




Dr. KURIN 安全で清潔な飲料水



DK-991 Water purifier

Installation manual

Indoor use only

Contents

| | |
|------------------------------|---|
| Precautions | 2 |
| Product Overview | 4 |
| Installation | 5 |
| Adjust | 8 |
| Instructions | 8 |
| Maintenance and Repair | 8 |
| Filter Change | 9 |
| Product Specs | 9 |

Safety Precautions (Must read before use)

To avoid possible injury or material damage, please be sure to follow the safety precautions.

★Do not disregard the dangers associated with the precautions.



If you ignore the contents of this label: it may cause permanent damage to the water purifier or may cause serious financial losses.



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Warning

Do not disassemble or modify the water purifier.



Unauthorized removal or modification of the water purifier may cause malfunction or water leakage. Consult with the shop where you purchased for schedule of service.

Do not expose to corrosive substances.



May cause harmful, toxins to penetrate the water purifier.

Do not put heavy objects on top of the water purifier.



Putting a heavy object on top of the water purifier may cause the leakage.

Do not use the water purifier under high water pressure conditions



Excessive water pressure may cause the water purifier pipe to burst, water leakage, and property loss.

*Recommend water pressure:
0.03 MPa ~ 0.6 MPa.*



Attention

Do not place the water purifier next to a heat source.



This may cause machine deformation, melting, damage, or leaking. May also cause serious injury and property loss.

Do not use under the sun



Long exposure to sunlight may result in degradation of the parts and water quality.

Do not use the water purifier outdoors.



Outdoor use may result in degradation of parts and water quality.

Product Overview

1. Introduction

Dr. Kurin Purifier uses the most advanced ultrafiltration technology to filter out harmful substances in water. The five stage water purification process not only blocks out rust, sand, gravel, and other large solid materials, but effectively removes unwanted odors, bacteria, germs, and other macromolecular objects in water. Our purifier does not require any pressurized motors or an electrical power supply. It works quietly and effectively to deliver fresh, clean water.

2. Features

Energy saving:

No power supply, pump or transformer necessary. Easy to use under room temperature.

Physical filtering:

Ultrafiltration membrane is made of polymer material uniform substance in the filtration process does not produce changes in substances.

Safe and reliable:

No voltage operation reduces the risk of leakage and burst pipes.

Wide range use:

Free from power supply. Great for household water use.

3. Water purifier main components function

1 stage :

1 micron PP filter: Effectively blocking rust, sand, gravel, rust and other large solid material.

2 stage : Carbon filter

1. Helps water molecules become smaller making it easier to penetrate the cell for the body to absorb it, thus improving the immune system.
2. Eliminates odor and fluoride in the water, helps the water become more alkaline.

3 stage : Solvent-free resin

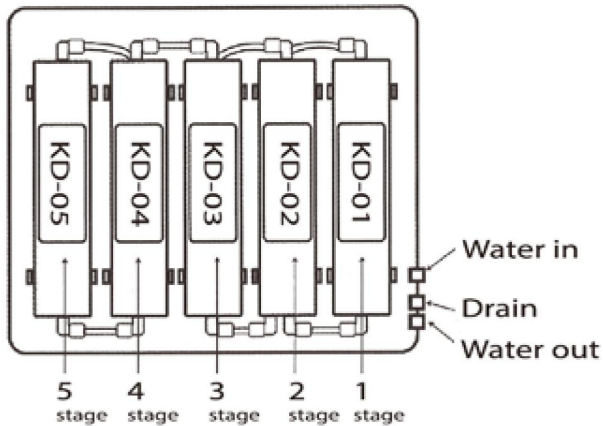
1. Softens water.
2. Removes heavy metals and calcium build up.

4 stage : Hollow fiber membrane Pore size : $0.01 \pm 0.1 \mu\text{m}$

1. Removes ultrafine particles, viruses, bacteria. (E Coll, Cholera bacteria, Dysentery bacteria ...etc).
2. Removes 99 % of bacteria.

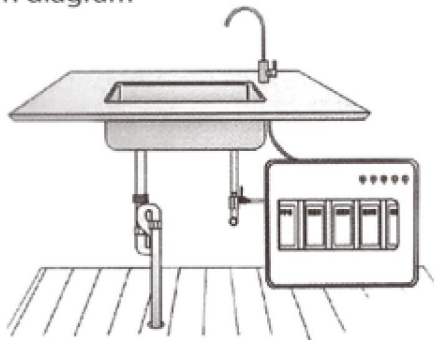
5 stage : Microcrystalline particles Ag-based activated-Carbon: Coconut charcoal to absorb odor from the water.

1. Adjusts water taste.
2. Strains and inhibits bacterial regeneration in water.
3. Retains minerals and trace elements and makes water contain higher oxygen and energy.
4. Reduce size of water molecules.
5. Supplement the body's need for trace carbon elements.
6. Helps to sweeten the taste of water.



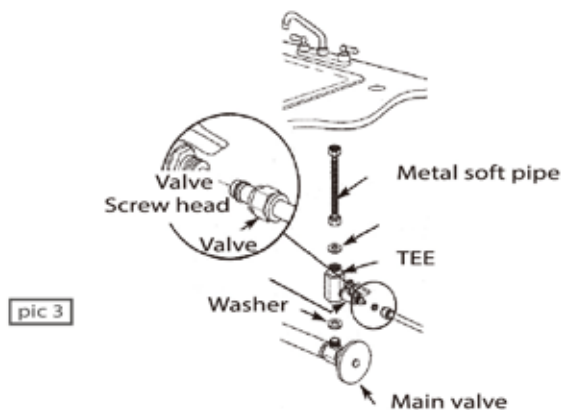
Installation

1. Installation diagram



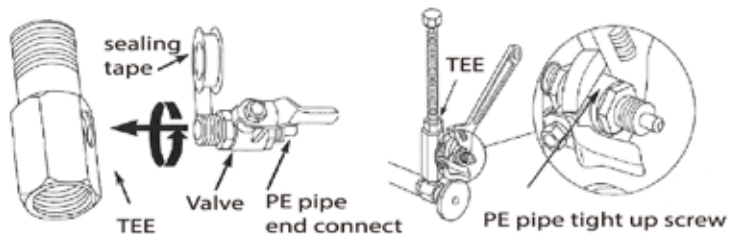
2. Water inlet soft hose and TEE joint Installation process.

- Close the water inlet valve.
- Remove the metal soft hose.
- Bring out the three-way water inlet (TEE) from accessory box.
- Screw one end of the TEE in the water inlet valve.
- Reconnect one end of the soft metal pipe in to the TEE. (see Pic 3)



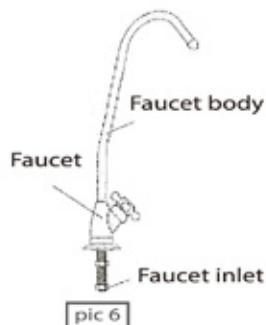
3. In let water valve and pipe installation

- Bring out the valve from the accessory box.
- Seal one end of the valve with a sealing tape (pic 4)
- Screw the valve in to the TEE hole (see pic 5, if is a piece TEE+valve no need to do this step).
- Bring out the soft PE pipe from the accessory box. Cut it to a suitable size. Connect one end with the valve (see pic 3), then screw in tight.
- Connect the other end of the pipe to the inlet of the 1st stage filter.



pic 4

pic 5



4. Installation of gooseneck faucet

- Drill a 14mm round hole on the sink location.
- Connect the metal soft pipe to the faucet Inlet (see pic 6).
- Lead the bottom of the faucet through the drilled hole.
- Put in the bottom washer then screw in to tightly fix the faucet on top of the desk.
- Finally, cut a suitable size of PE pipe, one end connected from the water outlet mouth from the water purifier the other end connected to the inlet end from the faucet (see pic 6).

5. How to connect or disconnect the quick plug.

Connect: Remove the blue clip, insert the PE pipe till the end. Slightly pull the tubing out while the blue connector is plugged in.

Disconnect: Remove the blue clip, push the small white ring till end, then pull out the PE pipe

(for the other version with out the blue clip, simply push the white ring then push in the PE pipe to connect, or pull out the PE pipe for disconnect.).

blue clip version



other clip version



6. Install the drain valve

- Bring out the valve with blue bar from the accessory box.
- Connect a suitable length of PE pipe's one end to the purifier's DRAIN mouth. The other end can connect to either P TRAP or to and drain.
- For 1st installation or filters' change, you may open this drain for air release and to wash out the waste from the previous filters. This will help the purifier running in a good condition and always in a clear situation.



Attention

- ALWAYS CLOSE THE MAIN VALVE before your installation.
- All screws need to be accurate with a washer or sealing tape.
- When connecting the PE pipe to the quick plug, ALWAYS INSERT THE BLUE CLIP.
- DO NOT bend the inlet pipe. It must be at least 30cm horizontal.
- Screw tight while inlet water is connected.
- Be sure the inner wall has no wiring or pipe inside before drilling.

Adjust

Be sure the water supply is connected then follow the steps below:

1. Open the tap water inlet valve. Wait until the filter is filled with water and the goose neck faucet starts to drip with clean water.
2. When the water flow is stable, check that all the joints are secured, and that there are no leaks from the case or filter core interface for an extended amount.
3. Check the tap water supply connection for leaks.
4. IF everything is good, the water purifiers is safe to use.



Instructions

1. *Close the inlet valve if you will not be using the purifier.*
2. *Flush the water 10 minutes before the 1st time use.*
3. *At least once in a week open the drain valve for 3 min. to release the water from the filters and prevent germs from growing.*

Maintenance and repair

Suggest filter replacement schedules
(based on household use only)

3. *Open the drain valve for 3 minutes at least once in a week to release the water from the filters and prevent germs from growing and multiplying.*

| | | | |
|---------|-------|---|--------------|
| 1 stage | KD-01 | PP Polypropylene cotton filter | 3-6 months* |
| 2 stage | KD-02 | Carbon filter | 3-6 months* |
| 3 stage | KD-03 | SOLVENT-FREE RESIN | 3-6 months* |
| 4 stage | KD-04 | HOLLOW FIBER MEMBRANE Pore size : 0.01 ± 0.1µm | 6-12 months* |
| 5 stage | KD-05 | Microcrystalline particles Ag-based activated-Coconut charcoal | 6-12 months* |

* depends on the water
and the usage.

NOTE:

Water quality has a great influence on the lifetime of filters. Due to the differences of the water quality, its life expectancy may be higher or lower than the above description. Please replace filters if you notice:

1. Significant reduction in water.
2. The appearance of the filter core is clearly covered by sludge.

Filter Change

1. Close the water inlet valve.
2. Open the faucet. Drain out leftover water and release all air inside.
3. Open the water purifier's front cover.
4. Release the filter from the filter rack.
5. Disconnect the filter from the quick hinge on top and bottom.
6. Replace the new filter (please follow the arrow direction from the filter).
7. Open the inlet valve and the drain valve. Let the air and water release for at least 3 minutes.
8. Open the faucet and let the water flow out for 3 minutes.

Product Specs

| | |
|--------------------|-----------------|
| ITEM NO: | DK-991 |
| PROPER TEMPERATURE | 5°C ~ 40°C |
| WATER PRESSURE | 3 psi ~ 87 psi |
| WATER SOURCE | TAP WATER |
| USE OF ENVIRONMENT | ROOM TEMPRETURE |
| WATER HARDNESS | ≦ 180 PPM |
| WATER TDS | ≦ 800 PPM |

Service Line :

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