



HEALTHY DROPS

NEED BASED SOLUTION

Instruction Handbook

Manufactured & Marketed by
KNL Trading Co.

Please visit www.knlhealthydrops.com
to get the genuine and quality products/spares/filters/water purifiers
which is economical too from retail market

+91 7303433313

 knlhealthydrops@gmail.com

   /knlhealthydrops

Dear Customer,

Congratulation and welcome to KNL healthy drops family.

We thank you for the trust you have shown in choosing the KNL Healthy drops water purifier. It is specially designed keeping in mind today's water quality and your needs.

Our customer-centric approach manifests itself in many other ways too. If you need any information or assistance with your water purifier, just call us from any phone, any where in the country to our Mob. No. **+91 7303433313** or email on **knlhealthydrops@gmail.com**

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 As per WHO & Medical recommendation, the drinking water hardness remain in excellent range between 100 PPM to 300 PPM.
- ② pH value: WHO Recommendation (6.5-8.5) pH & the best idea value is between (7.4-8.0) pH better to keep drinking water always low alkaline.
- ③ Drinking water must be free from bacteria, virus, germs & harmful chemicals.
- ④ More than 70% diseases are water born.

What's in the box?



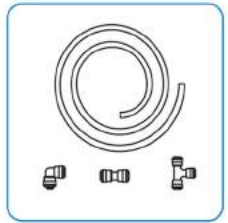
Water Purifier



User Guide



Mounting
Accessories



Tube &
Connectors

Key Features of your KNL Healthy Drops

- 1 Cabinet, filters and all other spares are of ABS/Food grade and non toxic plastic
- 2 Transparent storage tank visualizes the drinking water very clearly
- 3 The modern & elegant design enhances look of your kitchen
- 4 There is almost negligible chance to enter insects/roaches/ants into water tank due to smart design
- 5 The user friendly easy detachable tank technology gives option to user to clean storage tank self
- 6 Each model of KNL has been designed considering the wide range quality of water supply and the technology has been implemented as per medical recommendations to keep you and your family protected from water born diseases
- 7 The design and technology has been implemented in user friendly manner so that the user can get the replacement of the spares/filters from open market and can get the service done in easy manner in low cost
- 8 We recommend purchasing of spares/filters from www.knlhealthydrops.com or from KNL Healthy Drops store to own the quality products/spares/water purifiers
- 9 Power input 110 volt to 300 volt, output 24 volt, 2.5 amp
- 10 Power consumption is 15 watts only in case of UV technology and for the rest 45-50 watts only
- 11 The purifier can be operated with inverter due to low consumption of electricity

Pre-Instruction Literature

On Receipt

It is our policy to promote safe delivery of all orders. This product shipment has been thoroughly checked, packed and quality certified before leaving our plant.

Visible Loss or Damage

If any of the goods called for on the bill of lading or express receipt are damaged or the quantity is short, do not accept them until the freight or express delivery agent makes an appropriate notation on your freight bill or receipt.

Concealed Loss or Damage

When a shipment has been delivered to you in apparent good condition, but upon opening the crate or container, loss or damage has taken place while in transit, inform the carrier's agent / KNL representative immediately.

About this Manual

This manual is a guide to good practice for operating and periodic maintenance of the KNL healthy water purifier. This does not contain the full servicing procedures necessary for continued successful operation of this equipment. The services of a qualified KNL Trading Co. service personnel must be employed periodically on the same. Do not operate before reading manual supplied with this product. Please follow instructions in this manual to ensure personal safety and proper operation of this product. KNL assumes no liability for installation or servicing performed by any unauthorised personnel. Always install, operate, inspect and maintain this product in accordance with all applicable standards. Please store this user manual carefully for any future reference.

Why water purification is important?

Water purification, today is essential due to the presence of vivid and harmful contaminants present in the water supply. Rapid urbanisation and speedy industrial growth have led to significant pollutants and contaminants being found in the water supply. This is a list of some of the harmful contaminants found today in the water supply which if consumed in excess can be detrimental to human health.

- TDS (Total Dissolved Solids).
- VOC (Volatile Organic Compounds).
- Heavy metals like Iron, Mercury, Arsenic, Copper, Lead etc, Pesticides, Imbalanced pH.
- Microorganisms such as pathogenic bacteria, virus, protozoa and cysts.

KNL Healthy Drops water purifier has designed total 6 models considering the valuable recommendations of WHO, BIS, EPA and other medical recommendations. We have categorized the water in five main categories. 1) Extremely soft water having TDS less than 150 PPM, 2) Soft water having TDS range between 150 ppm to 350 ppm, 3) Moderate hard water having TDS range between 300 ppm to 650 ppm, 4) hard water having TDS range between 650 ppm to 1400 ppm and 5) extremely hard water having TDS range between 1400 ppm to 3000 ppm. According to these five categories we use suitable technologies in water purification process so that the drinking water must contain necessary minerals, pH (low alkaline) and must be free from germs, bacteria, virus and other harmful impurities. In our technology 100% water is being passed through NF/RO membrane to ensure germs free drinking water.

How does KNL Healthy Drops water purifier work?

Stage 1 – Pre-filter

(PP Spun filter 10") - is used to capture particles (clay, sand, dust, rust, color etc.) those remain in size of 5 micron or above in supplied water and then goes to sediment filter.

Stage 2 – Sediment filter

(5 micron absolute) - the filter made from Polypropylene & wound string both end sealed capped. Polypropylene is resistant to the growth of bacteria. The filter captures suspended matter such as sand, silt, loose scale, clay and organic material from the water and supplies clean water carbon block filter and NF/RO membrane for further purification.

Stage 3 – Activated Carbon block filter

Activated carbon block filter absorbs harmful chemicals, pesticides, excess iodine, chlorine etc from water up to 99.9% and removes odor, smell and enhances water taste. Due to high absorption rate of chlorine and iodine, the TFC membrane life increases and gives best result.

Stage 4 – UV Chamber & UF Membrane 8"

(pore size 0.1 micron) - used to pass the water through UF and SS UV Chamber (SS 304-high density material is used for better performance) to kill germs, bacteria and virus and this stage is applicable in KNL-UVUF-AR only for the rest.

NF40/NF60/RO Membrane (pore size 0.001 micron, 0.0005 micron and 0.0001 micron respectively) used to eliminate all harmful water born germs, bacteria, virus, chlorine, pesticides, herbicides, harmful chemicals like arsenic, bromide, fluoride etc from drinking water and all those harmful materials being flushed through rejected water. Please note water molecule size is 0.000283 micron, whereas water born bacteria/virus size remain 0.01 micron to 5 micron and therefore being eliminated through the membrane and flushed them through rejected water with great success.

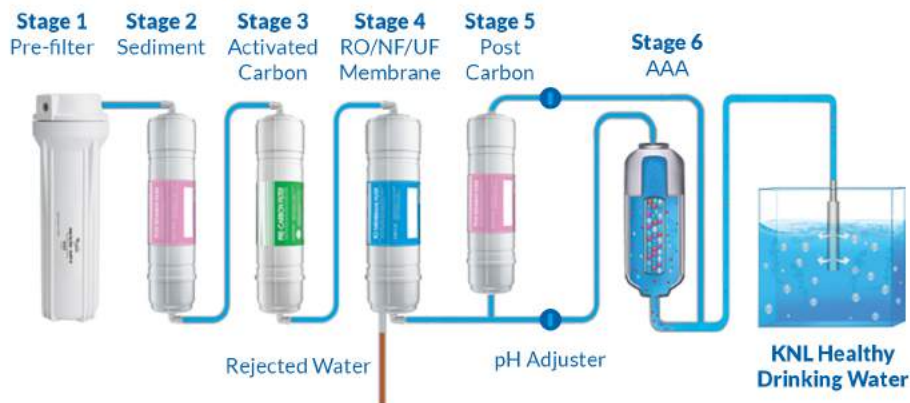
Stage 5 – AAA Filter

(Antibacterial, Alkaline and Antioxidant) - is used to add/enhance pH (alkalinity) and essential minerals in drinking water. We use regulator to regulate the pH value of drinking water between 7.2 pH to 8 pH which is ideal and in best condition for human consumption.

Stage 6 – Post Carbon Block Filter

(Coconut shell compressed fine carbon) - water passed through the post carbon block filter which is made from coconut shell compressed fine carbon and then goes in blue transparent storage tank of the purifier. As we know the coconut is antibacterial agent and therefore it inhibits the growth of microbes and removes smell, odor and enhances the drinking water taste too.

KNL Healthy Drops water flow diagram:



Installation guidelines:

1. The water purifier must be installed in shade area, protect from direct sunlight, rain and hot water above 40 degree Celsius
2. The waste water tube must be kept lower than the water purifier else it will create extra back pressure inside the inline filters and booster pump and will harm machine and water quality too.
3. Pre Filter must be installed within 1-3 feet of distance from the water purifier in parallel line or may be above the purifier suitably but must not be installed lower than the level of the purifier machine.
4. The purified water after the membrane is diverted in two directions using two control valves to regulate the flow of purified water that passes through Post carbon block filter and AAA filter. The two regulators are used to adjust the pH value & minerals in drinking water. The ideal pH value is recommended between pH 7.2 to pH 8. More than pH 8, the drinking water becomes more alkaline which is not good for health in long run.
5. There must be space above of the water purifier of at least 1 ft so that the head cover can be operated comfortably

User guidelines:

1. Avoid feeding dirty/cloudy water supply else it will clog Pre-filter early. Pre-filter is not covered under warranty/guarantee. If raw water is clean/crystal clear transparent, the usual life of the pre filter is 4 to 5 months. It is recommended to change the filter periodically.
2. Keep always clean and hygiene around the water purifier
3. The effective life of the inline filters including membrane is around 10,000/- liters or 12 months whichever is earlier and accordingly get the service done of your water purifier.

Installation Report



Product: **KNL Healthy Drops**

Model No.:

Invoice No.:

Invoice Date:

Customer's Name

Customer's Address:

Customer's Ph.: Installation Date:

Customer's email id:

Customer's feedback:

Customer's Signature

Service provider's/ASP Name:

Service Provider's/ASP Address:

TDS & pH of Purified Water:

TDS & pH of Raw Water:

Service Provider's Ph.:

Service Provider's Signature:

By signing on this installation report, the customer hereby agrees to the terms & conditions of warranty mentioned on the back side of the warranty card.

Terms and Conditions of warranty

KNL Trading Co. warrants all new products manufactured/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 installation by the first end-user. During this Warranty period of one year, KNL Purifiers or its Authorised Service Provider (ASP) will replace or repair any part of KNL Purifiers, that in the opinion of KNL Purifiers or its ASP, would be defective in operation due to faulty material or workmanship (i.e. manufacturing defects) with the exception of consumables such as Sediment Filter, Carbon Filter and RO/UF Membrane. However, if the RO/NF/UF Membrane and/or if the inline filter/s gets clogged within first six months, they shall be cleaned / repaired / replaced at no extra charge.
2. The product's plastic body is not covered under Warranty and hence, it must be handled with care to guard against breakage/scratches.
3. The original purchaser of the unit can avail services under Warranty at the point of sale, by producing the damaged part(s) along with the original invoice.
4. 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.
5. Product returned to KNL Purifiers or its ASP for Warranty examination must be shipped freight prepaid.
6. KNL Purifiers or its ASP shall not be held liable for claims exceeding the cost of repair of the defects in workmanship.
7. This Warranty Agreement shall not be interpreted to render KNL Purifiers or its ASP liable for injuries or damages of any kind -direct, consequential or contingent to persons or property.
8. KNL Purifiers 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 Majeures: such as, but not limited to, floods, earthquakes, transportation strikes, labour disputes with outside suppliers or any other conditions beyond the control of KNL Purifiers or its ASP.
9. KNL Purifiers or its ASP shall not be held liable for repair or alterations made without prior written approval; for products clogged by suspended matter, precipitates or biological growth; or for failures growth; or for failures resulting from the lack of proper maintenance.
10. KNL Purifiers or its 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 Purifiers, since KNL Purifiers or its ASP does not have any control over the maintenance and usage of water purifier.
11. This Warranty Agreement excludes all products/component 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 Purifiers or its ASP, or that have been repaired with component parts other than those manufactured by or obtained from KNL Purifiers or its ASP. Damage 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.
12. KNL Purifiers reserves the right to alter or improve design and specifications at any time, without any contingent obligations to prospective buyers or owners of the products previously sold.
13. Any disagreements and obligations based upon the purchase of KNL Purifiers products and thereby imposed on KNL Purifiers or its ASP shall be governed by and construed according to the laws of INDIA and subject to the jurisdiction of Delhi Courts only.
14. KNL Purifiers or its ASP assumes no Warranty 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.
15. Under no circumstances, the liability of KNL Purifiers or its ASP shall exceed the value of the product.
16. Under no circumstances are the terms mentioned above negotiable and no employee of KNL Purifiers or its ASP has the authority to supersede them.