The cabinet and fitted indicators do not covers warranty. First 3 months if any malfunctions noticed in the said inline filters or electrical parts will be addressed with no extra cost/charges. But after 3 months the visit/service charges applicable at the rate time being enforced.
2. The product's plastic body is not covered under warranty and therefore, it must be handled with care to guard against breakage/scratches.
3. This warranty is void if the unit is not operated under normal water turbidity conditions (must be between 1 ntu to 2 ntu). Above 2 ntu water becomes visibly dirty.
4. Product returned to KNL or its ASP for warranty examination must be shipped freight prepaid.
5. KNL purifiers shall not be held liable for claims exceeding the cost of repairs of the defects in workmanship.
6. This warranty agreement shall not be interpreted to render KNL purifiers liable for injuries or damages of any kind – direct, consequential or contingent to persons or property.
7. KNL or its ASP shall not be held responsible by representative or buyer for failure to abide by any of the obligations of this warranty agreement. If such failures are the result of circumstances of forces majeure: such as, but not limited to, floods, earthquakes, transportation strike, labour disputes with outside suppliers or any other conditions beyond the control of KNL.
8. KNL or its ASP shall not be held liable for repair or alterations made without prior written approval for product clogged by suspended matter, precipitates or biological growth; or for failures growth; or for failure resulting from the lack of proper maintenance.
9. KNL or ASP cannot and shall not be held liable for any sickness or illness due to the consumption of drinking water from any water purifier supplied by KNL, since KNL or its ASP does not have any control over the maintenance and usage of water purifier.
10. This warranty agreement excludes all products/components parts or damage to any part of this water purifier which, in the opinion of KNL Purifiers or its ASP, have been subjected to misuse; misapplication; negligence; alteration; accident or operation contrary to our instructions, incompatibility with accessories not installed by KNL, or that have been repaired with component parts other than those manufactured by or obtained from KNL or its ASP. Damaged caused by freezing, flood, fire or Act of God is not covered by this warranty. In all such cases regular charges will apply. This limited warranty does not include service to diagnose a claimed malfunction in this unit.
11. KNL purifiers reserve the right to alter or improve design and specifications at any time, without any contingent obligations to prospective buyers or owners of the product previously sold.
12. Any disagreement and obligations based upon the purchase of KNL purifier's product and thereby imposed of KNL Purifiers or its ASP shall be governed by construed according to the laws of India and subject to the jurisdiction of Delhi Courts only.
13. KNL purifiers and its ASP assumes no warranty or liability in connection with this water purifier other than that specified herein. This warranty is in lieu of all other warranties, expressed or implied, including warranties of fitness for a particular purpose. KNL Purifiers or its ASP does not authorize any person or representative to assume for them any other obligations on the sale of this water purifier.
14. Under no circumstances, the liability of KNL or its ASP shall exceed the value of the product.
15. Under no circumstances are the terms mentioned above negotiable and no employee of KNL or its ASP has authority to supersede them.
16. The warranty will turn void if the service/repair is not routed through the KNL Customer care. In case of repair and service directly availed from ASP or other technician, KNL shall not be held liable in any manner.