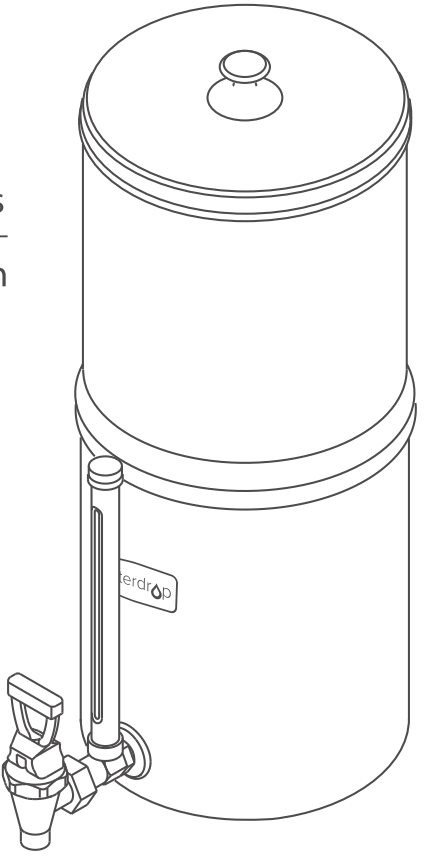
Waterdrop

Read this manual before using and keep it for future reference.

# King Tank Tank Series

Gravity-Fed Water Filter System

# User Manual



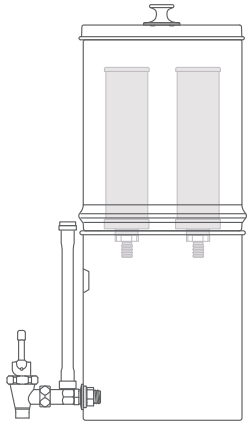
## System Model List

WD-TK WD-TK-F

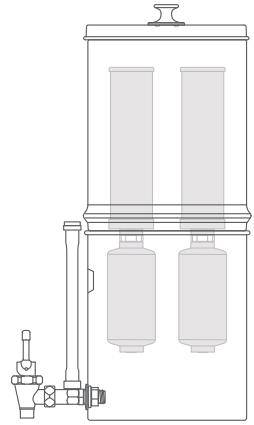
WD-TK-S WD-TK-FS

SUS 304 Stainless Steel

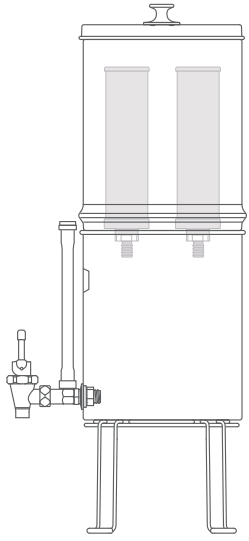
## Product Overview



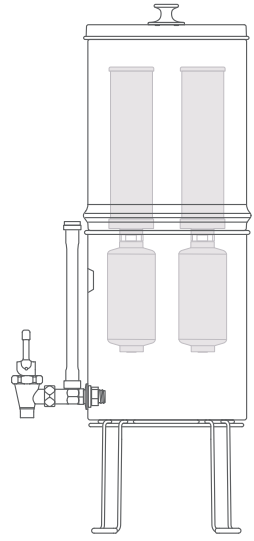
WD-TK



WD-TK-F

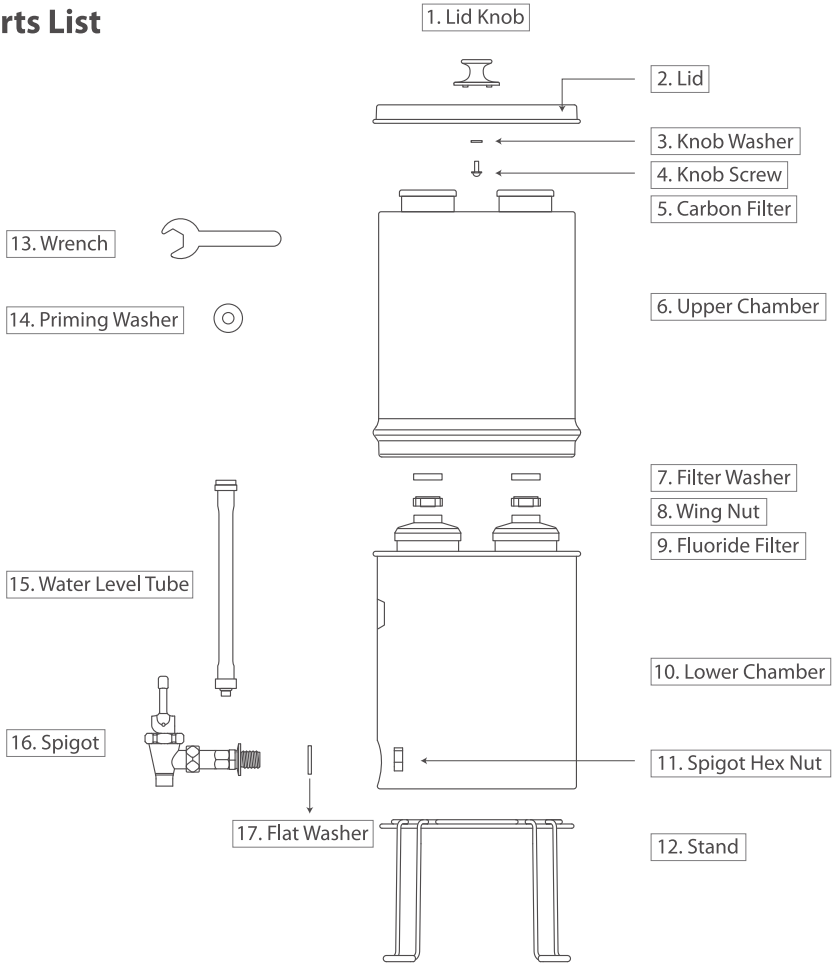


WD-TK-S



WD-TK-FS

## Parts List




| Items | WD-TK | WD-TK-F | WD-TK-S | WD-TK-FS |
|---|---|---|---|---|
| Lid | ● | ● | ● | ● |
| Lower Chamber | ● | ● | ● | ● |
| Upper Chamber | ● | ● | ● | ● |
| Water Level Spigot | ● | ● | ● | ● |
| Carbon Filter*2 | ● | ● | ● | ● |
| Fluoride Filter*2 | ○ | ● | ○ | ● |
| Stand | ○ | ○ | ● | ● |

● Included parts ○ Excluded parts

The water purification device needs to be thoroughly cleaned before assembling. Please wash your hands and clean the component (Do not clean the carbon filter and the fluoride filter to ensure that it will not be polluted during the assembly process).

## Product Specifications

| System Model | **King Tank** |
|---|---|
| Carbon Filter Capacity | Up to 6,000 gallons in total |
| Fluoride Filter Capacity | Up to 1,000 gallons in total |
| Operating Temperatures | 40-100 °F (4 - 37 °C) |
| System Capacity | 2.25 gallons |

## Product Operation

### Step 1 - Lid Knob Assembly

1. Remove the knob washer (3) and the knob screw (4) from the lid knob (1).
2. Fit the knob into the lid (2) by inserting the knob screw and washer through the lid, and finally fasten it with the knob screw. As shown in figure 1.

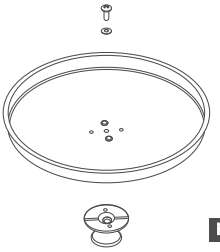


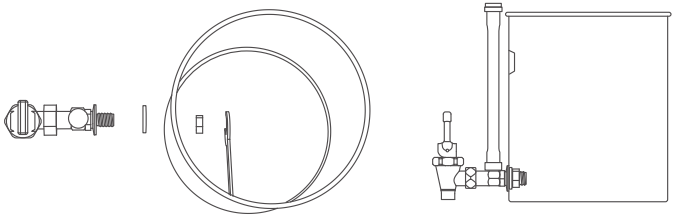
**Figure 1**

### Step 2 - Spigot Assembly (Figure 2)

1. Check to ensure all parts are on the spigot, including the flat washer (17), and spigot hex nut (11).
2. Unscrew the hex nut (11) from the stem of the spigot (16).
3. Insert the stem of the spigot through the hole on the side of the lower chamber (filtered water tank). Thread the hex nut (11) onto the stem of the spigot and tighten it securely by hand. Use the supplied wrench (13) to tighten the hex nut and turn the spigot clockwise to the upright position.
4. Take out the Water Level Tube (15). You will find a red ball, indicating the liquid level in the glass tube. Insert the screw end of the water level tube (Use O-ring as you install the water level tube) into the hole on the spigot body (16). Tighten it manually and while facing front.

**Note:** Do not tighten it too hard to avoid damaging the unit.

**Figure 2**



### Step 3 - Flush Filters

**Carbon Filter Flush Tips**

1. Hold the filter base with your hand, and while holding, screw the wing nut to the end of the threaded rod on the carbon filter (5) until 2 or 3 screw threads are exposed. The flat side of the wing nut should be oriented towards the mouth of the threaded rod mouth (Installation is opposite to the normal direction), as shown in figure 3.
2. Attach the priming washer (14) to the threaded rod and press it on the flat side of the wing nut.
3. Align the threaded rod on the carbon filter with the water outlet. Press the priming washer (14) on the faucet to make a tight seal between them.
4. Simultaneously, slowly turn on the cold water, allowing water to fill up the inside of the filter.
5. Allow the exterior wall of the filter to sweat beads of water for about 60 seconds. This concludes the flushing process.

**Figure 3**

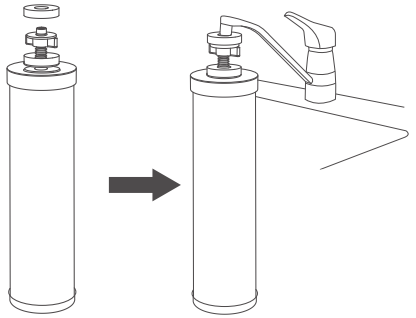
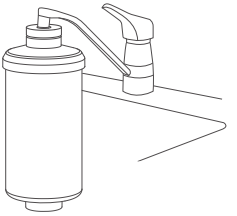


**Figure 4**



**Fluoride Filter Flush Tips**

**NOTE: If you purchased WD-TK or WD-TK-S, please ignore the relative information about Fluoride Filters.**

1. Grab the fluoride filter (9), and put it up against the sink faucet. Plug the opposite end with your finger, and fill the filter with tap water.
2. Plug both sides of the filter. Shake slightly and swish water around to help disperse any dust that may accumulate in the filter during the manufacturing process. Gently tap the fluoride filter on the countertop several times – this helps to reduce the manufacturing dust left (if any).
3. Remove your finger and discard the remaining water.
4. Place the tan-colored priming washer (14) on one side of the fluoride filter and align the filter hole with the spigot hole.
5. Press filter against the sink faucet so that the priming washer creates a seal between the faucet and the fluoride filter. Place your thumb on top of the faucet to apply pressure and subsequently make a better seal.
6. Turn on the cold water slowly, allowing water to fill the filter and flow from the opposite end. Allow the water to flow for 1-2 minutes or until the water runs clear. As shown in figure 4.
7. Turn the fluoride filter over and flush the other end by repeating the flushing steps.

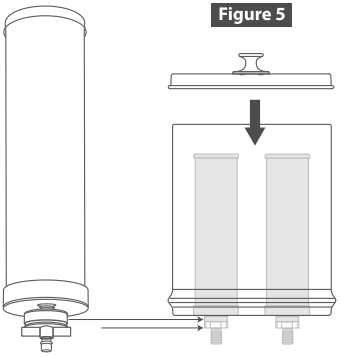
**Note:** Do not discard the priming washer; you may need them to re-flush the filter in the future.

## Step 4 - Filters Installation

**Carbon Filter Installation** (Figure 5)

1. Remove the filter washer (7) and wing nut (8) from the threaded rod of the carbon filter.
2. Insert the threaded rod of the carbon filter into a hole in the upper chamber (6). Allow the filter to enter into the upper chamber.
3. Thread the black filter washer and wing nut onto the threaded rod of the carbon filter below the upper chamber and tighten securely by hand.

**Figure 5**



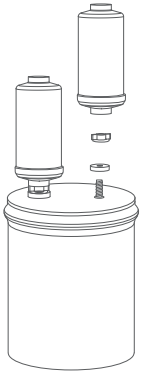


**Figure 6**

Turn the upper chamber over for installation

**Fluoride Filter Installation** (Figure 6)

1. Place the upper chamber (6) upside down so that the threaded rod of the carbon filter is facing upwards. Screw the fluoride filter (9) to the threaded rod of each carbon filter (the side with the IN indicator should be connected to the threaded rod of the carbon filter).

Do not tighten the fluoride filter more than eight turns, as this may damage the internal filter media.

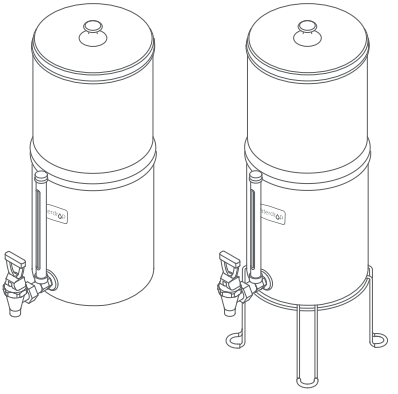
## Step 5 - Upper and Lower Chamber Assembly

After installing all the filters, place the upper chamber (6) gently into the lower chamber (10), and put the lid on the upper chamber. As shown in figure 7.

**If the system you purchased includes a stand (12), please place the entire water filter system on it.**

Fill the upper chamber and wait among the filtration process. When all the water has been filtered and stored in the lower chamber, **discard the water** as it may conclude manufacturing dust. Now the water filter system is ready to use.

**Figure 7**



## Operation and Use Tips

1. Ensure that the spigot (16) is in the closed position during the first time operation and after each re-priming.
2. The red ball in the water level tube (15) indicates the height of the water level in the lower chamber. Add water into the upper chamber according to the height of the floating ball. Do not add water if the red ball is in the highest point and pour the remaining water in the upper chamber to prevent water from flowing out between the two buckets.
3. If you plan to leave your system unused for more than three days, empty both the upper and lower chambers, remove all filtration elements, and allow the components to dry. The carbon filter should be allowed to air dry. See Storing the Carbon Filter and Storing the Fluoride Filter on page 6.
4. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## Routine Cleaning & Maintenance

### 1. Cleaning the System

The whole system should be cleaned at least once a month.

• Remove the filter cartridges, spigot, and any other attached components.

• Clean the chambers using water and a dish soap. If the water used for cleaning is suspected to contain viruses or bacteria, add 16 drops of bleach per gallon of water. The stainless steel chambers can also be cleaned in the dishwasher but remove all parts and attachments first.

Cleaning Mineral Deposits: If your water filtration system is filtering hard water, which is water with a high dissolved mineral content, scale from naturally-occurring minerals such as calcium may develop in the spigot and chambers after prolonged use.

These deposits can be removed by soaking the affected components in a 50-50% vinegar and water mixture for about 15 minutes. Then wash with water and dish soap. Do not soak the carbon filters or optional fluoride filters in the vinegar mixture.

### 2. Storing the Carbon Filter

• Unused filter cartridge can be stored indefinitely in their original packaging. Do not store with fragrant items.

• Used filter cartridge should be cleaned and then allow them to dry completely. The drying process can vary from one day to one week depending on the humidity level in the air. When dry, store them in a clean packaging. Be sure to re-flush the filters before using them again.

### 3. Storing the Fluoride Filter

• Unused fluoride filter can be stored indefinitely in their original packaging. Do not store with fragrant items.

• Used filter cartridge should be placed in a clean zipper storage bag and store them in the refrigerator for up to two weeks.

• Do not store the fluoride filters in the freezer.

• Always re-flush the fluoride filters before using again.

## Frequently Asked Questions

**Q: Why is the initial flow rate slow?**

**A:** To determine if the carbon filter have been successfully installed, remove them from the system and submerge them in a tall container of clean water, such as the lower chamber of your filtration system. If they sink to the bottom, they are fully saturated. If they float, the micro pores still contain trapped air. Put the filter cartridges in clean water and wait until them sink to the bottom and re-install the system. If the elements continue to have a slow flow rate, contact Customer Service, at 1-888-352-3558 or www.waterdropfilter.com.

**Note:** Your water filtration system contains fluoride filters, the flow rate will be reduced by approx, 15-20%, under normal conditions.

**Q: Why is the flow rate still slow after extended use?**

**A:** Small particulate matter can be trapped on the outside of the filter cartridge causing the flow rate to decrease. Replace the filter in time according to the filter lifetime.

If the filter cartridge have been allowed to sit dry for several days, air may be trapped in the micro pores and the elements will need to be re-flushed.

**Q: Why does my water filtration system leak where the upper and lower chambers fit together?**

**A:** Water will leak from where the two chambers fit together if the lower chambers is full and there is water in the upper chamber.

To prevent overflow, it is recommended to empty the lower chamber completely prior to refilling the upper chamber. There is not a water-tight seal between the upper and lower chambers of the system because this type of seal would prevent gravity filtration. Add water into the upper chamber as indicated by the water level shown on the water level spigot.

**Q: Why does the upper chamber still contain water after filtering the process?**

**A:** It is normal for one to two inches of water to remain in the upper chamber. This system is gravity filters and as the water level in the upper chamber decreases the filtering process will naturally slow down because there is less water pressure available to force water through the elements.

**Q: Why is filtered water in lower chamber cloudy?**

**A:** Cloudy water may indicate that filters still contain some manufacturing dust and require additional flushing. If the water filtering through filters continues to be cloudy in appearance, contact Customer Service.

**Q: Why is the TDS value not reduced after filtration?**

**A:** The main reduction matters of this system is not TDS. Total Dissolved Solids (TDS) are the total amount of mobile charged ions including minerals, salts or metals dissolved in a given volume of water. The gravity-fed water filter system reduces harmful substances and remain beneficial minerals. If you are looking for water purifiers to reduce TDS, please choose the RO water filtration system.

**Q: My Filtered Water has an unexpected taste, what can I do?**

**A:** 1. Check the carbon filter.

2. To ensure the filter are properly filtering the water, follow the Carbon Filter Installation to check if it's properly installed.

3. If your system contains the fluoride filters, the taste may be due to partially flushed fluoride filters and residual manufacturing dust that was not completely removed during the flushing process.

4. Clean your water filtration system. Follow the Routine Cleaning and Maintenance instructions on page 6.

5. If your filters reach their maximum capacity, please replace them immediately.

## Warranty

The king Tank gravity-fed water filter system of Tank series offers a 1-year warranty covering defects in materials and workmanship from the original date of purchase. If the product proves to be defective within 1 year from the date of purchase, call 1-888-352-3558 (U.S.), Monday to Friday, from 8:00 AM-5:00 PM (PST). During the warranty period, we will replace or repair any part deemed defective if the product has not been subjected to tampering, alteration, or improper use after delivery and has not been repaired by the manufacturer. The product is not warranted against misuse, use in abnormal operation temperature conditions, conditions outside listed operating parameters, use in commercial operations, or any other manner outside the product specifications set forth in the owner's manual. Our obligation does not include the cost of transportation. We are not responsible for damage in transit, and claims for such damage should be presented to the carrier by the customer. Should service be required or if you have any questions regarding how to use your product, please call us. We have a professional customer service team and will take care of your problem on time.

**NOTE:** This does NOT apply to any filter cartridge, as the life expectancy varies based on incoming water quality.

**Manufacturer Technical Support:**

1-888-352-3558 (U.S.) Mon-Fri 8:00AM-5:00PM (PST)

**Qingdao Ecopure Filter Co., Ltd.**

If you encounter any problem with our product, please contact us to get support via the purchase channel.

Waterdrop

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V020