

KENT *Gold*

KENT

UF Membrane

Water Purifiers

HOUSE of PURITY

Make Water Pure to Protect from Waterborne Diseases



System Tested and Certified
by IAPMO R&T to NSF/ANSI
42 for the reduction of
Chlorine, Taste and Odor.



System Tested and Certified
by NSF International against
NSF/ANSI Standard 42 for
the reduction of Chlorine and
nominal particulate class II



System Tested & Certified by
WQA to NSF/ANSI 42 for the
reduction of Chlorine,
Taste & Odor only as verified
and substantiated by test data



Gravity Water Purifier

Water Purified by UF Membrane
No Chemicals like Chlorine or Bromine etc used.

Welcome TO KENT

Dear Customer,

Welcome to the world of KENT, the leaders of the water purification industry in India. With a KENT product you have all the reasons to smile. At KENT, we take pride in the quality and laboratory-tested performance of our products.

We are confident that your decision to own the KENT Gold UF Membrane Storage Water Purifier will go a long way in serving you with safe and clean drinking water—thus keeping you and your family in good health. We assure you that you will be satisfied with its performance and quality, which comes without any compromise.

This manual is an effort towards familiarising you with the operation and maintenance of your KENT Gold. Before operating the unit, please read the manual thoroughly and retain it for future reference. Should you need further assistance or information, do not hesitate to contact your nearest KENT dealer or branch.

Best Wishes,

KENT RO SYSTEMS LTD.



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Introduction

Presenting the all new KENT Gold UF Membrane Storage Water Purifier, which gives you truly purer water and protects your family against waterborne diseases. With the innovative KENT Gold, dependence on electricity and usage of chemicals to obtain purer drinking water are now problems of the past.

At the heart of KENT Gold is a state-of-the-art Hollow Fiber UF (Ultra Filtration) Membrane. The pores of this UF Membrane are so fine that they Do not allow any Bacteria (Tested for UF membrane, by Toray Japan) to pass through. This makes drinking water purer without use of any chemicals like Chlorine, Bromine or Iodine.

Items in the Box

Please verify the following items are in the packaged box:

1. Bottom Tank	1 No.
2. Top Tank	1 No.
3. Bottom Stand	1 No.
4. Middle Partition	1 No.
5. Top Cover	1 No.
6. Top Lid	1 No.
7. Carbon Assembly with Inlet Funnel	1 Set
8. Hollow Fiber UF Membrane Cartridge	1 No.
9. Spare Sediment Filter	1 Set
10. 50ml Cleaning Syringe	1 No.
11. Membrane Fitting Pusher	1 No.
12. Instruction Manual	1 No.
13. Tap	1 No.

Salient Features

- Ideal for Tap water or Municipal Corporation water supply.
- Use of Hollow fiber UF membrane reduces Bacteria (Tested for UF membrane, by Toray Japan).
- No use of chemicals such as Chlorine, Bromine or Iodine for purification. Thereby providing healthy and tasty drinking water.
- Use of Activated Carbon Filter for better disinfection of water.
- Designed with a high Bottom Stand so that a glass can be filled easily and the purifier is not bound to be placed on the edge of a table/slab.
- Very high storage capacity of 20 litres (13 litres in the Bottom Tank and 7 litres in the Top Tank), which makes purified water available on demand.
- Food grade plastic construction for trouble free maintenance and long life.

Technical Specifications

Marketed By	: KENT RO SYSTEMS LTD. E-6, 7 & 8, Sector-59, Noida, U.P.- 201 309, India. Email: sales@kent.co.in
Product	: KENT Gold UF Membrane Storage Water Purifier
Product Code	: 11014
Product Generic Name	: Water Purifier
Product Colour	: White
Mounting	: Table-top
Dimensions	: 325 (L) x 355 (W) x 520 (H) (when assembled)
Bottom Tank Storage Capacity	: 13 litres
Upper Tank Storage Capacity	: 7 litres
Membrane Type	: UF Membrane
Filters	: Sediment, Activated Carbon, SS Screen
Expected Life Of UF Membrane	: 4000 litres/1058 gallons
Expected Life Of Carbon Filter	: 1800 litres/475 gallons
Maximum Operating Water Temperature	: 35°C/95°F
Minimum Operating Water Temperature	: 10°C/50°F
Filtration Flow Rate	: 0.31 litre per minute
Purification Capacity	: 5.8 gallons/day

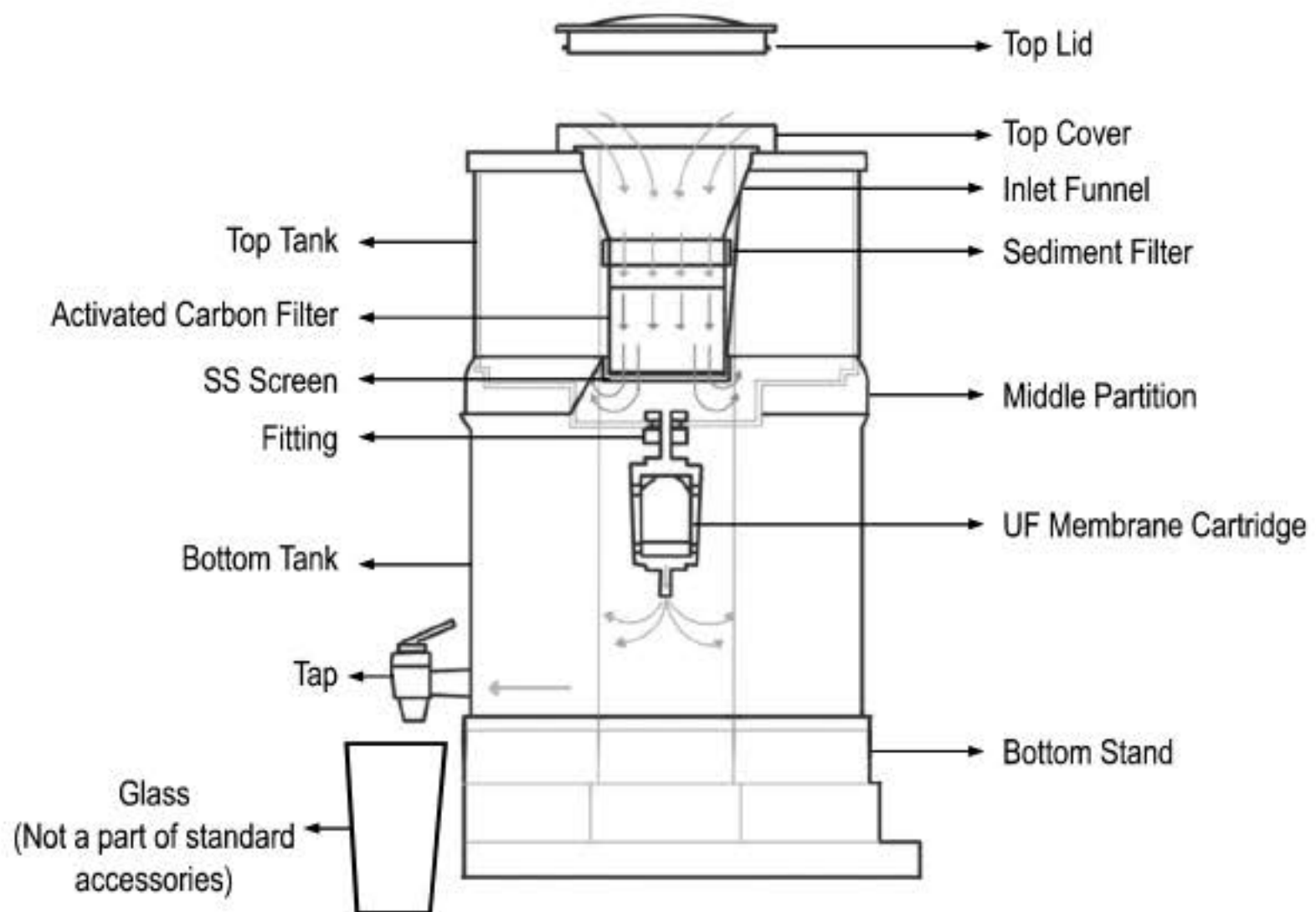
WQA Performance Data: This system has been tested according to NSF/ANSI 42 for reduction of the substances listed below. The concentration of the indicated substances in the water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42."

Substance	Influent challenge concentration	Reduction requirement
Chlorine	2.0 mg/L ± 10%	≥50%

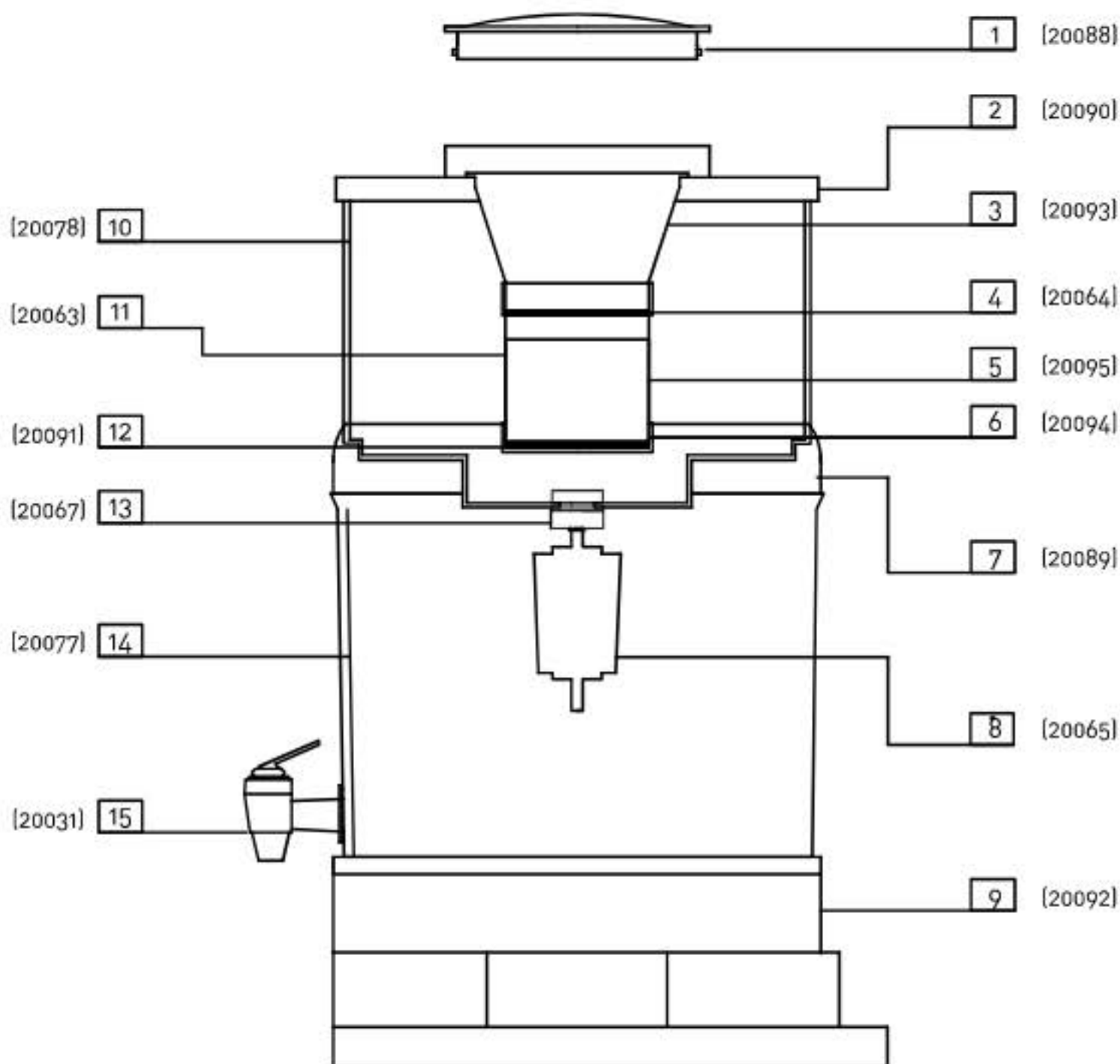
"Gold filters are certified by WQA to NSF/ANSI 42 for the reduction of chlorine, foul taste and odor as verified and substantiated by test data."

(Though testing was performed under standard laboratory conditions, actual performance may vary.)

Know Your KENT Gold



Exploded View of KENT Gold



NOTE*:- ITEM NO. 4,8 & 11 COMES IN A KIT (20062)

S.no	KENT Spare Part Code	Item Description
1	20088	Top Lid
2	20090	Top Cover
3	20093	Inlet Funnel
4	20064	Sediment Filter
5	20095	Carbon Housing
6	20094	Carbon Housing Cap
7	20089	Middle Partition
8	20065	UF Membrane
9	20092	Bottom Stand
10	20078	Top Tank
11	20063	Gran. Activated Carbon
12	20091	SS Mesh
13	20067	Collect Fitting Assembly
14	20077	Bottom Tank
15	20031	Tap
16	20062	Gold Spare Kit

Important Instructions

1. Avoid exposure to direct sunlight as overheating can damage the purifier's plastic body.
2. Do not confine the purifier in a cabinet.
3. Keep both the storage tanks clean. They should be washed and properly rinsed once in every 7 days with purified water.
4. The Sediment and Carbon filters should be cleaned at least once in every 30 days or earlier, as per the quality of tap water. (May be weekly, if the water is dirty).
5. The UF Membrane should be backwashed at least once in every 30 days or earlier, as per the quality of the tap water. (May be weekly, if the water is dirty).
6. The Sediment Filter must be changed after every 3 months.
7. The Carbon Filter must be changed after every 6 months.
8. The UF Membrane must be changed once in every 12 months.
9. Do not fill water in the Top Tank if the water level in the Bottom Tank is above the maximum permissible level mark, otherwise it will result in overflow.
10. On the date of installation, note down the date of next change for Filters and Membrane (as advised in nos. 6, 7 & 8 above) on the sticker placed on the rear side of the purifier. This will help you in remembering the dates of change for the respective parts.
11. The system should be used only with cold water.
12. Do not use water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system.
13. The system and installation must comply with applicable state and local laws and regulations.

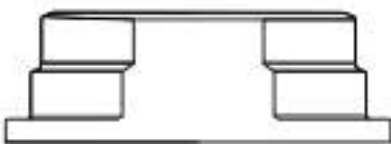
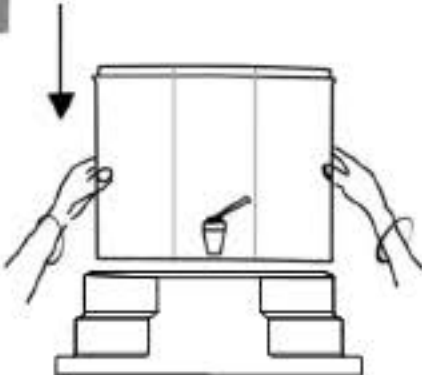
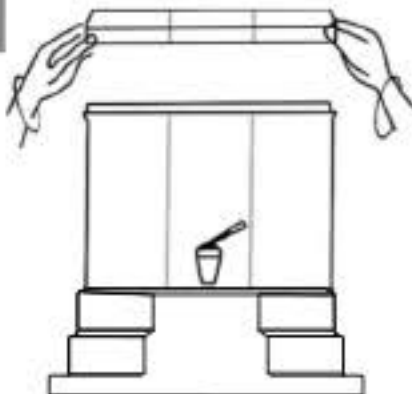
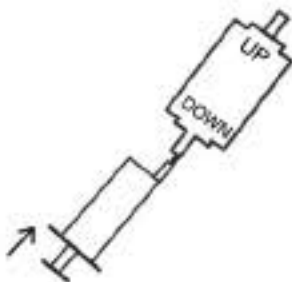
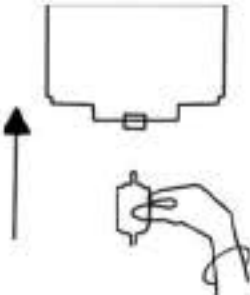
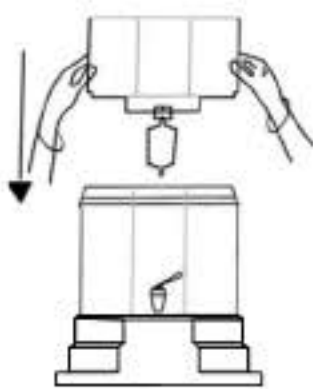
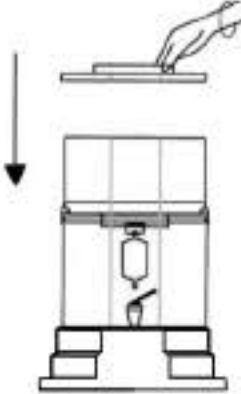

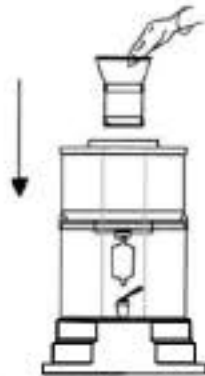
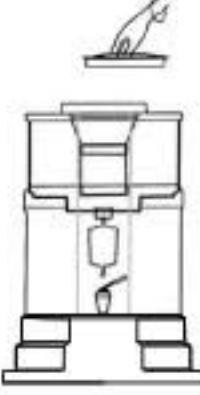
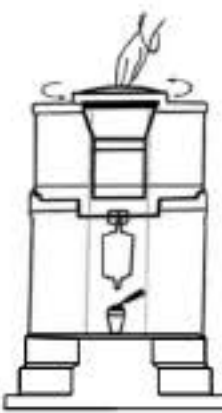
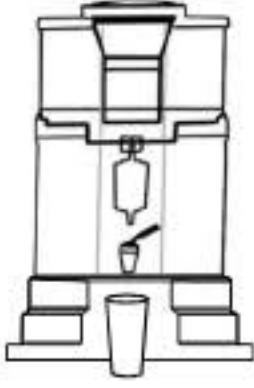
Filtration Process

Tap water or Municipal Corporation water should be filled in the Top Tank, which has a capacity of 7 litres. Water on being filled up passes through the Sediment Filter which reduces the suspended impurities. It then passes through activated carbon granules, which reduces organic/chemical impurities such as chlorine, bad taste and odor.

The filtered water gets collected in the Top Tank, and then percolates down through the UF membrane into the Bottom Tank. During this process, most of the bacteria (Tested for UF membrane, by Toray Japan) are reduced and only clean & safe drinking water is allowed to pass through. This purified water collects in the Bottom Tank from where it can be dispensed for drinking.

Setting up Your KENT Gold

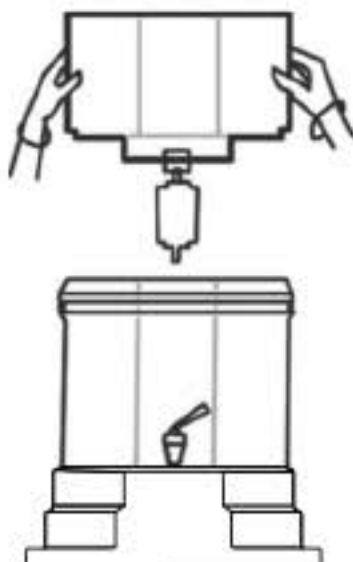
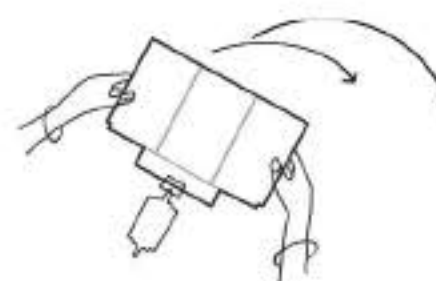

Open the box and remove the parts. Tally the contents with the 'Items in the Box' list (page no. 1). Wash all the plastic parts with clean water and wipe dry with a clean cloth before assembling.

<div>1</div> <div></div> <div>Place the Bottom Stand on a flat surface.</div>	<div>2</div> <div></div> <div>Place the Bottom Tank on top of the Bottom Stand.</div>	<div>3</div> <div></div> <div>Place the Middle Partition on top of the Bottom Tank.</div>
<div>4</div> <div></div> <div>Take 50 ml of pure water in the syringe and inject it inside the membrane cartridge (opposite to the direction of flow) to wet the new membrane.</div>	<div>5</div> <div></div> <div>Push-fit by pressing the UF Membrane into the fitting of Top Tank. Important: Take precaution to insert the UF Membrane in the direction opposite to that of the water flow.</div>	<div>6</div> <div></div> <div>Place the Top Tank with the UF Membrane on the Middle Partition.</div>
<div>7</div> <div></div> <div>Place the top cover on the Top Tank.</div>	<div>8</div> <div></div> <div>Before Installing the Filter assembly, wash it under a running tap (shake if required) to remove Carbon particles from the new Filter.</div>	<div>9</div> <div></div> <div>Install the Inlet Funnel with Sediment and Carbon Filter assembly.</div>
<div>10</div> <div></div> <div>Place the Top Lid on top of the tank.</div>	<div>11</div> <div></div> <div>Tighten the Top Lid by pressing it down and rotating it clockwise.</div>	<div>12</div> <div></div> <div>The Purifier assembly is now ready.</div>

- After assembly, kindly wait till the filtration is complete.
- Water which gets collected in the Bottom Tank, for the first time, should be drained (Even if all parts are washed thoroughly before installation).
- Once the Top Tank is empty, fill it again but only after checking the level of water in the Bottom Tank.
- If the water level in the Bottom Tank is above the maximum permitted level, please do not fill the Top Tank (However, you can completely fill the Top Tank if the level of water in the Bottom Tank is below the maximum level mark).
- For refilling the purifier, rotate the Top Lid and remove it. Pour the unpurified water slowly into the Inlet Funnel, ensuring that water does not overflow.
- Initially, Sediment Filter will take approximately 2 minutes to filter 7 litres of unpurified water. (With regular usage, the time taken for filtration may increase. At that stage, the filter must be cleaned).
- After filling the Top Tank, close the Top Lid.

Maintaining Your KENT Gold

Part 1: Cleaning of UF Membrane

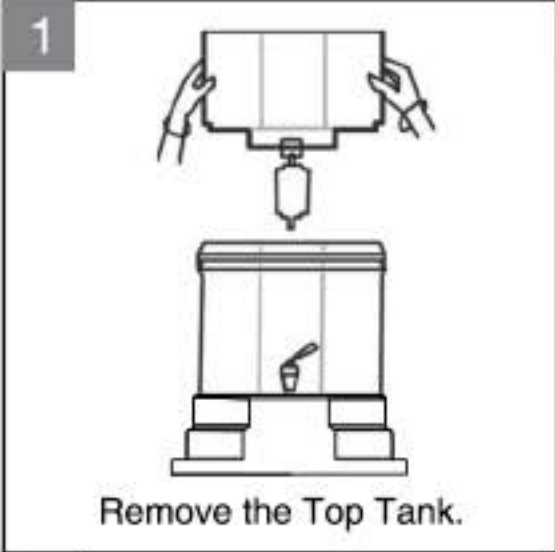

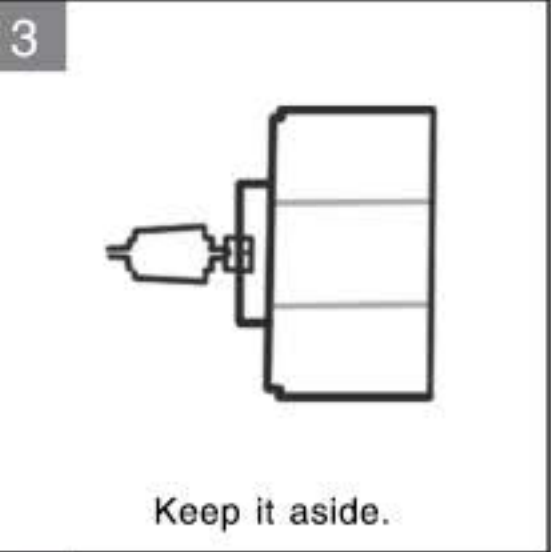
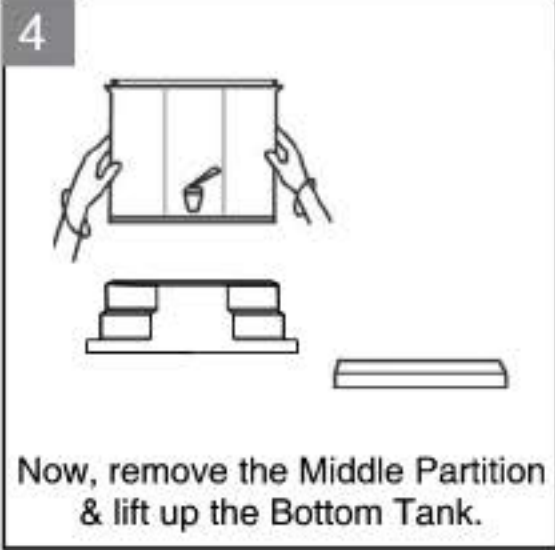

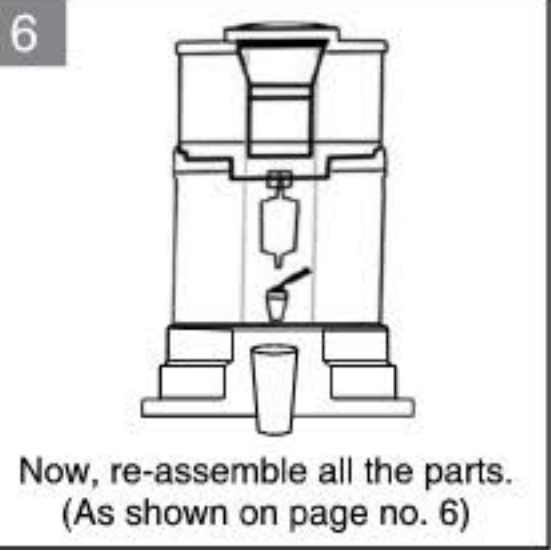
<div>1</div>  <p>Remove the Top Tank.</p>	<div>2</div>  <p>Turn the Top Tank upside down.</p>	<div>3</div>  <p>Place it on a horizontal surface; Take 50 ml of pure water in the given syringe. Fit the syringe into the opening of the membrane cartridge and slowly discharge water from the syringe into the cartridge (back-flushing). Doing this once is sufficient. However, repeat if required.</p>
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Frequency:

- The UF Membrane should be cleaned at least once every month. However, if the water flow from Top Tank to the Bottom Tank reduces markedly during this period, the Membrane can be cleaned even earlier.
- It is important to change the UF Membrane once a year.
- For all replacement elements such as Sediment Filter, Carbon Filter, UF Membrane etc., kindly contact authorised dealers of KENT RO Systems Ltd. or Customer Care as per the address given on the back of the booklet.
- Replacement of spare parts are as under:

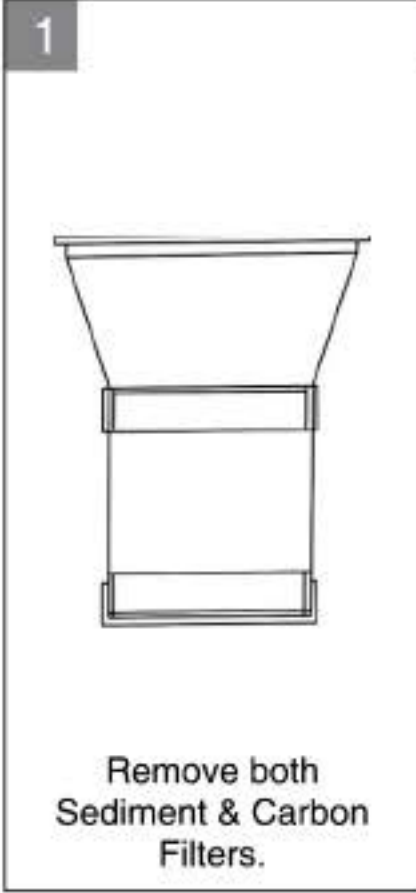

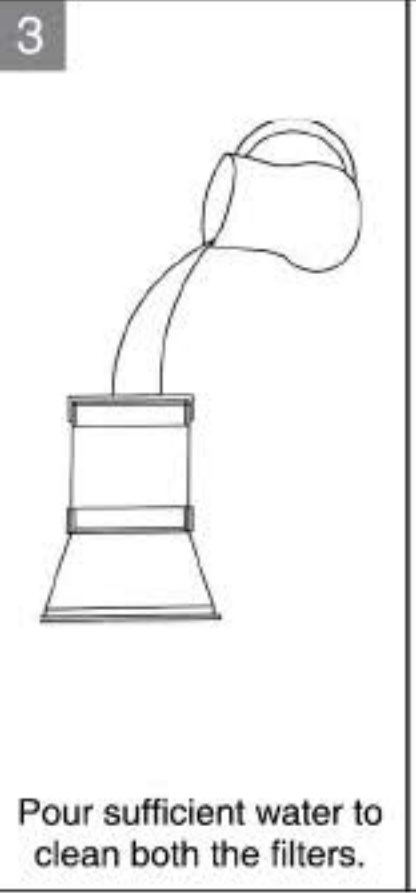
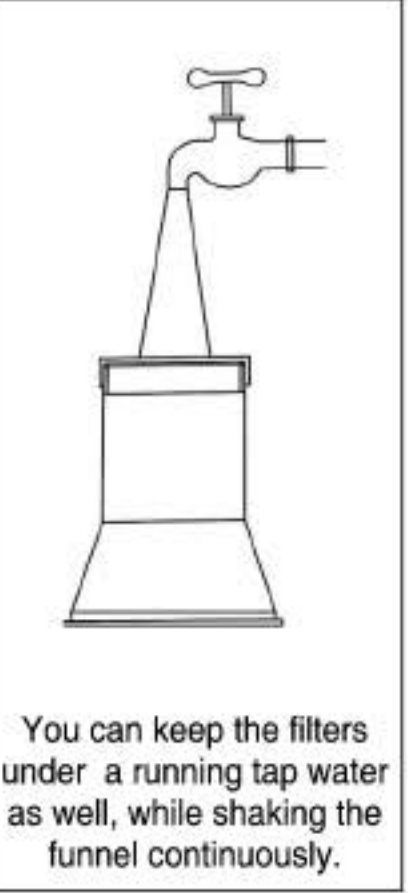
SPARE CODE :		DESCRIPTION
20062	20065	: SP UF Membrane KENT Gold
	20063	: SP Activated Carbon 190 gm.
	20064	: SP Sediment Filter KENT Gold

Part 2: Cleaning the Water Tanks

<div>1</div>  <p>Remove the Top Tank.</p>	<div>2</div>  <p>Place it under a running tap or pour water from a jug, and shake for cleaning.</p>	<div>3</div>  <p>Keep it aside.</p>
<div>4</div>  <p>Now, remove the Middle Partition & lift up the Bottom Tank.</p>	<div>5</div>  <p>Place the Bottom Tank under a running tap or pour water from a jug, and clean by shaking it.</p>	<div>6</div>  <p>Now, re-assemble all the parts. (As shown on page no. 6)</p>

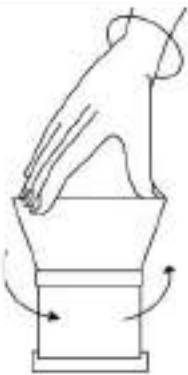



Frequency: Both water tanks must be cleaned once a week.

Part 3: Cleaning the Sediment & Carbon Filters

<div>1</div>  <p>Remove both Sediment & Carbon Filters.</p>	<div>2</div>  <p>Keep them upside down.</p>	<div>3</div>  <p>Pour sufficient water to clean both the filters.</p>	<div></div>  <p>You can keep the filters under a running tap water as well, while shaking the funnel continuously.</p>
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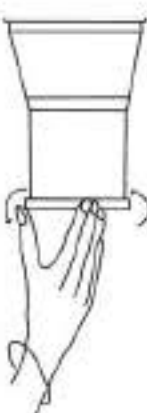
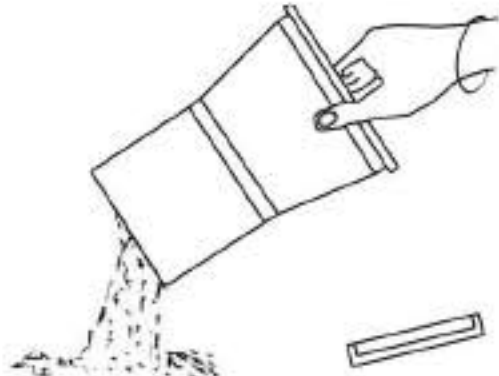
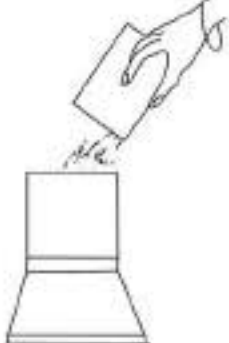

Frequency: Both Sediment & Carbon Filters must be cleaned once a week.

Part 4: Replacing the Sediment Filter

<p>1</p>  <p>Separate the filter housing from the Inlet Funnel by unscrewing it.</p>	<p>2</p>  <p>Remove the old Sediment Filter.</p>
<p>3</p>  <p>Fix the new Sediment Filter.</p>	<p>4</p>  <p>Fix the filter housing with the Inlet Funnel by screwing it accordingly.</p>

Frequency: The Sediment Filter should be changed after every 3 months.

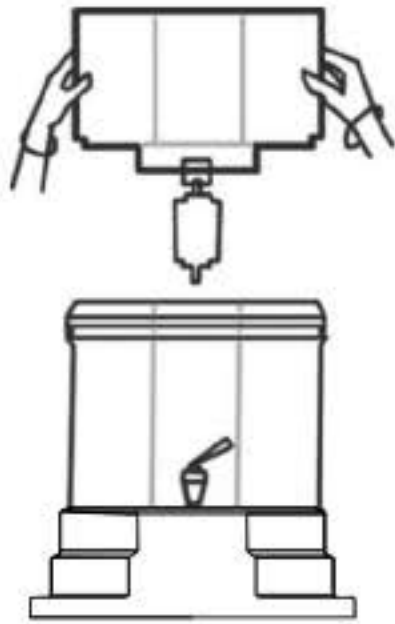
Part 5: Replacing the Carbon Filter

<p>1</p>  <p>Unscrew the bottom cap of the filter housing.</p>	<p>2</p>  <p>Empty the old Carbon granules on a sheet of paper.</p>
<p>3</p>  <p>Now, pour the new Carbon granules from a pack of genuine KENT consumables.</p>	<p>4</p>  <p>Tighten the bottom cap of the filter housing. Wash the new Carbon Filter (shake if required) under a running tap to remove carbon particles from the new carbon granules.</p>

Frequency: The Carbon Filter should be changed after every 6 months.

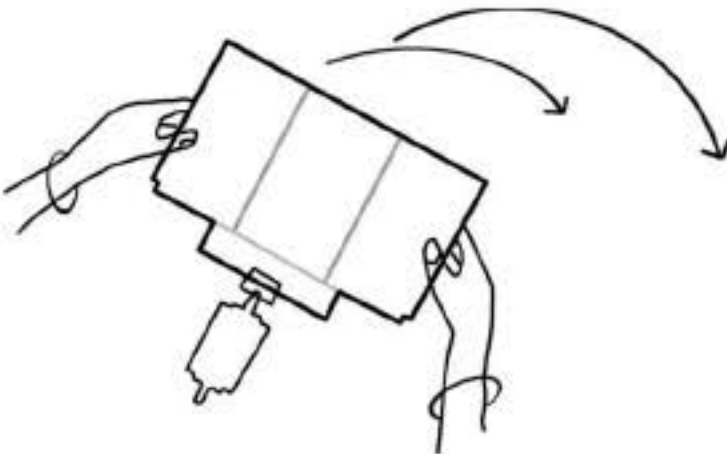
Part 6: Replacing the UF Membrane

1



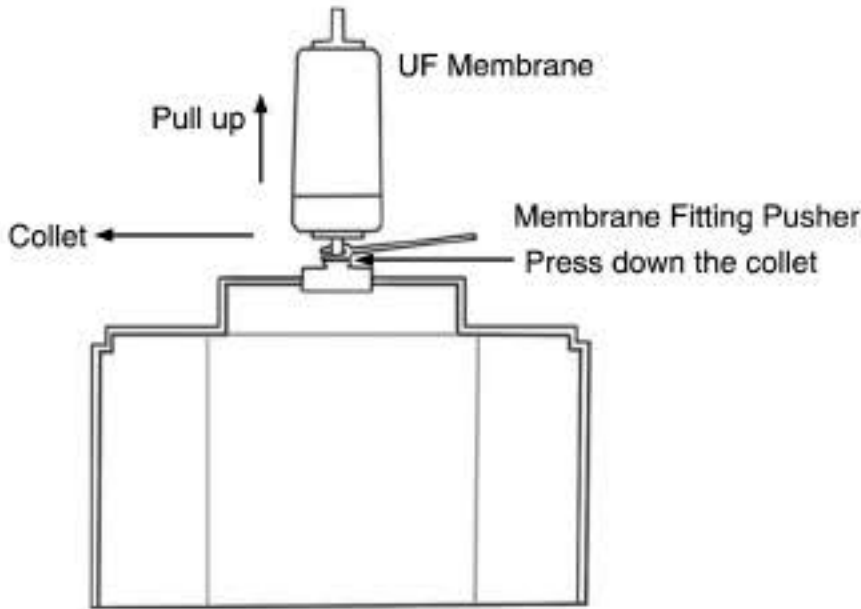
Remove the top tank.

2



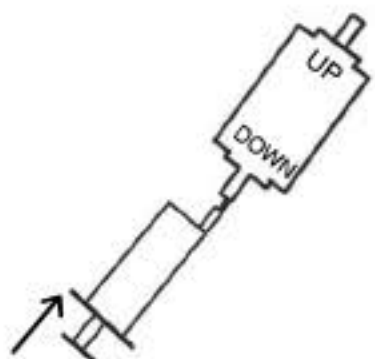
Place it upside down.

3



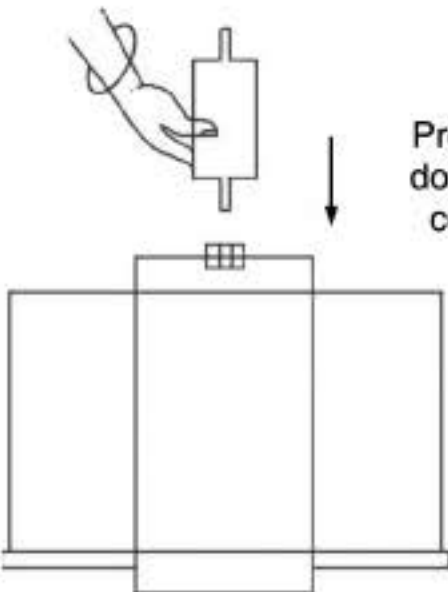
Press the collet down with the help of Membrane Fitting Pusher. While the collet is kept pressed down, pull up the membrane cartridge.

4



Take 50 ml of pure water in the syringe and inject it inside the membrane cartridge (opposite to the direction of flow) to wet the new membrane.

5

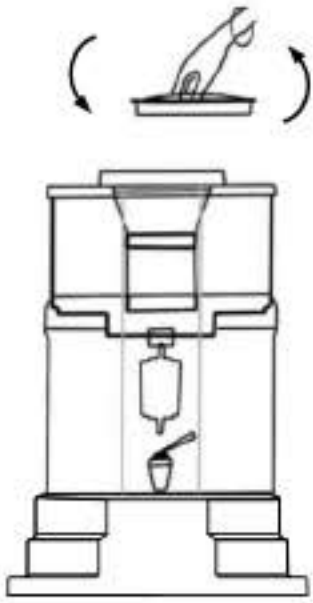
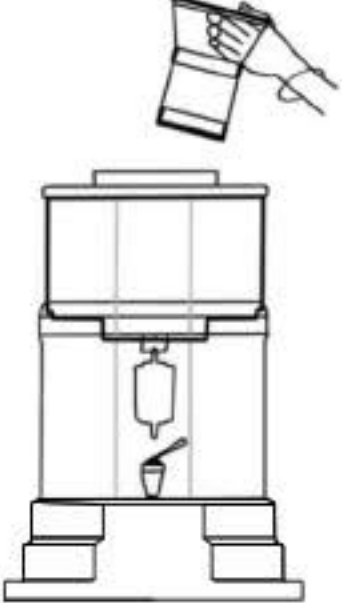
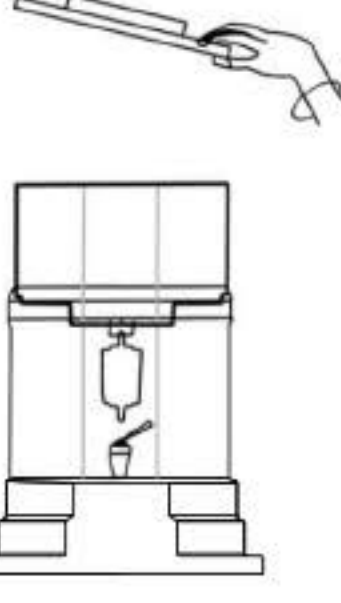
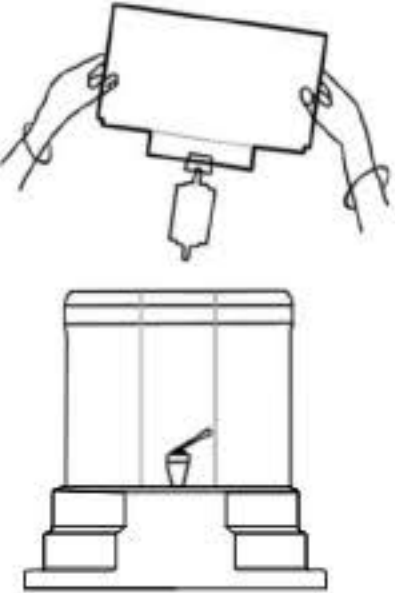
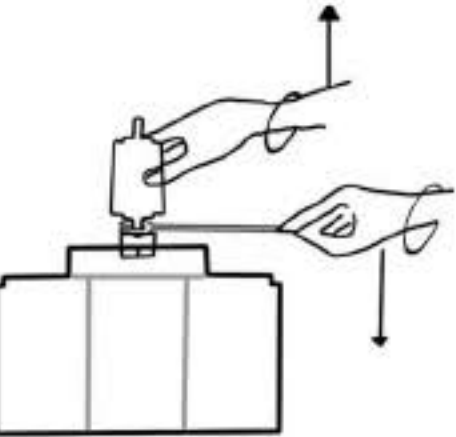
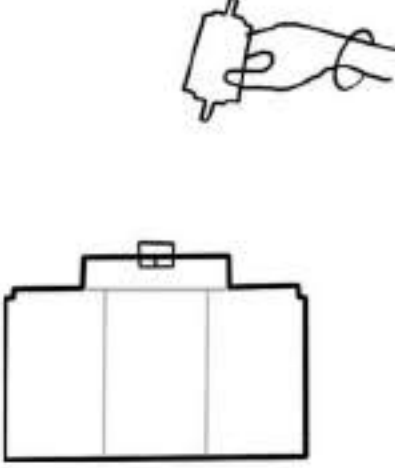
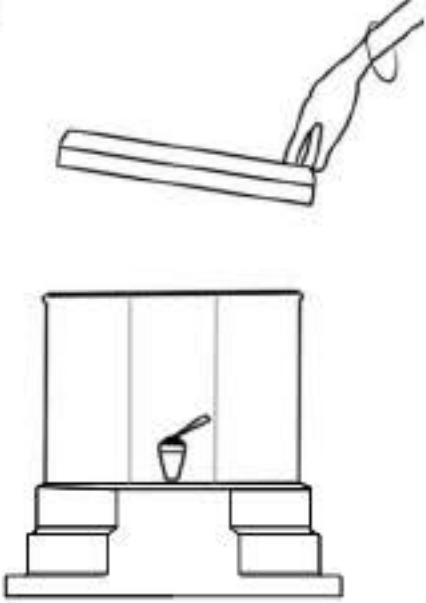
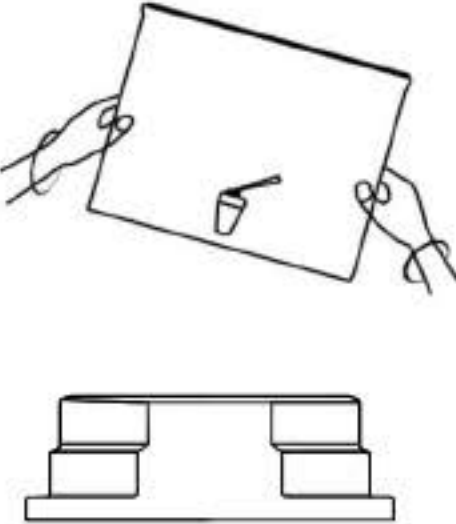
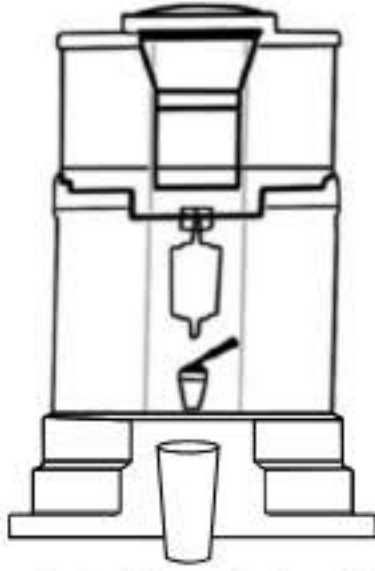


Press it down in collet

Fix new membrane cartridge in the Top Tank by pressing it downwards.

Frequency: UF Membrane should be changed, every year.

Part 7: Restoring your KENT Gold (when leaving for long vacations)

<p>1</p>  <p>Remove the top lid.</p>	<p>2</p>  <p>Remove the filter assembly.</p>	<p>3</p>  <p>Remove the Top Cover from the Top Tank.</p>
<p>4</p>  <p>Remove the top tank.</p>	<p>5</p>  <p>With the help of a Membrane Fitting Pusher press the collet and pull up the membrane cartridge.</p>	<p>6</p>  <p>Remove the membrane cartridge.</p>
<p>7</p>  <p>Remove the middle partition.</p>	<p>8</p>  <p>Separate the Bottom Tank from the Bottom Stand.</p>	<p>9</p>  <p>Clean all plastic parts from inside and outside with a clean cloth. Re-assemble the dry purifier.</p>

Frequency: Restore your purifier, whenever you are going on a vacation for more than 7 days.

KENT
UF Membrane
Water Purifiers
HOUSE of PURITY



System Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of Chlorine and nominal particulate class II



System Tested & Certified by WQA to NSF/ANSI 42 for the reduction of Chlorine, Taste & Odor only as verified and substantiated by test data



System Tested and Certified by IAPMO R&T to NSF/ANSI 42 for the reduction of Chlorine, Taste and Odor.



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

3. A-6, Sector-87, Noida-201 305, U.P., India.

For customer complaints, contact our 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