

**KENT**  
Ultra Violet  
Water Purifiers  
HOUSE of PURITY



**Marketed by:**  
**KENT RO SYSTEMS LTD.**  
E-6, 7 & 8, Sector-59, Noida, U.P.-201 309, India.  
E-mail: sales@kent.co.in | Website: www.kent.co.in

**Manufactured by:**  
**KENT RO SYSTEMS LTD.**  
1. Khasra No. 93, Village-Bantakhedi, Tehsil-Roorkee,  
District-Haridwar, Uttarakhand-247 668, India.  
2. A-6, Sector-87, Noida-201305, U.P., India.

**For customer complaints, contact Customer Care officer at:**  
E-6, 7 & 8, Sector-59, Noida, U.P.-201 309, India. Call: 92-789-12345  
E-mail: service@kent.co.in or Visit us at www.kent.co.in

**KENT ULTRA**  
UV WATER PURIFIER

**Instruction handbook  
for Installation, Operation  
and Maintenance.**



**KENT**  
Ultra Violet  
Water Purifiers

HOUSE of PURITY

3 Stage Advanced  
UV Water Purifier



February, 2019

## Welcome to KENT

Dear Customer,

At the outset, allow us to thank you for your trust in **KENT** water purifiers. We take pride in our reputation for product quality and industry proven performance. We are certain that your decision to own **KENT ULTRA** water purifier will go a long way towards keeping you and your family in good health. We are confident that you will be satisfied with its performance and that it will serve your need for safe and clean drinking water.

This guide will help you get the best out of your water purifier. Please go through this booklet to familiarize yourself with its operation and maintenance.

You can look forward to years of trouble free service. To ensure that the warranty of your water purifier is effective, it is important that you fill up the enclosed warranty card and mail us the installation report within 15 days of purchase. In case you need any further information, contact your nearest KENT dealer or branch.

**Best Wishes**

**KENT RO SYSTEMS LTD.**

## Table of Contents

1. Introduction .....	1
2. Your Water Purifier and its Parts .....	1
3. Important Instructions .....	2
4. A look at the UV Process .....	3
5. Stages of Water Treatment .....	3
6. UV Fail Alarm .....	3
7. Purification Flow Chart .....	4
8. Electrical Circuit Diagram .....	4
9. Installation Instructions .....	5
10. Starting-up the Purifier .....	7
11. Technical Specifications .....	7
12. Maintenance Tips .....	8

## Introduction

Presenting the **KENT ULTRA** water purifier; Its Ultra Violet (UV) purification technology is highly effective in killing bacteria & viruses and also reduces all kinds of residual impurities ensuring safe drinking water.

a) **KENT ULTRA** water purifier comes with the following modern features:

- Effective against bacteria, viruses and all kinds of residual impurities including chlorine.
- User-friendly and environmentally safe. Its easy-to-handle process is devoid of any dangerous chemicals or risks factors of overdosing.
- Completely disinfects water without changing its taste, odour and pH scale. With constant conductivity, the general chemistry of water is not hampered.
- Easy to install, all that it requires is a water connection and a power supply.

b) How is **KENT ULTRA** better than other UV based purifiers:

- Wall mountable - best suited for Indian homes and offices.
- Polypropylene (PP) food grade plastic body - for corrosion free service
- Carbon Block Filter Technology- for added protection from bacteria.
- Incorporates UV fail alarm which beeps if UV Lamp is not functional.

## Your Water Purifier and its Parts

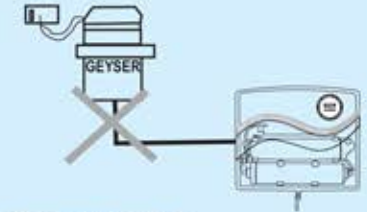
Please check the following items in the packaged box:

1. <b>KENT ULTRA</b> Water Purifier	:	1 No.
2. 3-Way Connector	:	1 No.
3. S.S. Ball Valve	:	1 No.
4. Food Grade Pipe ¼ inch (White)	:	2.5 Meters
5. Instruction Manual	:	1 No.
6. Screws & Plastic Inserts	:	2 Nos. each
7. Sticker Center Drill	:	1 No.

## Important Instructions



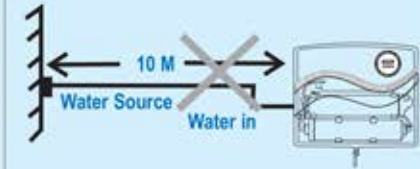
Avoid exposure to direct sunlight and installation in damp areas.



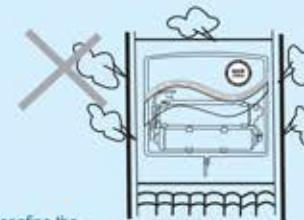
Make sure that the purifier is connected to cold water supply only.



Use Genuine Kent spares for optimum performance



The maximum distance between the raw water source and the purifier should not be more than 3 meters.



Do not confine the purifier in any kind of cabinet.

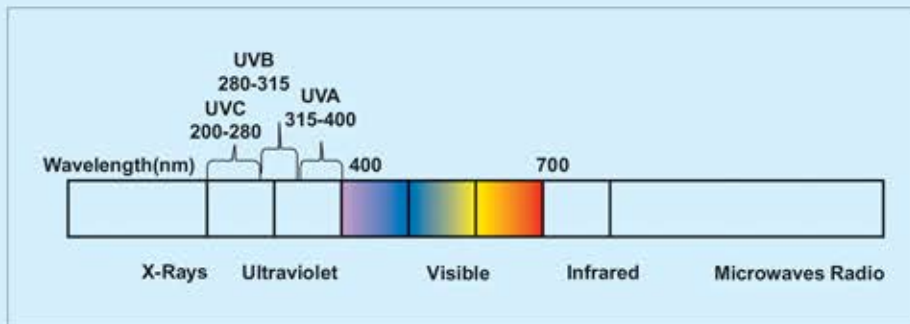


Do not try to service the product on your own. Instead, call service technician for help.

## A look at the UV Process

The UV light has shorter wavelength (higher energy) than the visible light. Since it comes after the violet light in the light spectrum, it is termed as ultraviolet light. Technically, the wavelength of ultra violet is shorter than 400 nanometer, so it is also termed

as electromagnetic radiation. UV-C rays (photons) penetrate into micro-organisms and directly get absorbed in the DNA content of the pathogen. Finally, the DNA is modified in such a way that it stops further reproduction of the organism.



## Stages of Water Treatment

Following are the stages of water treatment:

- Stage 1 : Inline Sediment
- Stage 2 : Inline Carbon
- Stage 3 : UV Chamber

## UV Fail Alarm

KENT ULTRA has an inbuilt alarm that goes on when the UV Lamp stops drawing sufficient current from the power source. With the help of this unique feature, the

user knows whether the UV Lamp is working properly or not. In such circumstances, kindly switch off the purifier and call service technician for help.

## Warranty Card

Product: KENT Ultra

Product Code: 11012

Serial No.: ..... Dealer Stamp: .....

### Customer Details:

Customer's Name: \_\_\_\_\_

Customer's Address: \_\_\_\_\_

Customer's Ph. No.: \_\_\_\_\_

### Warranty Details:

Invoice Date: \_\_\_\_\_ Invoice No.: \_\_\_\_\_

Date of Installation: \_\_\_\_\_ Stamp of Service Provider: \_\_\_\_\_



Marketed by: **KENT RO SYSTEMS LTD.**  
 E-6,7 & 8, Sector-59, Noida, U.P.-201 309, India.  
 E-mail: [service@kent.co.in](mailto:service@kent.co.in) Website: [www.kent.co.in](http://www.kent.co.in)  
 Customer Care: 92-789-12345

## Terms & Conditions of Warranty

KENT Purifiers warrant all new products manufactured by it to be free from defects in material and workmanship under normal usage and service from the date of installation as under:

1. The Warranty period commences from the date of installation by the first end-user. During this Warranty period of one year, KENT Purifiers or its Authorised Service Provider (ASP) will replace or repair any part of KENT Purifiers, that in the opinion of KENT 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/UF Membrane gets clogged within first one year and/or if the filters get 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.
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 municipal water or well water conditions or is subjected to the temperature above 40°C.
5. Product returned to KENT Purifiers or its ASP for Warranty examination must be shipped freight prepaid.
6. KENT 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 KENT Purifiers or its ASP liable for injuries or damages of any kind - direct, consequential or contingent to persons or property.
8. KENT 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 KENT Purifiers or its ASP.
9. KENT 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 resulting from the lack of proper maintenance.
10. KENT 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 KENT Purifiers, since KENT 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 KENT 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 KENT Purifiers or its ASP, or that have been repaired with component parts other than those manufactured by or obtained from KENT 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. KENT 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 KENT Purifiers products and thereby imposed on KENT 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. KENT 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. KENT 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 KENT 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 KENT Purifiers or its ASP has the authority to supersede them.

Affix  
Stamp  
here

To,

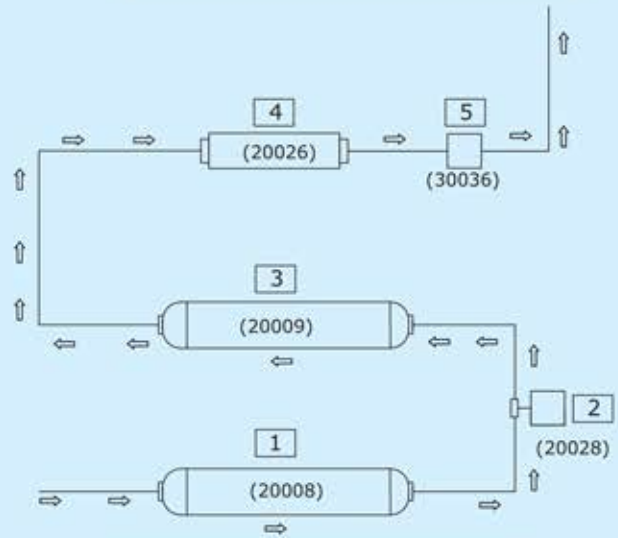
**KENT RO SYSTEMS LTD.**

E-6, 7 & 8, Sector-59, Noida, U.P.-201 309, India.

Ph.: 92-79-12345

E-mail: [service@kent.co.in](mailto:service@kent.co.in) | Website: [www.kent.co.in](http://www.kent.co.in)

## Purification Flow Chart

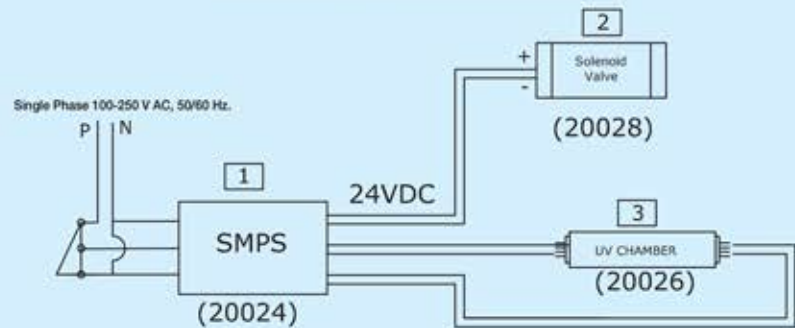


S.NO.	SPARE PART CODE	ITEM DESCRIPTION
1	20008	SEDIMENT FILTER
2	20028	SOLENOID VALVE
3	20009	ACTIVATED CARBON FILTER
4	20026	UV CHAMBER
5	30036	TDS CONTROL VALVE

*NOTE: Modification in the product may be introduced from time to time and consequently the details given in this manual are subject to alteration without any prior notice.*

## Electrical Circuit Diagram

S.NO.	SPARE PART CODE	ITEM DESCRIPTION
1	20024	SMPS
2	20028	SOLENOID VALVE
3	20026	UV CHAMBER
4	20025	UV LAMP



## Installation Report

Product : **KENT ULTRA**

Serial No. \_\_\_\_\_

Invoice No. \_\_\_\_\_  
 Invoice Date \_\_\_\_\_  
 Installation Date \_\_\_\_\_

Customer's Name \_\_\_\_\_  
 Customer's Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Service Provider's Name: \_\_\_\_\_  
 Service Provider's Address \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Customer's Ph. \_\_\_\_\_  
 TDS of Purified Water \_\_\_\_\_  
 Customer's Signature \_\_\_\_\_

Service Provider's Ph. \_\_\_\_\_  
 TDS of Raw Water \_\_\_\_\_  
 Service Provider's Stamp \_\_\_\_\_

*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.*

## Installation Instructions

The KENT ULTRA Purifier is a product of advanced technology that ensures safe and clean drinking water. The purifier is easy and convenient to install.

### Recommended Site Preparations :

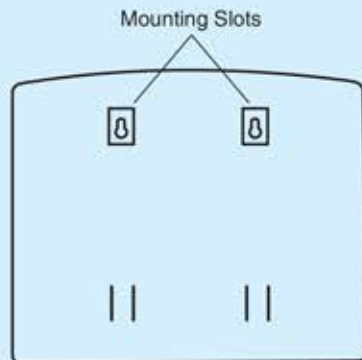
- Single phase 100-250 V AC, 50/60 Hz, connection not more than 3 meters away from the point of installation.
- Raw water supply with ½ inch nipple, not more than 3 meters away from the point of installation.
- Space as per dimensions of the purifier.
- Wall/plane surface for mounting two screws and holding the water purifier.
- The system and installation must comply with applicable state and local laws & regulation.

### Special Instructions:

1. KENT ULTRA is a wall mountable purifier. Make sure that it is only mounted on a wall. Avoid installation on wooden and metallic stands.
2. It is preferable to install the purifier near a sink so that raw water supply is easily available.

### Installation Procedure:

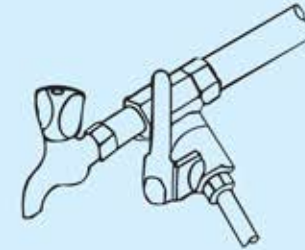
1. Screw in the two 10x50 self tapping screws (supplied with the package) on a same horizontal level at a distance of 141 mm from each other in the wall.
2. Carefully hang the purifier on the wall with the help of wall mounting slots present on the back side of the purifier as shown in the figure below.



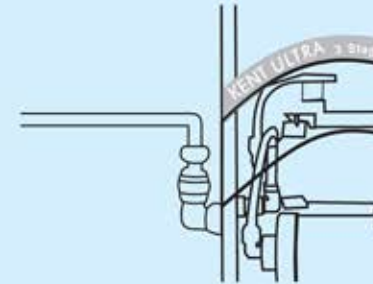
3. Fix the SS ball valve to the ¼ inch port of the 3-way connector as shown in the figure.



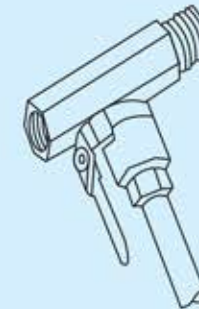
4. Connect the 3-way connector to the raw water supply as shown in the figure. The threaded end of the 3-way connector is fitted in line with the raw water supply. The other end can be connected to a tap or can be plugged off if not required.



5. Connect one end of the white pipe to the SS ball valve and other end to the lower hex connector on the left hand side of the purifier, which is labeled as WATER IN with the help of connector nuts.



6. Before connecting the electric supply, it is important that you perform the following functions:
  - (i) Open the SS ball valve (Handle parallel to the ball valve) to start the flow of water into the purifier.



- (ii) Wait for 2-3 minutes to ensure that the two pre-filters are soaked in water.

## Starting-up the Purifier

1. Remove the front cover of the water purifier.
2. Switch on the electrical supply and the power switch of the water purifier.
3. Check the flow rate of the purified water. For effectiveness of the UV treatment, the flow rate of the purified water should not be more than 1 LPM. Adjust the flow rate of the purified water by adjusting the needle control valve.
4. Once the desired flow rate is achieved, switch off the power supply and put back the front cover.
5. The purifier is now ready for use.

## Technical Specifications

Product	KENT ULTRA
Product Code	11012
Product Generic Name	Water Purifier
Product Colour	White
Body Material	PP Food Grade Plastic
Mounting	Wall Mounting
Dimensions (mm)	395 (L) x 136 (W) x 340 (H)
Purification Production Rate	60 L/hr. (Depending on Inlet Water Pressure)
Inlet Water Pressure/Temp. (min.)	0.3 kg. / cm <sup>2</sup> / 10°C
Inlet Water Pressure/Temp. (max.)	4.0 kg. / cm <sup>2</sup> / 40°C
UV Lamp Wattage	11 W
Life of UV Lamp	5000 hrs. of operation
Total Power Consumption	36 W
Input Power Supply	Single Phase 100-250 V AC, 50/60 Hz. 
Net Weight	3.90 kg.

## Maintenance Tips

To ensure that the purifier operates at its optimum level, a routine maintenance must be performed. The frequency of the maintenance will greatly depend on raw water quality and consumption of purified water.

- Replace sediment and activated carbon filter after every 12 months, depending on the raw water quality and consumption.
- UV Lamp should be replaced once a year.
- If the purifier is not going to be used for a long time (in case you are on a holiday, tour or out of home), make sure that you disconnect the power supply and turn off the raw water supply.

Note : Filters are consumables. Their replacement time is dependent on the quality of raw water and water consumption. They are not covered under the warranty. However, if the filters choke within 6 months, they will be cleaned / repaired / replaced free of cost. Changing the filter and system inspection is available on call.