

Memo

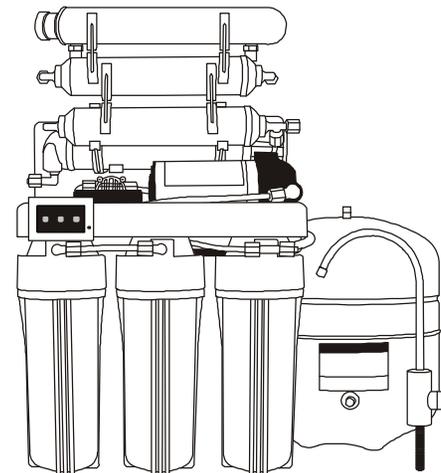
Type	DANPURE HOME 200 TDS		
Date Connected			
Name		#	
Address			

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DanPure® DRINKING WATER SYSTEM

REVERSE OSMOSIS SYSTEM

DANPURE HOME 200 TDS USER MANUAL



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- 02 What is Reverse Osmosis
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Congratulations with your DANPURE HOME 200 TDS

To get the most efficiency out of your:

DANPURE HOME 200 TDS,

please read through this manual carefully

DanPure systems is continuously tested.

FAQ

Q: What kind of warranty is there on Danpure systems ?

Danpure systems (excluding filters) is guaranteed 2 years for material and functional errors. All defective parts will be replaced if they break down. The membrane has one year of warranty.

Q: What factors influence the water quality?

There is four factors - see below:

1. **Pressure** - The higher the water pressure, the better the water quality will be produced. Water pressure of 4.2 bar is the most optimal!
2. **Temperature** - Water temperature of 24 °C is the best temperature for Danpure systems. A temperature of 4 °C will reduce the production of water with 50% compared to at 24 °C. Max temperature is 29 °C.
3. **Total Dissolved Solids (TDS)** - Several dissolved substances in the water reduce water quality, the higher the pressure the water is pressed through the membrane with the higher the water quality. Danpure systems utilize the highest pressure for the best water quality.
4. **Membranes** – There are different membrane types. Some may produce more water. Others have a better cleaning effect, by continuously self-cleaning itself. Some are highly resistant to chemicals. Danpure systems contains a thin film membrane that combines the best of all the types for drinking water purification.

Q: DANPURE HOME 200 TDS doesn't make any water, what can I do?

1. Be sure the power supply is plugged in, and it's on.
 2. Check the water supply if it's connected and open.
 3. Check if the pump is running.
- If this didn't fix your issue, please contact your Danpure technician for further help!

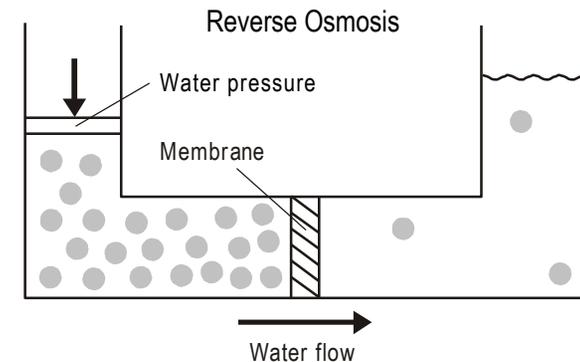
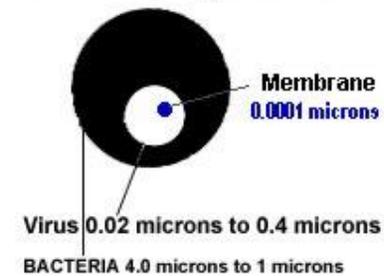
What is Reverse Osmosis?

Reverse osmosis systems were originally designed to provide ships with clean and drinkable water made of seawater. The membrane have a pore of a size, so that only water particles can pass through.

The membrane efficiently remove microorganisms from the water and therefor produces completely clean water.

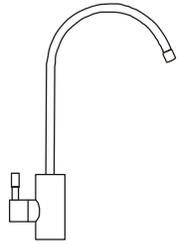
The pores in the mebrane are about 4 times smaller than one bacterium. Only H₂O (water molecules) can pass through the membrane, it therefor provides clean and healthy water.

Sammenligning af størrelser



Components & Parts

◆ Components



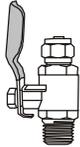
Faucet



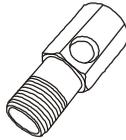
7,5 liters tank



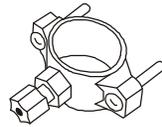
Filter key



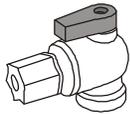
1/4" supply valve



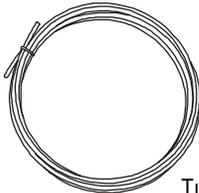
Water hose adapter



Fittings for drain



Valve for tank



Tube for montage



Membran x1

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First start

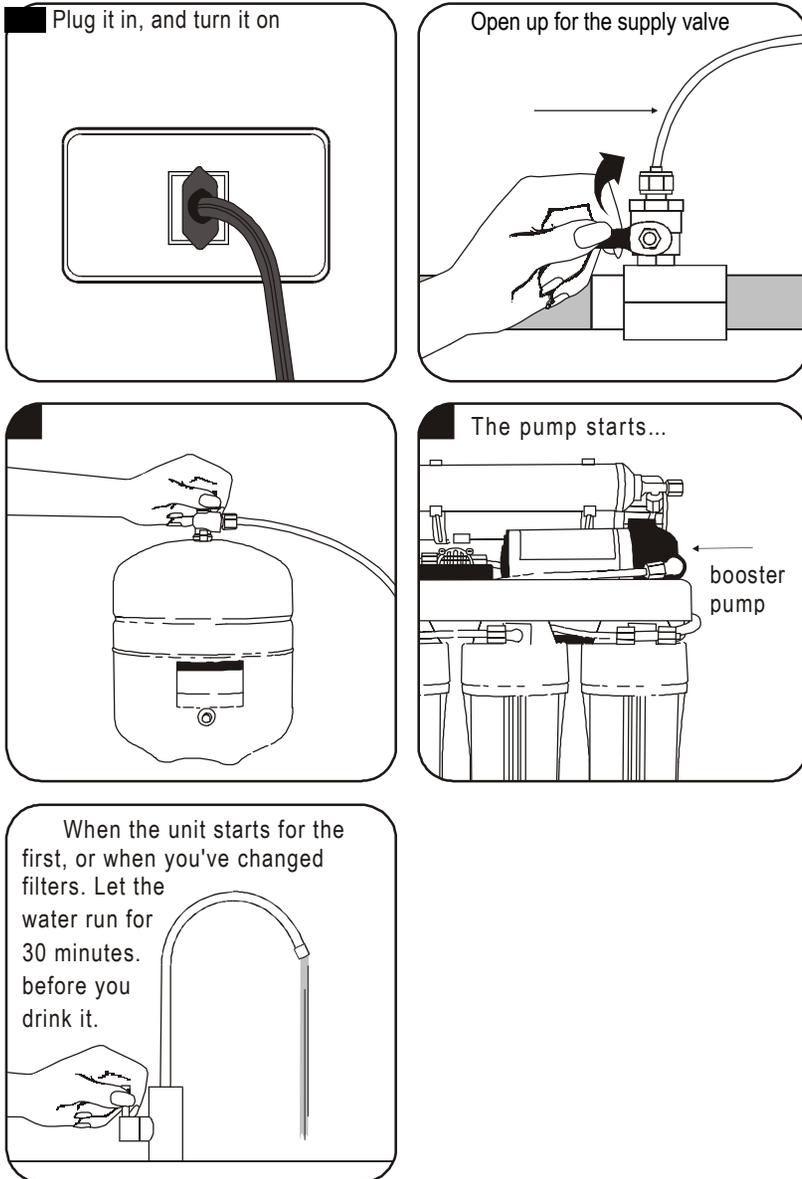
- A. When everything is connected, please check for any leaks - especially in connections, intakes and outlets.
- B. IF you have a connected tank, please check if it is closed while you let the water run for 30 minutes.
- C. After the unit has run for 5 to 15 minutes the water will start running from the faucet.
- D. Let the water run for 30 minutes to flush the carbon filters for the first time. The water might have a slight discolouration during this.
- E. After the water has run for 30 minutes, open for the tank again.
- F. As soon as you have finished the steps above, you can shut off the faucet. The system is now ready to be used.
- G. Note down the date you plugged in the unit. This is to make sure you keep your filters, UV light and membranes fresh, as these have to be changed. Stage 1-3 is on average changed every 6 months. Stage 5-7 is on average changed every 12 months. The membrane lasts between 1-4 years. Usually this is changed every 2 years! This might change if you have a high PPM.

WARNING

1. Don't use hot water (over 45°C)!
2. The units can't get frost!
3. Turn off the power and empty the unit if you plan on not using it for 5 days or more.

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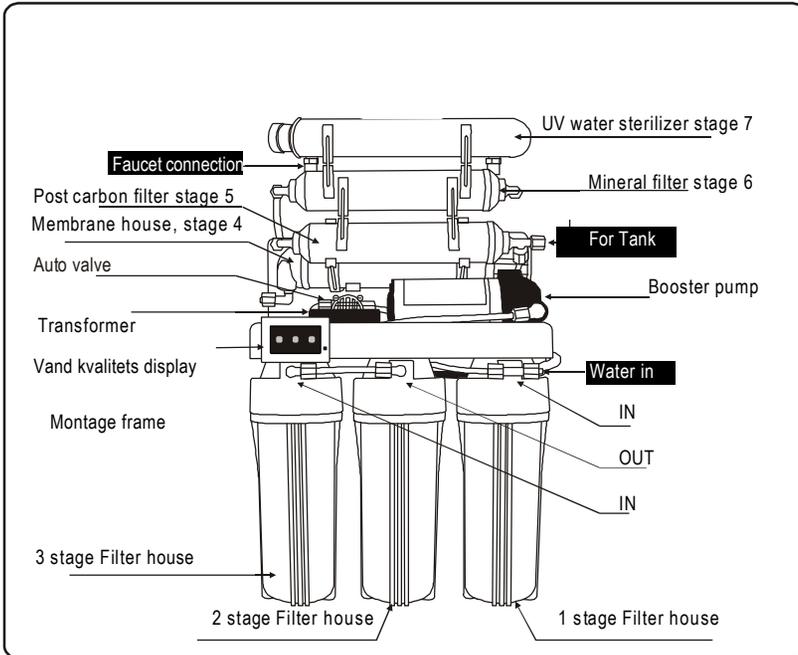
Startup



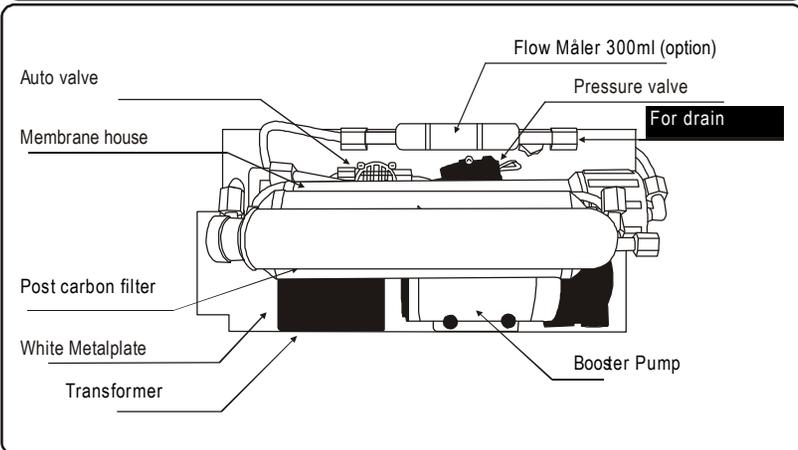
Filters

Filter Unit	Filter description	~ lifetime
Stage 1 5 Micron Sediment Filter 	5 micron sediment filter is made with 100% pure polypropylene fibers. Efficiently filtrates dust, particles and rust!	6 months
Stage 2 GAC Carbon Filter 	The GAC carbon filter is composed of high-performance activate carbon that removes chlorine, organic matter, pesticides and chemicals, as well as helping with taste & odour.	6 months
Stage 3 Block Carbon Filter 	The Block Carbon filter is like the GAC Carbon filter composed of high-performance active carbon. The two filters complement each other. Just like the GAC filter, this filter removes chlorine, organic matter, pesticides and chemichals as well as helping with taste and odour.	6 months
Stage 4 302 liter a day membran 1 stk. 	The membrane can filter up to 302 liters per day. The RO membrane removes heavy metals, chemichals, vira and bacteria. Only thing that passes through the membrane is H2O / water particles.	2 years
Stage 5 Post Carbon Filter 	This carbon filter is built to improve the taste and smell of the purified water. This is to ensure the highest water quality.	1 year
Stage 6 Mineral Filter 	The mineral filter supplements the purified water with the minerals that are healthy for you. By adding natural, and pure, minerals to the water, you get as close as possible to natures purest water.	1 year
Stage 7 UV Water Sterilizer 	The 1GPM UV filter raises the quality of the purified water. The UV light kills bacteria and vira. With the UV light being the last stage, you make sure your water certainly is clean and healthy.	6 months

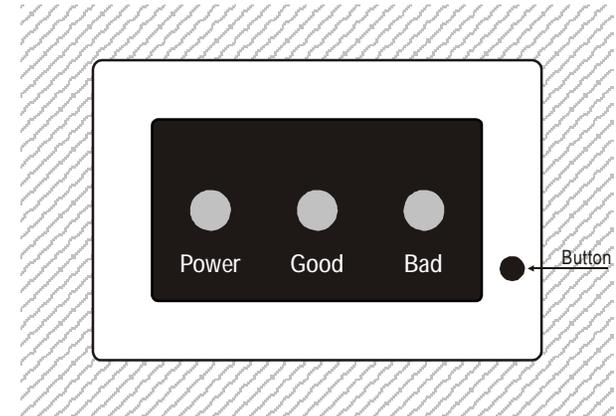
DANPURE HOME 200 TDS



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Water quality test



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POWER(red): Show that the system works. Change the battery if the lamp doesn't turn on.

GOOD(green): Shows if the PPM (TDS level) is between 00-39.

BAD(red): Shows if the PPM is over 40.

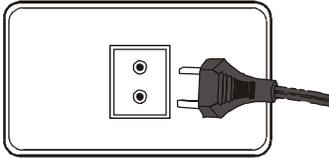
*Note - this equipment is optional and won't be on all units!

How to use:

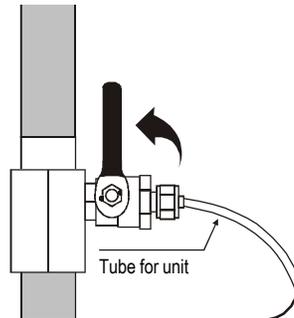
1. Push the button and the water quality will be tested for two minutes
2. The alarm will sound for 1 minutes if the PPM is higher than 40.

Membrane change

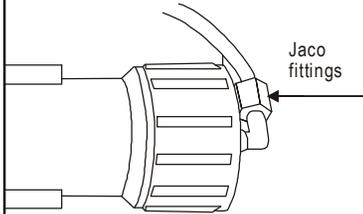
1 Turn off and remove power plug



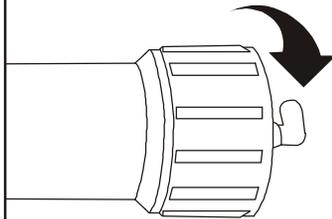
2 Turn off valve for water supply



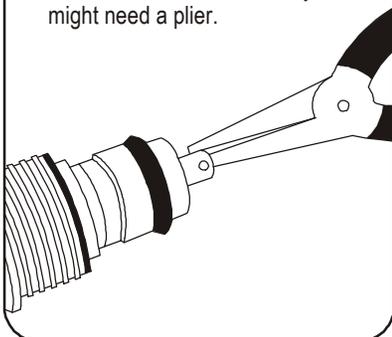
3 Disconnect tube from the membrane house fitting



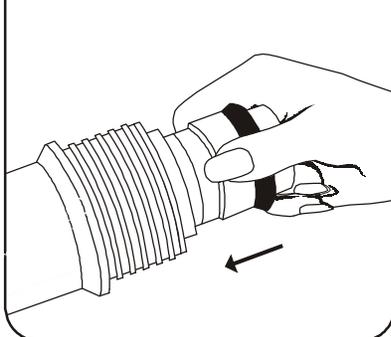
4 Open the membrane house, - turn counter clockwise



5 Extract the old membrane - you might need a plier.



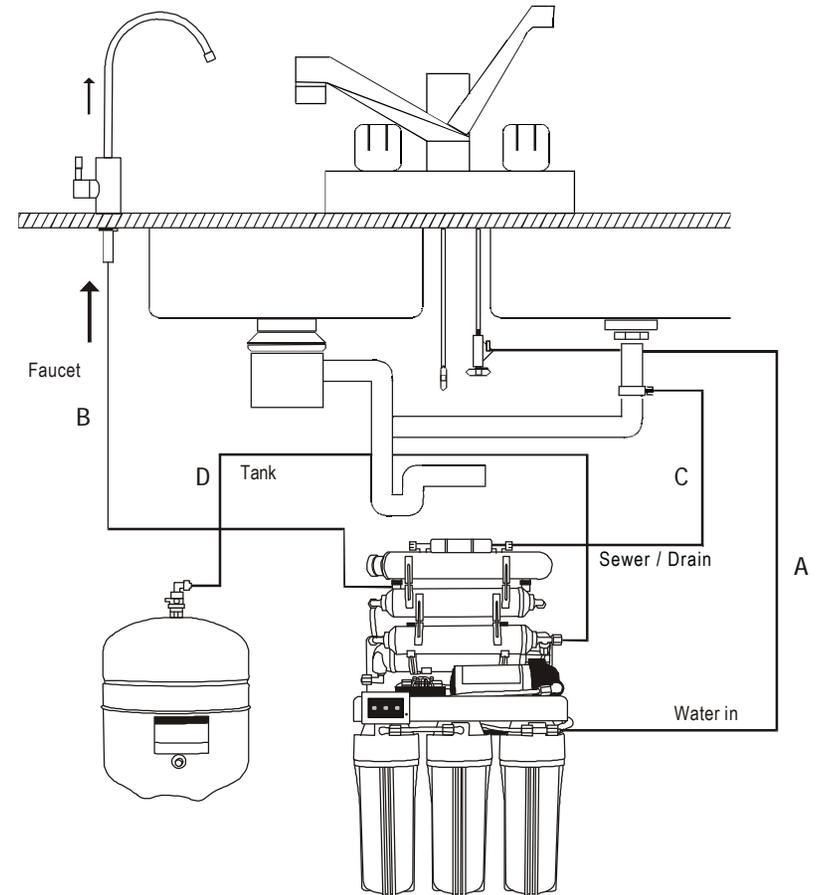
6 Install the new membrane



Installation diagram

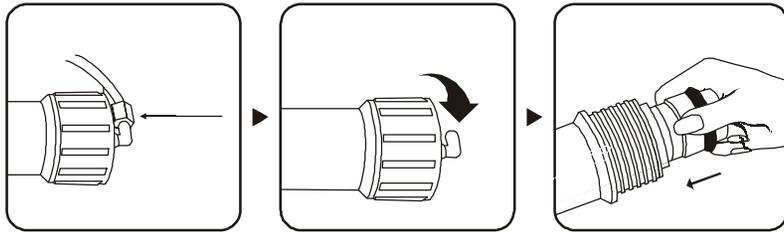
Connect your tubes following instructions below

- A. Connect the tube to the water supply.
- B. Connect the tube to the faucet.
- C. Connect the tube to the drain.
- D. Connect the tube to the tank.



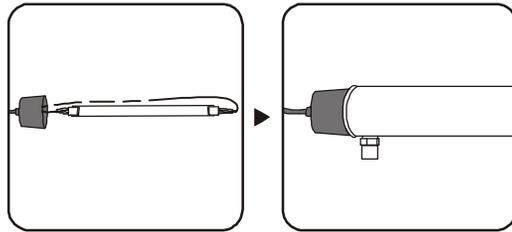
Installations guide

1. Disconnect the tube from the fitting on the house. Turn off the lid, remove the membrane, install the new.

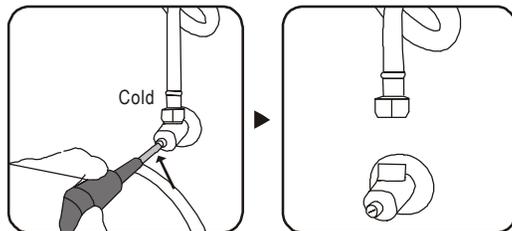


2. Depending on your type of UV light, the installation might differ from this. Install the wire on both ends of the UV bulb. On certain models it is only on one end.

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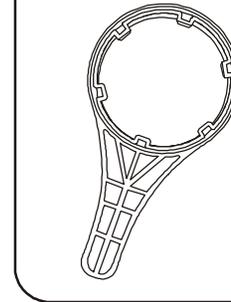


3. Shut off the water supply

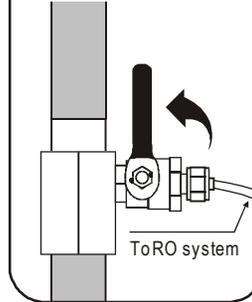


Filter change

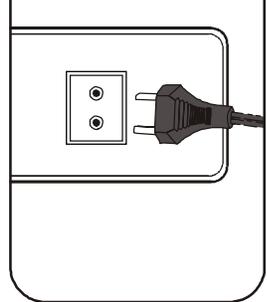
1 Tools -, Find the filter house key



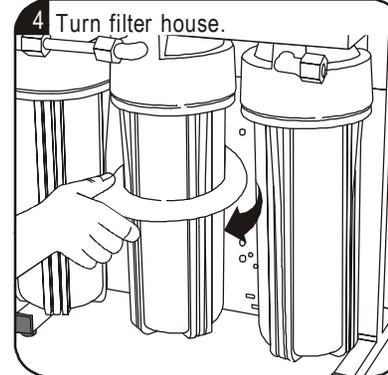
2 Turn off water supply valve



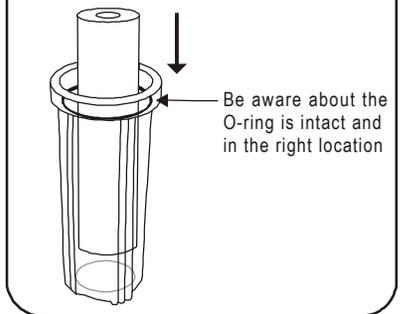
3 Turn off og pull plug



4 Turn filter house.

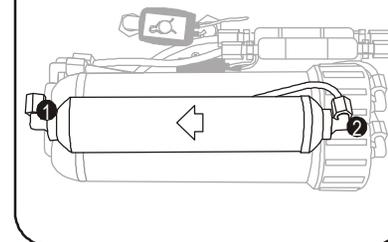


5 install new filter

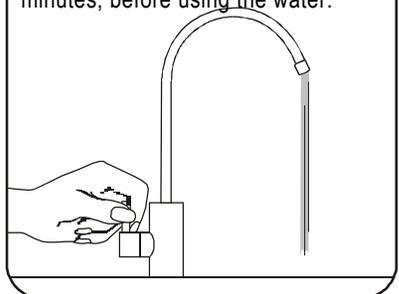


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6 Disconnect tube from fitting. Turn fitting out of filter. Install new filter. Please remember to reapply teflon tape to the fitting.

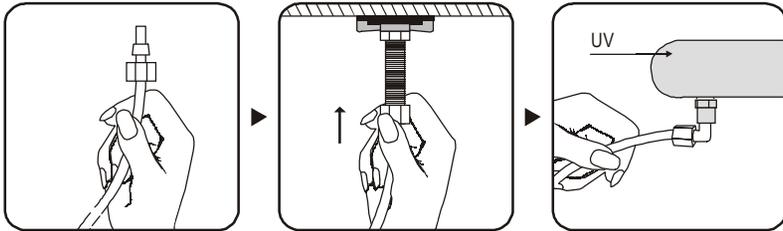


7 After you have changed your filters. Let the water run for 30 minutes, before using the water.



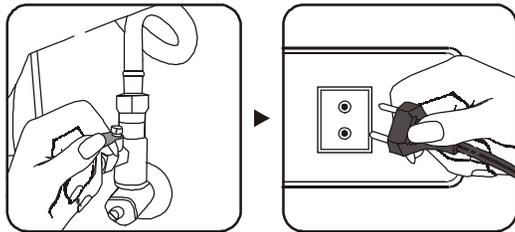
Installation guide

10. Tag hvid slange Install fitting followed by the tube as shown on the pictures below.
Connect the tube to the faucet. Install the loose tube to the outlet of the last filter on the unit.



11. Please make sure you have installed everything in step 1-10. Open for the water supply and turn on the power.

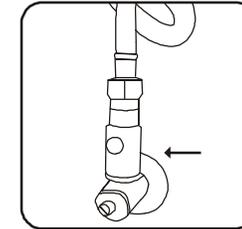
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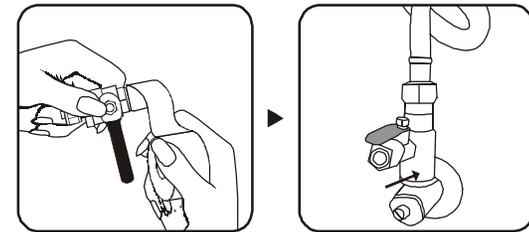
Be aware! Do not use the water before it has run for 30 minutes.

Installation guide

4. Locate your water intake for your sink and install the stainless steel fitting as shown on the picture.

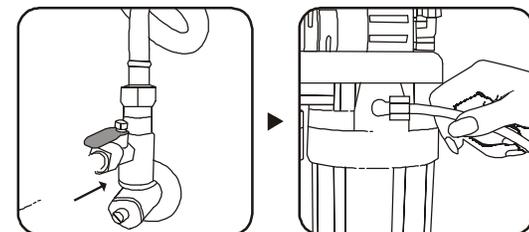


5. Take the valve and apply teflon tape. Install the valve on the fitting.



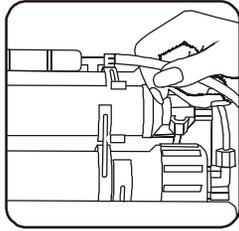
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6. Connect the valve with fitting on the first filter as shown on the picture.

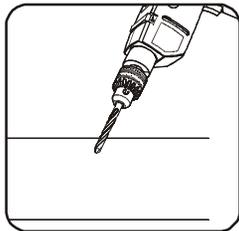


Installation guide

7. Install the tube for the drain.



8. *OPTIONAL* Drill a 10mm hole in your kitchen table, where you want the faucet.



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Installation guide

9. Install the faucet as shown on the picture below

