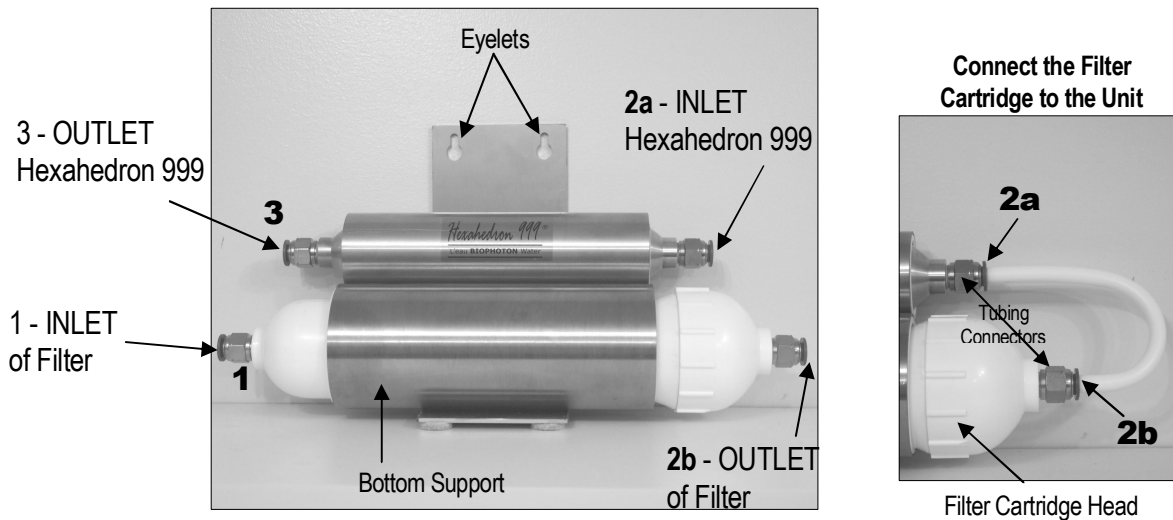


Hexahedron 999® ... Installation Under the Counter Unit

Français →



**NOTE: Professional installation
by a plumber or water technician is recommended**

INSTALLATION :

1. INSTALL THE CONNECTORS ON THE HEXAHEDRON 999 UNIT

- Hand screw the tubing connector (provided) into the Hexahedron 999 unit - one at each end (position 2a and 3)
- Tighten each connector with a small westcut or an open key wrench.
 - Do not over tighten the connectors - unrepairable damage may occur to the threads.

2. ASSEMBLE THE FILTER CARTRIDGE

- Take the filter cartridge out of the bottom support and remove the plastic covering
- Hand screw the tubing connectors (provided) into the filter cartridge - one on each end (position 1 and 2b)
- Tighten each connector with a small westcut or an open key wrench
 - DO NOT OVER TIGHTEN THE CONNECTORS - unrepairable damage may occur to the filter threads
- Reinsert the filter cartridge into the bottom support

3. CONNECT THE FILTER CARTRIDGE TO THE UNIT

- Insert the long end of the "U" shaped tubing into the INLET of the Hexahedron 999 Unit (position # 2a)
- Insert the short end of the "U" shaped tubing into the OUTLET of the filter cartridge (position # 2b)
- After inserting the tubing TUG lightly on it to ensure that it is properly secured - it should not come out of the connection holes. If it does come out, reinsert more deeply - the depth of insertion is equal to the length of the protrusion of the connector. Repeat the TUG test. If it still comes out, discontinue the installation until new connectors can be obtained.

NOTE - If the "U" shaped tubing is misplaced or unusable for any reason - simply cut a suitable length of tubing from one of the longer pieces of tubing which are provided - allowing enough length to make a tension-free "U"-turn.

4. INSTALL THE BRACKET

- Find the ideal location under the counter
- While holding the unit in place - mark the cabinet wall through the eyelets on the back plate of the unit
- Pre-drill the screw holes
- Secure the unit to the cabinet using the screws provided

5. CONNECT THE UNIT TO THE SINK:

STEP 1 :

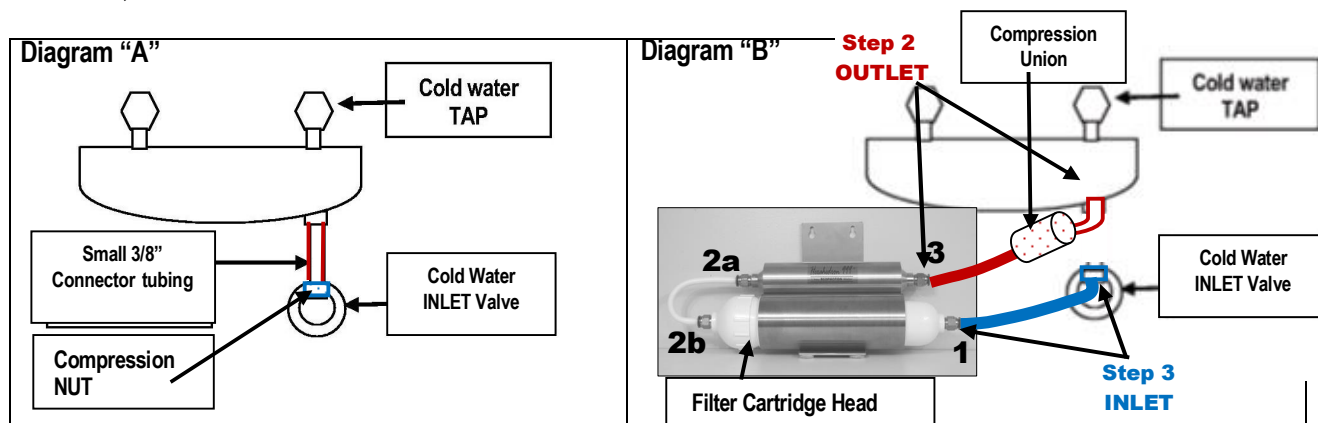
- 1.1 Turn on the cold water tap at your sink faucet
- 1.2 Turn off the cold water inlet valve under the counter - water will drain from the line and should stop flowing from the sink faucet momentarily - if it does not stop find out why (e.g. wrong valve turned off ??)

STEP 2 :

- 2.1 Using a small westcut or an open key wrench – unscrew the compression nut holding the connector tubing to the cold water inlet
- 2.2 Attach the unscrewed end of the connector tubing to the compression union which is provided
- 2.3 At the other end of the compression union insert and secure one end of the first 3/8" plastic tubing provided
- 2.4 Cut the plastic tubing so it can reach the outlet of the Hexahedron 999 Unit **plus at least 6 inches**. It is important that this tubing is long enough to prevent tension or stress between the tubing and the connector. Make sure that the tubing has a straight, flat cut (trim with a utility knife if required)
- 2.5 Insert the free end of the first 3/8 plastic tubing inside the Hexahedron 999 OUTLET (position # 3).
- 2.6 After inserting the tubing TUG lightly on it to ensure that it is properly secured – it should not come out of the connection holes. If it does come out, reinsert more deeply - the depth of insertion is equal to the length of the protrusion of the connector. Repeat the TUG test. If it still comes out, discontinue the installation until new connectors can be obtained.

STEP 3 :

- 3.1 Take one compression O Ring (supplied) and place it inside a compression nut and screw it onto the cold water inlet valve.
- 3.2 Insert one end of the second 3/8 plastic tubing into this compression nut. Use a small westcut or open key wrench to tighten.
- 3.3 Cut the plastic tubing so it can reach the inlet of the Filter Cartridge **plus at least 6 inches**. It is important that this tubing is long enough to prevent tension or stress between the tubing and the connector. Make sure that the tubing has a straight, flat cut (trim with a utility knife if required)
- 3.4 Insert the other end of the second 3/8 plastic tubing into the INLET of the Filter (position # 1).
- 3.5 After inserting the tubing TUG lightly on it to ensure that it is properly secured – it should not come out of the connection holes. If it does come out, reinsert more deeply - the depth of insertion is equal to the length of the protrusion of the connector. Repeat the TUG test. If it still comes out, discontinue the installation until new connectors can be obtained.



STEP 4 :

- 4.1 Open the cold water INLET valve slowly – about half way only. The cold water tap at the sink should still be open – if it is not, open it as well. A black colored water and air will initially be released through your sink faucet. The black color is carbon fines which are rinsed out (this is normal).
- 4.2 Allow the water to run for 3 to 5 minutes or until the water becomes clear
- 4.3 Open the cold water INLET valve fully. Then close the cold water tap at the sink and allow for pressure build-up
- 4.4 **NOW CHECK FOR LEAKS** - check for leaks at the following locations : position 1, 2b, 2a, and 3, on threaded filters, check the cartridge head, at the cold water tap connection including both ends of the compression union and at the cold water inlet connection. If there are any leaks shut down the system immediately (see Shut Down) - uninstall the fitting that is leaking and reinstall - use additional teflon tape on the connectors if required. **NEVER LEAVE A LEAKING SYSTEM ON-LINE.**
- 4.5 If there are no leaks, then open the cold water tap and allow it to run for another 3 minutes if needed.

ATTENTION: When the installation sink will not be in use for a prolonged period of time, such as when on vacation or on weekends or when at work, it is suggested that you turn off the valve at the cold water inlet under the sink, prior to leaving your home. If you are installing the unit in a building that is subject to high pressure spikes and/or installing where professional instruments and equipment are located - ensure that water hammer preventers and pressure regulators are installed where required and that they are up to building code **and** turn off the cold water inlet valve when the sink is not in use.

HOW TO CHANGE THE FILTER CARTRIDGES :

SHUT-DOWN:

- Shut off the cold water INLET valve to the filter (lever positioned at 90° angle to pipe flow)
- Open the cold water faucet at sink to release pressure in the unit
- Press down on the inner ring (see Diagram C - 1)
- At the same time pull the hose outward (see Diagram C - 2)
- Repeat for the other end of the cartridge
- Remove the old cartridge and insert the new replacement (flow direction is indicated on the cartridge)
- Reinsert the tubing on both ends of the cartridge. After inserting the tubing TUG lightly on it to ensure that it is properly secured – it should not come out of the connection holes. If it does come out, reinsert more deeply - the depth of insertion is equal to the length of the protrusion of the connector. Repeat the TUG test. If it still comes out, discontinue the installation until new connectors can be obtained.



Diagram C

START-UP:

- Leave the cold water tap at the sink open to drain the air out
- Open the cold water INLET valve – positioning the handle parallel to pipe flow or in-line with pipe flow
- Allow the water to run for 3 to 5 minutes or until the water is crystal clear (NOTE: the water will initially be black from the carbon fines which is normal)
- Turn the cold water tap at the sink off allow for pressure build-up and check for leaks ... then open the cold water tap and allow it to run for another 3 minutes if needed

WHEN TO CHANGE THE FILTER CARTRIDGES :

The KDF55@GAC filter should be replaced once a year (every 12 months) or when water starts to taste chlorine, whichever comes first.

CONGRATULATIONS - You just acquire a Hexahedron 999 Unit. This unit has been Hand Crafted in Harmony with Nature with Love and Appreciation. Many craftsmen from different trades participated in this process. In spite of all the care taken, it is possible to find scratches and handling marks on your unit. This is normal and is part of the uniqueness of your particular unit. These marks do not affect the operation or the solidity of the unit in any way.

LEGAL NOTICE :

Attention : The use of the Hexahedron 999® and its trademark(s) and/or the Biophoton Research and/or any published R&D as a means for the marketing and commercialisation of any form of third-party product **including** bottled water and/or processed food or produce and/or various beverages **is strictly prohibited** ... without the prior written agreement of the Copyright / Intellectual Property Owner

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The Registered Distributor and/or Manufacturer indicated on your Warranty