Geekpure CTO-10BF Nano Atiscale Carbon Filter Instruction Manual

Contents

Geekpure

Geekpure CTO-10BF Nano Atiscale Carbon Filter

INSTALLERS

1. PLEASE READ ALL INSTRUCTIONS BEFORE INSTALLING AND USING TIDS SYSTEM.
2. IT IS RECOMMENDED TO WAIT UNTIL THE ENTIRE SYSTEM IS PRESSURIZED AND RE-CHECK FOR ANY LEAKS BEFORE LEAVING INSTALLATION SITE.
3. THERE IS PROTECTION MATERIAL IN THE FILTERS, PLEASE KEEP FLUSH THE FILTERS AT LEAST 10 MINUTES .
4. IT IS NORMAL FOR SOME BLACK CARBON FINES TO APPEAR IN THE WATER WHEN YOU FLUSH NEW FILTER. THE WATER PRODUCED SHOULD BE EMPTIED AND NOT USED.

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How Your System Works

Function

- Nano Anti scale Carbon, remove chlorine, hardness, scale, odor, sand, soil, silt, rust, sediment and lime in water, with obvious anticable effect.
- The system is compact and can be installed under the sink or another convenient place close to the faucet. The closer the proximity to the faucet the better the system flow rate.
- Recommended Filter Change Schedule
- Your filters require changing on a regular basis. Instructions to change them every 6 months. The schedule is the minimum recommendation. Depending on your water conditions the filters may need to be changed more often.

Before You Start
Your system contains filters which must be replaced periodically for proper operation. (Refer to Filter Change Schedule on page 1. Read all steps and guides carefully before installing and using your Water filter system. Follow all steps exactly to correctly install.

Before You Start
The system is designed to be used on potable water supplies only. If water is non-potable, additional pretreatment will be required.

- Do not use for the treatment of water that is visually contaminated
- (cloudy) or has an obvious contamination source, such as contamination by raw sewage.
- All plumbing should be done in accordance with local codes and requirements.
- Nano Antiscale Carbon Filter works on inlet water pressures of35 psi (minimum) to 125 psi (maximum). If your house water pressure is over the maximum, install a pressure reducing valve in the water supplyline to the filter system.
- Do not install the system outside, or in extreme hot or cold temperatures. Temperature of the water supply to the system must be between 40-110°F/5-45°C.Do not install on hot water.

Tools Needed

Plastic Tube Cutter

3/8” Variable Speed Electric Drill; 1/8”, ¼”, ½” Bits,

Teflon Tape

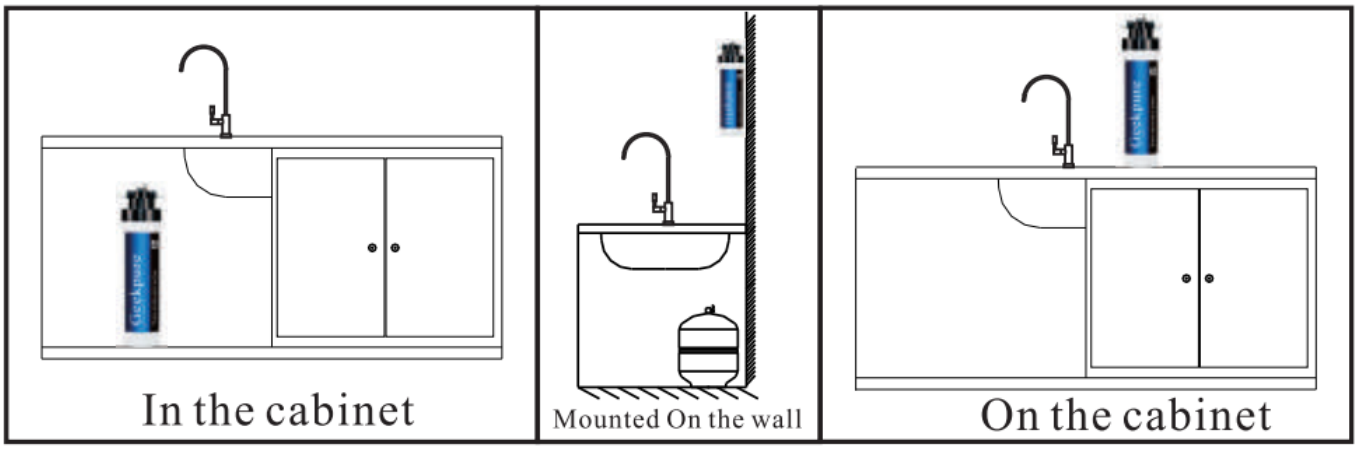
Center Punch and Hammer

Monkey Wrench

Scissors

System Location

- Your system may be installed under the sink, in a basement, or other location depending on available space. It is recommended the system be installed in as close a proximity to the faucet to ensure optimal system flow rate. If you have a water dispenser or ice maker in your fridge, your system can be installed to provide the feed water for these features but you should consult your fridge owners manual for further information.
- Guidelines for component placement are as follows
- Faucet should be placed near the sink where drinking/cooking water is normally required. A 2″ flat surface is required to mount the faucet if an existing hole for a second faucet is not available. The thickness of the mounting surface should not exceed 1-1/4″ Stoe vertical or horizontal tailpiece. Refer to Figure 1.
- Under the sink or in a nearby cabinet are excellent choices. the unit may be mounted on either side of the sink, in a cabinet or heated basement, with nearby access to a potable, cold line and a drain .



NOTE: All components and tubing should be located in an area not exposed to freezing temperatures or direct sunlight.

Operation Specifications

WATER SUPPLY	CHLORINATED/ NON– CHLORINATED
Feed Water Pressure	35-125 PSI
Temperate	40-110°F/5-45°C
PH	3.0-11.0
MAX. TDS	500PPM
Turbidity	< l.0NTU
MAX SDI	<4.0
Hardness	< 5 GPG
Iron	<0.1
Mangansese	<0.05
Hydrogren Sulfide	0.00

Parts Of The System

Figure 1

1. NanoAntiscale Carbon Filter
2. Cap of Nano Antiscale Carbon Filter
3. Inlet for Feed Water
4. Outlet for Pure Water
5. Stopper **(Note:It** is special design for Reverse Osmosis Membrane drain water, please don't try to open it.)
6. Feed Water Diverter Valve
7. Lead Free Faucet
8. Faucet Connector

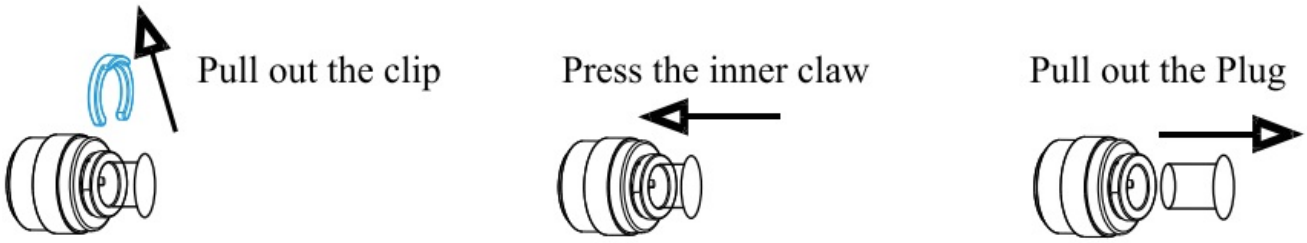
9. 3 Meters 3/8″ Tube
10. Bracket for Mounting
11. Plug for Inlet and Outlet
12. Teflon Tape
13. Silicon grease

Installation Steps

1. Cartridge Filters
2. Faucet
3. Feed Water Diverter Valve
4. Installing Tubing Into Fittings and Disconnect
5. Tubing Connections
6. Flush System and Check Operation

How to Install and Replace the Cartridge Filters

1. Remove the protective wrap from the filter cartridge.
2. Take off the plug of inlet/outlet.



3. To install the filter simply push it up inside the cap and turn clock wise until the arrow aligns with the center of the cap. To remove the filter reverse the procedure.

Note

1. Please Apply silicon grease liberally on the filter o-ring. (Failure to do this can result in a slow leak or drip if the o-ring is too dry). 2.It is a good idea to be aware of where the inlet water valve is located so that it can easily be turned off if any unforeseen problems are encountered.

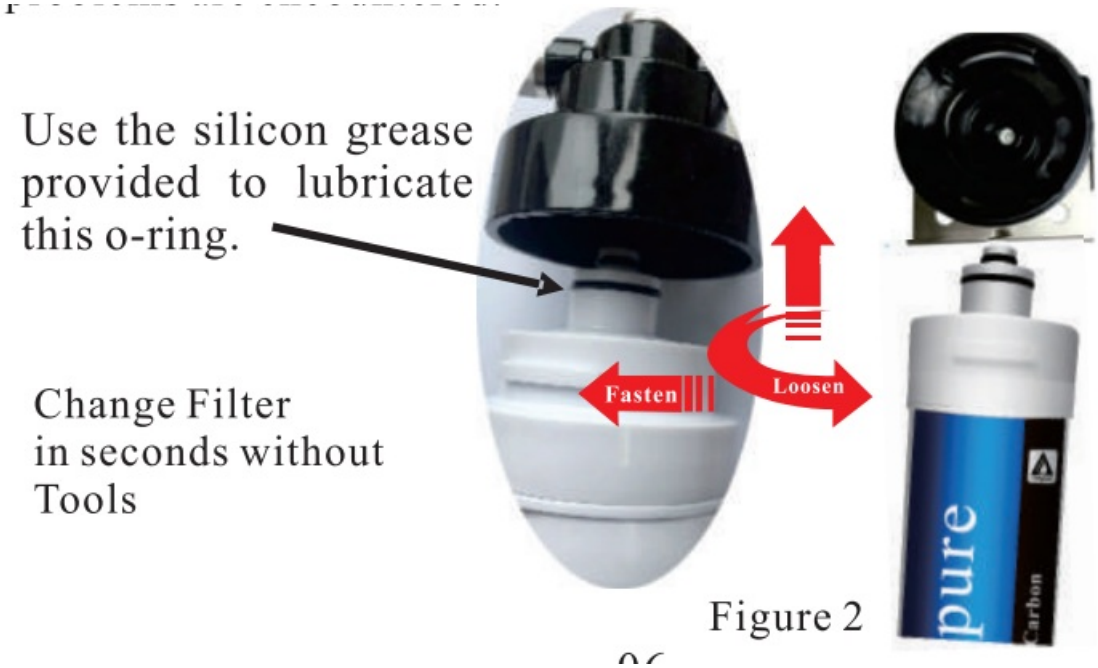


Figure 2

Installing the Faucet

- If the sink has a sprayer it may be disconnected for faucet installation. A pipe cap or plug will be necessary to seal the sprayer connection.
- The faucet should be positioned so it empties into the sink and the spout swivels freely for convenience. If sink has a hole that can accommodate the faucet, no drilling is required. Proceed with mounting the faucet.
- Porcelain, Enamel, Ceramic on Metal or Cast Iron Sinks
- For porcelain/enamel sinks marble or granite counter tops refer to Manufacturer/Supplier for proper drilling instructions.
- Installation procedures for stainless steel sinks

Recommended tools

- Center punch
- Variable speed drill
- High speed drill bits
- Protective gloves & eye protectors

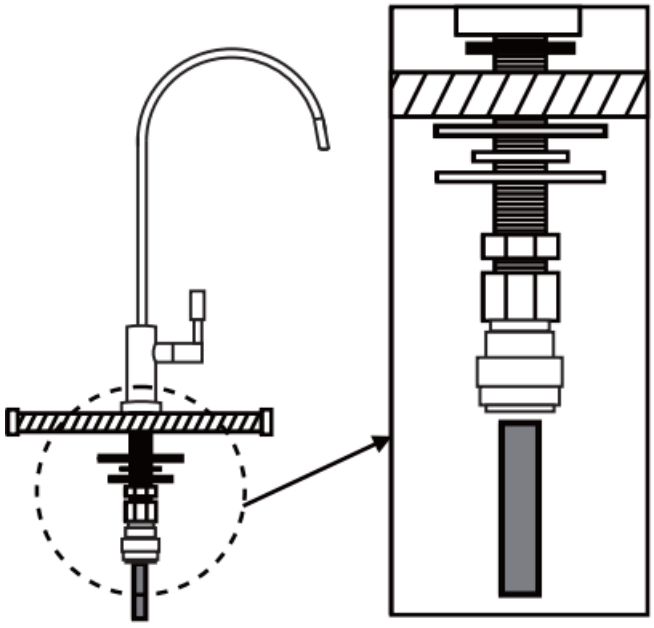
To make the faucet mounting hole (if sprayer or second hole is not used), check below to make sure the drill does not interfere with anything below the sink. Center punch a small indent at the desired faucet location. (2″ flat surface is required, not exceeding 1-1/4″ in thickness). Drill the 1/8″ pilot hole. Drill the ½” hole for the faucet shank to fit through. Clean up sharp edges.

Mounting the Faucet

1.

Figure 3

Feed the threaded nipple through sink or counter mounting hole and orient the faucet as shown. From below sink or counter, assemble the flat washer and hex nut on threaded nipple and tighten by hand. After checking faucet orientation, tighten with a wrench until secure.



2. Install the faucet adaptor fitting (shown below) and tighten until the fitting bottoms out on the o-ring inside to create the seal. Tighten with wrench until secure.
3. Insert the 3/8″ white tube into the quick connect fitting.

Installing the Feed Water Diverter Valve

The feed water diverter Valve is designed for use with 3/8″ to 1/2″ OD soft copper supply tubing.

- Turn off cold water valve from under sink or main water line valve for whole house.
- Wrap threads of Feed Water Diverter Valve with Teflon tape.
- Connect White Feed Water Tubing from unit to Feed Water Diverter Valve and then connect to source water.

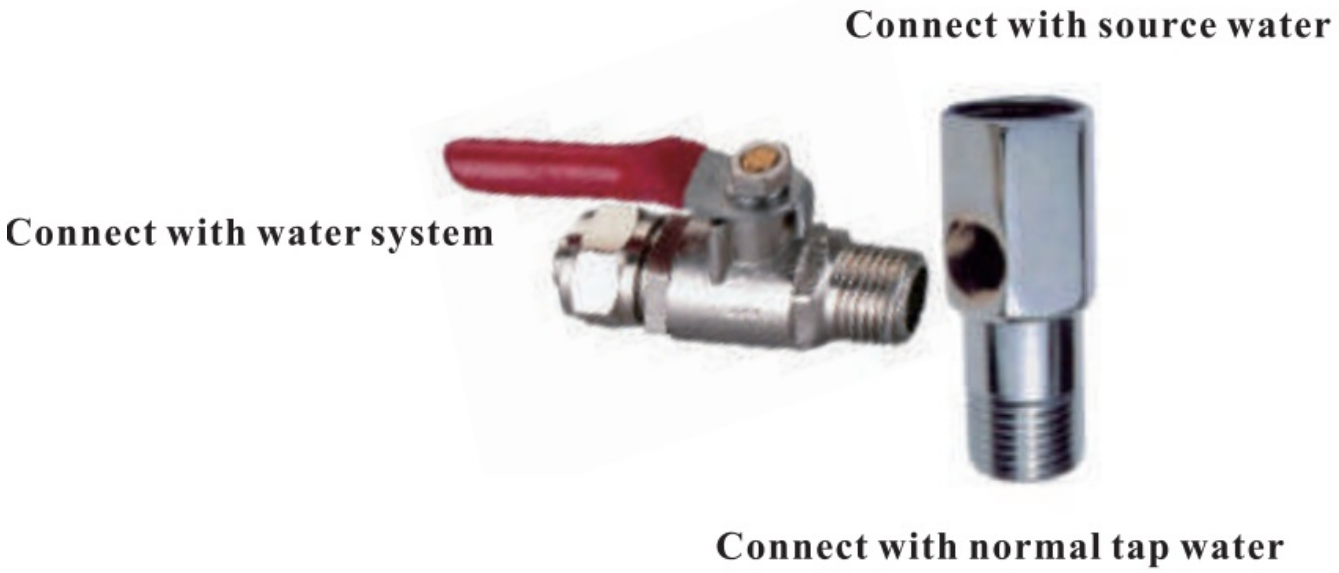


Figure 4, Feed Water Diverter Valve

Caution: The water supply to your unit MUST be from COLD WATER

LINE.
Turn on water supply to pressure cold water line and check for leaks.

Installing Tubing Into Fittings and Disconnect

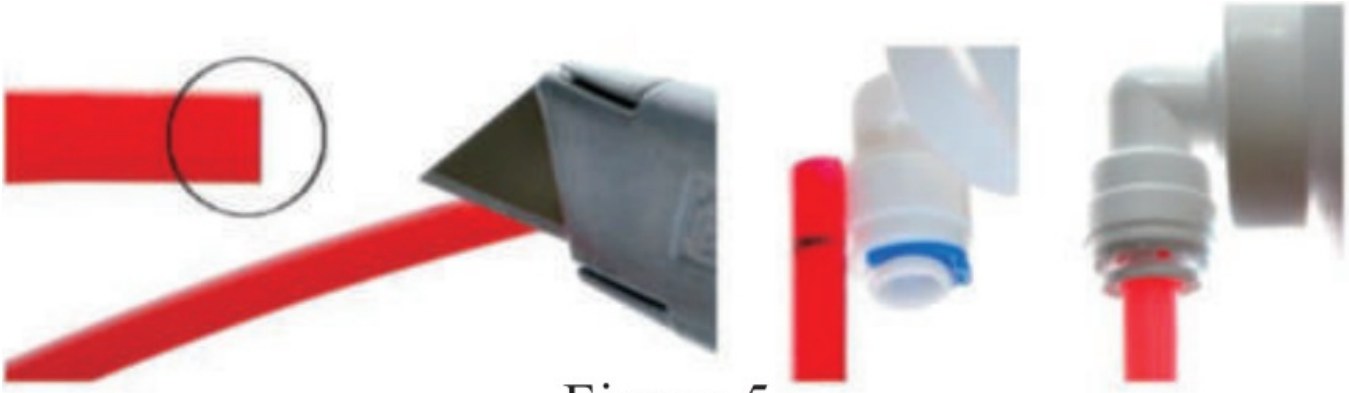


Figure 5

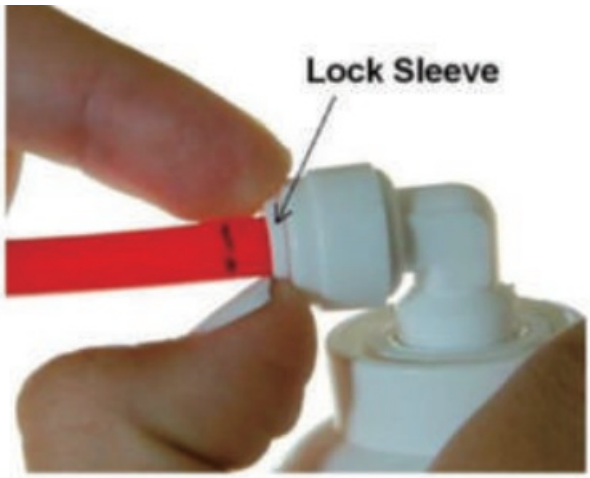
To connect

1. See Figure 1. Check and cut the tubing end squarely and cleanly with utility knife or scissors.
2. Make a½" mark at the end of the tube so you will be able to confirm when the tube is inserted fully into the fitting.
3. Remove the blue lock clip from the fitting with your nail. If the lock sleeve pops out of the fitting when doing this, simply pop it back in.
4. Insert the tube into the fitting until you reach the½" mark on the tube. You will feel resistance when the tube reaches the small rubber O ring inside the fitting. You will need to wiggle the tube and apply additional pressure to get it past this O
5. ring and create the seal. If the tube is not½" into the fitting and past the O ring, no seal will be created and

leaking will occur.

6. Once the tube is fully inserted into the fitting, pop the blue lock clip back on the fitting. This will lock the tube in place and prevent it from moving.

Figure 6



With two fingers
PUSHING IN and PRESSING DOWN
Lock Sleeve, pull out tubing

Figure 7

To disconnect

1. See Figures 2 and 3. Remove the blue lock clip from the fitting.
2. With the blue lock clip removed, use your thumb and index finger to hold down the lock sleeve. This will release the metal teeth holding the tube in place. While holding the lock sleeve down with that hand, use your other hand to remove the tube from the fitting.

Note

- Tubing should follow contour of the cabinets.
- Cut tubing to desired length using square cuts and proper cutting Device.
- Make no sharp bends. Or else, the system may be leaking in the future.
- Keep tubing from the filter to the faucet as short as practical for good flow.
- Leave enough tubing that the system can easily be pulled out from the cabinet for easy filter changes.

Installing Tubing Connections

1. Take out the 3 meters 3/8″ white tube.
2. Cut the tube to 2 pieces. 1.5 meters for feed water. Remain 1.5 meters for pure water. You may adjust length as local installation condition.
3. Connect feed water tube to feed water diverter valve. Connect pure water tube to faucet. For connection method, please refer page 08-09.
4. Check all connections to be sure they are secure.
5. Turn on feed water diverter valve and check for leaks.(turn off and correct leaks ifleaks occur).

NOTE: THE SYSTEM MUST BE INSTALLED BY HANGING THE BRACKET ON THE WALL SO THAT THERE IS NO WEIGHT ON THE FILTERS. THE SYSTEM IS NOT DESIGNED OR INTENDED TO SIT ON THE FLOOR WITH THE WEIGHT SUPPORTED BY THE REPLACEABLE FILTER CARTRIDGES.

Flush System and Check Operation

Start-up

1. Check all connections to be sure they are secure.
2. Turn on feed water valve and check for leaks. (turn off and correct leaks ifleaks occur).
3. Close faucet and wait 5 minutes to see ifleaks result. (turn off and correct leaks ifleaks occur).

Flush System and Check Operation

1. Open faucet handle and system to completely drain. Do not use this water.
2. Close faucet and Inspect system for leaks.
3. Allow system to be flushed for approximately 10 minutes or 5 gallons water.
4. Then, the system is ready for use.

Note
It is normal for some black carbon fines to appear in the water when you flush the filter.
And the flush water should be emptied and not used.

Trouble Shooting

PROBLEM	CAUSE	SOLUTION
No product water.	Water supply is turned off.	Turn on feed water.
Not enough product water	Water supply is blocked.	Clear restriction.
	Filters are plugged.	Replace new filter cartridge.
	Feed water valve plugged or closed .	Open valve or unclog.
Water has bad taste.	New system but you don’t flush it completely.	Flush the new system 10 minutes or 5gallons water.
	You don’t use the filter some days.	Flush the system 10 minutes.if you don’t use it one month or more time,please replace a new filter.
	Feed water quality is bad quality.	Municipal water is recommended feed water , and the system for drinking water applications. but the product water **CAN NOT BE DRINKED** if feed water is micro biologically unsafe or unknown quality ,and without adequate disinfection before or after the filter.
Leaks.	Tubing connections not installed properly.	Re-install tubing into fitting.
	Tube was not inserted deeply.	Disconnect the tube and re- install, please ensure the tube is inserted deeply.

Warranty

- We would like to thank you for choosing the Geekpure Nano Antiscale Carbon filer
- Geekpure Nano Antiscale Carbon filer (excluding cartridge filters) are warranted to be free from defects in materials and workmanship under normal use within the operation specifications for a period of 1 year limited warranty from the date of original purchase.
- Geekpure will replace any part (excluding cartridge filters and membrane) which fails 1 years from date of original purchase, provided the failure is due to a defect in material or workmanship. The only exception shall be when proof of purchase or installation is provided and then the warranty period shall be from the date thereof.
- General Conditions Geekpure’s obligation to the customer under these warranties shall be limited, at its option, to replacement items covered by these warranties. Prior to return of covered Items, the customer must obtain a return goods authorization number from Geekpure and at Geekpure’s option, return the item freight prepaid at the customer’s expense. Any covered item replaced under these warranties will be returned prepaid standard freight to the original point of shipment. Damage to any part of this system because of misuse, misapplication, negligence, alteration, accident, installation, or operation contrary to our instructions, incompatibility with accessories not installed by Geekpure, or damage caused by freezing, flood, fire, or Acts of God are 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.

Ifit is not clear and you need further support, please contact with us.

- **Email:** tech@geekpure.cc
- Geekpure Water Group
- www.geekpure.cc

Documents / Resources

	Geekpure CTO-10BF Nano Atiscale Carbon Filter [pdf] Instruction Manual CTO-10BF Nano Atiscale Carbon Filter, CTO-10BF, Nano Atiscale Carbon Filter, Atiscale Carbon Filter, Carbon Filter, Filter