



Installation Manual

FP2, FP2-K, FP2-HJ, FP2-HJ-K,
FP3, FP3-K, FP3-K1, FP3-HJ, FP3-HJ-K, FP3-HJ-K1, FP3-PLUS, FP3-PLUS-K



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1. Safety Precautions

WARNING!!! The system should not be used with biologically contaminated water or water of unknown origin.

Product may be installed only by trained service professionals. Only original replacement parts, filter cartridges and accessories made by manufacturer may be used.

Compliance with the following instructions ensures:

- problem free product operation,
- manufacturer's warranty.

Failure to comply with the following instructions will result in loss of warranty.

- 1) Read carefully this Instruction Manual before beginning system installation.
- 2) Check if all elements needed for the installation are included with the system. (refer to point 4 "Included in the Box").
- 3) Please note that after installing the system, as well as after each filter cartridge and hollow fiber membrane replacements, and in the case of long inactivity of the system, system flushing procedure must be conducted before resuming system usage.
- 4) Before disconnecting any tubing: remove safety clips from quick connectors, and next press the connector's flange and pull the tubing out.
- 5) During disconnecting and connecting of tubing be sure not to break it (correctly installed tubing should be inserted 1.5 cm inside of quick connector).
- 6) Secure quick connector with safety clip after tubing has been inserted.
- 7) For sealing plastic components use only Teflon tape!
- 8) Do not use strong detergents when washing filter housings. Rinse filter housings with clean water each time before installing new filter cartridges.
- 9) Wash your hands thoroughly before and after filter cartridge or membrane element replacements.
- 10) In case system is leaking, disconnect it from its water supply.
- 11) In all cases of product returns, the system must be returned in its original packaging – otherwise the return will not be accepted.
- 12) Manufacturer is not responsible for any damages resulted from the use of this product if used for other purposes than filtration of potable water.
- 13) Manufacturer does not hold any responsibility for printing errors.
- 14) Manufacturer reserves the right to introduce change or amendments to the provided technical informations at any time and without the necessity of a prior announcement.

Use only genuine **Aqua Market®** and **Aquafilter®** replacement parts, filter cartridges and membrane elements. In case of use of other manufacturers' parts, Aquafilter is not responsible for any damages caused in the course of product use.

2. Product Description

Aquafilter® Duo (FP2, FP2-K) and **Aquafilter® Classic (FP3, FP3-K)** are easy to install, aesthetic and ergonomic systems, designed for filtration of potable water. The systems remove rust and sand and also improve taste and aroma of water by reducing chlorine content, and removing substances harmful to human health.

FP3-K1 - modern, under-counter water filtration system, equipped with three filter cartridges: **FCPS5, FCCST2, FCCBKDF**. The system removes from water mechanical and sediment impurities, such as: rust, sand, silt, suspended solids, chlorine, hydrogen sulfide, organic substances, pesticides. It also reduces the concentration of dissolved and undissolved iron and heavy metals, reduces water hardness (exchanging ions of calcium and magnesium into ions of sodium).

FP3-HJ-K1 - a modern, four-stage water filtration system, equipped with three filter cartridges: **FCPS5, FCCST2, FCCBKDF** and hollow fiber membrane **TLCHF-2T**. The system removes from water mechanical and sediment impurities, such as: rust, sand, silt, suspended solids, chlorine, hydrogen sulfide, organic substances, pesticides. It also reduces the concentration of dissolved and undissolved iron and heavy metals, reduces water hardness (exchanges ions of calcium and magnesium into ions of sodium). In addition, the hollow membrane removes certain bacteria and viruses.

Aquafilter® Perfecto (FP2-HJ, FP2-HJ-K) and **Aquafilter® Clarte (FP3-HJ, FP3-HJ-K)** - filtration systems which combine sediment and carbon cartridges with a hollow fiber membrane for removal of mechanical contaminants including certain bacteria and viruses.

Aquafilter® Lumino - filtration system which combines sediment and carbon cartridges with a UV Lamp for effective bacteria removal.

Depending on water quality, several configurations of sediment, carbon and specialized cartridges are possible in all systems.

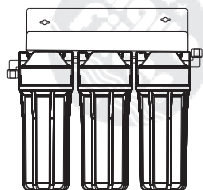
3. Technical Specifications

Inlet water temperature.....	between + 2°C and + 42°C
Inlet water pressure.....	between 3,5* bar and 6 bar
Water supply adapter.....	1/2"
Flexible tubing (outlet).....	1/4"
Membrane type.....	Hollow fiber membrane

* only in model: **Aquafilter® Perfecto, Aquafilter® Clarte, FP3-HJ-K1**.

IMPORTANT NOTE! The system with hollow fiber membrane must be secured from high pressures and rapid pressure changes caused by local water supply systems. Pressure regulator must be installed on the inlet of the system's water supply. The system's optimal performance pressure is 3.5 bar - pressure regulator is set to this parameter by the manufacturer. Failure to install pressure regulator will result in loss of warranty for pressure-operated elements. Regulator may be purchased separately - catalog nr. **ADV-REG_K**.

4. Included in the Box



Water Treatment System¹



Chrome plated Faucet
FXFCH5



Polypropylene fiber cartridge
FCPS20²



Carbon Block cartridge
FCCBL³



Polypropylene fiber cartridge
FCPS5⁴



Two-stage iron removing and water softening filter cartridge
FCCST2⁵



Filter cartridge with activated carbon and KDF[®] filtration media
FCCBKDF⁶



Hollow fiber membrane 2 / 12" **TLCHE-PP⁷**



Hollow fiber membrane, inside 2" PET housing
TLCHE-2T⁸



UV lamp
FUV-P5⁹



Teflon Tape
TAS0003



Wrench for housing
FXWR1¹⁰



Wrench for housing
FXWR1-BL¹¹



x 2¹² / x 3¹³
(O-rings are placed inside packaging together with filter housings)
OR-N-910x35



Chrome - plated Connector
FT06
(1/2" MIP x 1/2" FIP x 1/4" FIP)



Chrome - plated Connector
FT07
(3/4" MIP x 3/4" FIP x 1/4" FIP)



Chrome - plated Connector
FT02
(3/4" MIP x 3/4" FIP)

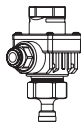


Shut - off Valve
SEWBV1414

Additional accessories NOT included in the box



Flexible Tubing
KTPE14W



Pressure Regulator
(not included in the set)
ADV-REG_K



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¹ depending on individual options it can be a system (Aquafilter[®] Duo (FP2, FP2-K), Aquafilter[®] Clarite (FP2-HJ, FP2-HJ-K), Aquafilter[®] Classic (FP3, FP3-K), Aquafilter[®] Perfecto (FP3-HJ, FP3-HJ-K), FP3-K1, FP3-HJ-K1, Aquafilter[®] Lumino (FP3-PLUS, FP3-PLUS-K)).

² the element is a part of the system (Aquafilter[®] Classic (FP3, FP3-K), Aquafilter[®] Perfecto (FP3-HJ, FP3-HJ-K), Aquafilter[®] Lumino (FP3-PLUS, FP3-PLUS-K)).

³ the element is a part of the system (Aquafilter[®] Duo (FP2, FP2-K), Aquafilter[®] Clarite (FP2-HJ, FP2-HJ-K), Aquafilter[®] Classic (FP3, FP3-K), Aquafilter[®] Perfecto (FP3-HJ, FP3-HJ-K), Aquafilter[®] Lumino (FP3-PLUS, FP3-PLUS-K)).

⁴ the element is a part of the system (Aquafilter[®] Duo (FP2, FP2-K), Aquafilter[®] Clarite (FP2-HJ, FP2-HJ-K), Aquafilter[®] Classic (FP3, FP3-K), Aquafilter[®] Perfecto (FP3-HJ, FP3-HJ-K), FP3-K1, FP3-HJ-K1, Aquafilter[®] Lumino (FP3-PLUS, FP3-PLUS-K)).

⁵ the element is a part of the system: FP3-K1, FP3-HJ-K1.

⁶ the element is a part of the system (Aquafilter[®] Clarite (FP2-HJ, FP2-HJ-K), Aquafilter[®] Perfecto (FP3-HJ, FP3-HJ-K)).

⁷ the element is a part of the system FP3-HJ-K1.

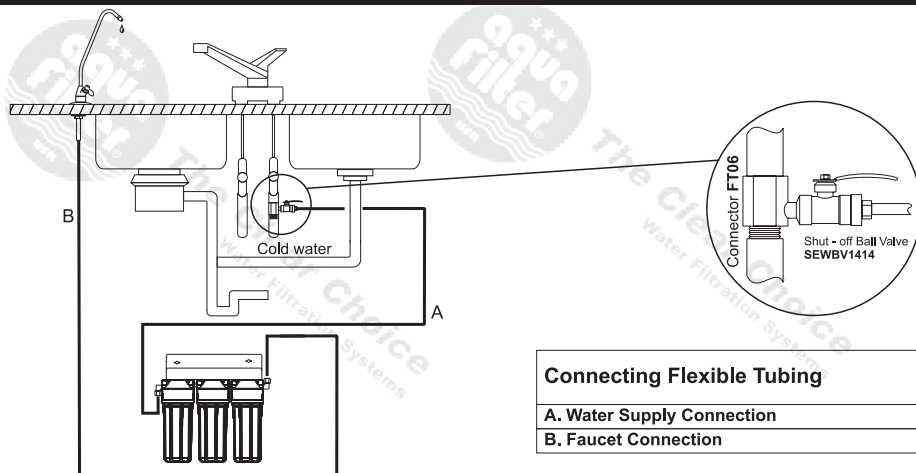
⁸ the element is a part of the system (Aquafilter[®] Lumino (FP3-PLUS, FP3-PLUS-K)).

⁹ the element is a part of the system (Aquafilter[®] Duo (FP2), Aquafilter[®] Clarite (FP2-HJ), Aquafilter[®] Classic (FP3), Aquafilter[®] Perfecto (FP3-HJ), Aquafilter[®] Lumino (FP3-PLUS)).

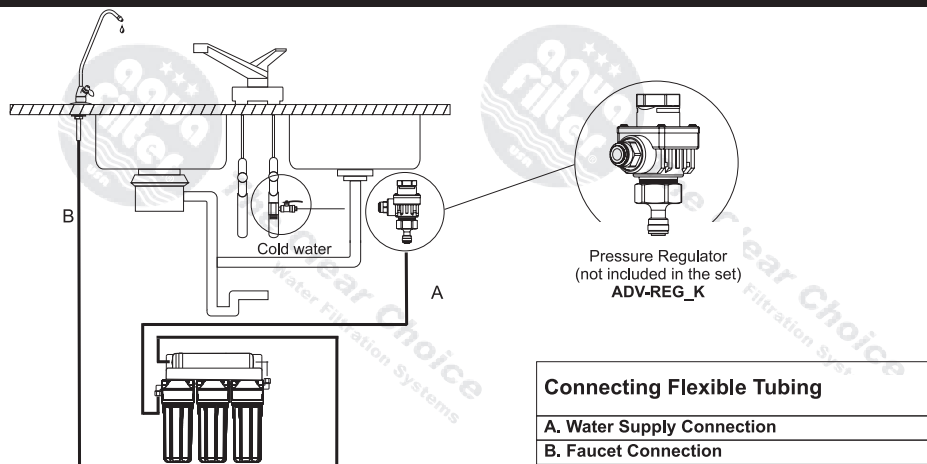
¹⁰ the element is a part of the system (Aquafilter[®] Duo (FP2-K), Aquafilter[®] Classic (FP3-K), Aquafilter[®] Perfecto (FP3-HJ-K), FP3-K1, FP3-HJ-K1).

¹¹ the element is a part of the system (Aquafilter[®] Classic (FP3-K), Aquafilter[®] Perfecto (FP3-HJ-K), FP3-K1, FP3-HJ-K1).

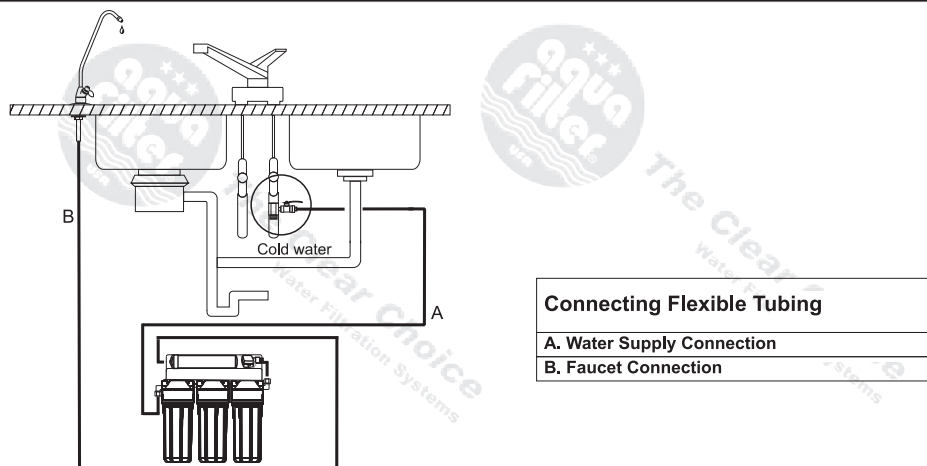
5. Example of connection diagram for Aquafilter® Duo series (FP2, FP2-K) and Aquafilter® Classic series (FP3, FP3-K), FP3-K1



5.1. Example of connection diagram for Aquafilter® Clarte (FP2-HJ, FP2-HJ-K) and Aquafilter® Perfecto (FP3-HJ, FP3-HJ-K), FP3-HJ-K1, equipped with hollow fiber membrane

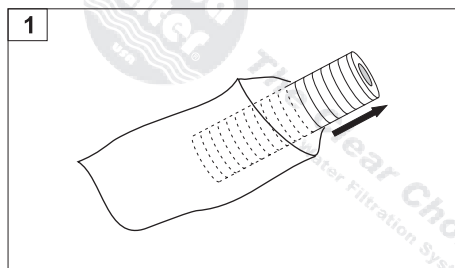


5.2. Example of connection diagram for Aquafilter® Lumino (FP3-PLUS, FP3-PLUS-K) with UV lamp

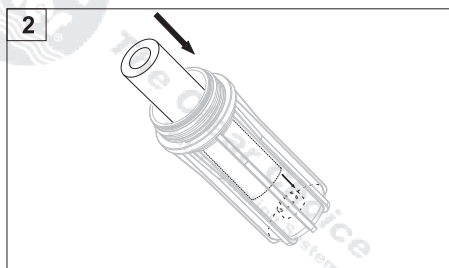


6. Preparing systems Aquafilter® Duo (FP2), Aquafilter® Clarte (FP2-HJ), Aquafilter® Classic (FP3), Aquafilter® Perfecto (FP3-HJ), Aquafilter® Lumino (FP3-PLUS) for installation

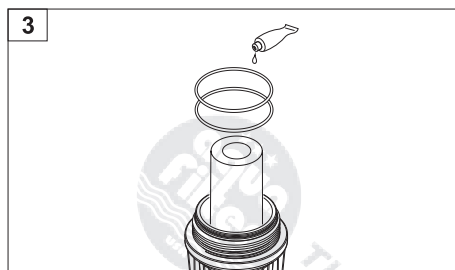
Cartridge configuration for individual systems - refer to Table 1.



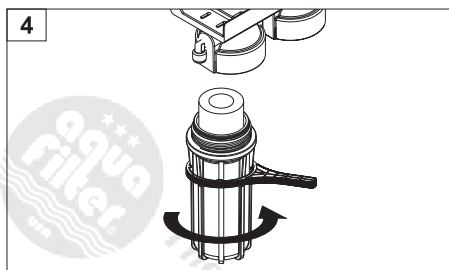
Unpack the cartridge out of plastic foil.



Put the cartridge on the stem located inside of the housing.



Grease O-rings with technical Vaseline (not included in the set).



Screw filter housing (containing cartridge) counterclockwise with filter head to the point of light resistance. Use wrench to tighten. (Remember to use wrench perpendicular to the housing to prevent damage). To install remaining cartridges, follow steps 1-4.

Warning! If you are experiencing difficulties screwing the housing with the filter head, check if the O-rings and cartridge are positioned correctly.

Remember to install the cartridges in the correct order:

- (a) sediment (in case of sediment cartridges, first install cartridge with largest micron size, e.g. in case of FCPS20 and FCPS5 cartridges, the FCPS20 should be installed first).
- (b) specialty (in case of specialty cartridges, install them with the gasket facing up).
- (c) carbon (in case of carbon cartridges, install them with the gasket facing up).

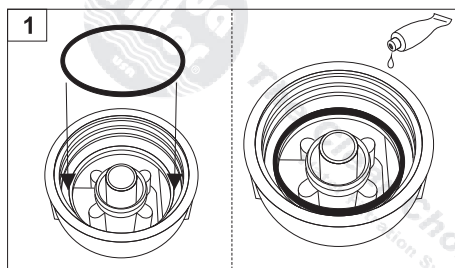
WARNING! During cartridge installation, follow proper configuration as shown in Table 1 and pay close attention to labels with numeric values placed on the installation plates of each system.

	Aquafilter® Duo (FP2)	Aquafilter® Clarte (FP2-HJ)	Aquafilter® Classic (FP3)	Aquafilter® Perfecto (FP3-HJ)	Aquafilter® Lumino (FP3-PLUS)
Housing 1	FCPS5	FCPS5	FCPS20	FCPS20	FCPS20
Housing 2	FCCBL	FCCBL	FCPS5	FCCBL	FCCBL
Housing 3	-	-	FCCBL	FCPS5	FCPS5

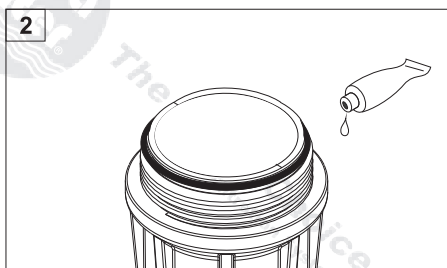
Table 1. Cartridge configuration for individual systems

6.1. Preparing systems Aquafilter® Duo (FP2-K), Aquafilter® Clarte (FP2-HJ-K), Aquafilter® Classic (FP3-K), Aquafilter® Lumino (FP3-PLUS-K), Aquafilter® Perfecto (FP3-HJ-K), FP3-K1, FP3-HJ-K1 for installation

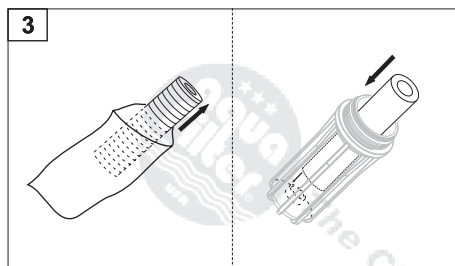
Cartridge configuration for individual systems - refer to Table 2.



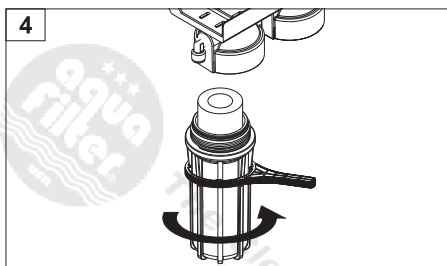
Remove O-rings from all filter housings then place them inside slots of all filter housing heads. Spread white cosmetic Vaseline (not included in the set) on to all O-rings (3 pieces) placed inside of the filter heads. **WARNING! After completing installation, make sure that O-rings are properly positioned.**



Spread white cosmetic Vaseline (not included in the set) on to O-rings (3 pieces) placed inside filter housing rims.



Unpack new cartridge out of plastic foil. Place filter cartridge inside filter housing sump (pressing against the top of plastic stem to ensure its central location).



Screw in filter housing cap to filter housing sump and tighten it with wrench (remember to use the wrench perpendicularly to the filter housing). Use the same procedures for the installation of remaining filter cartridges.

ATTENTION! If you cannot tightly screw the filter cap with filter housing sump check if all o-rings and cartridge are position correctly.

Remember to install the cartridges in the correct order:

- (a) sediment (in case of sediment cartridges, first install cartridge with largest micron size, e.g. in case of FCPS20 and FCPS5 cartridges, the FCPS20 should be installed first).
- (b) specialty (in case of specialty cartridges, install them with the gasket facing up).
- (c) carbon (in case of carbon cartridges, install them with the gasket facing up).

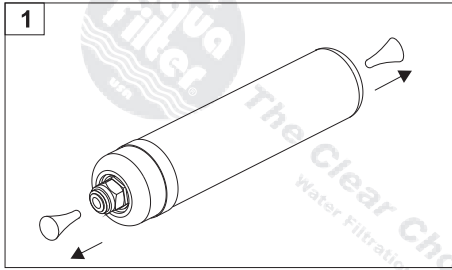
WARNING! During cartridge installation, follow proper configuration as shown in Table 1 and pay close attention to labels with numeric values placed on the installation plates of each system.

	Aquafilter® Duo (FP2)	Aquafilter® Clarte (FP2-HJ)	Aquafilter® Classic (FP3)	FP3-K1	Aquafilter® Perfecto (FP3-HJ)	FP3-HJ-K1	Aquafilter® Lumino (FP3-PLUS)
Housing 1	FCPS5	FCPS5	FCPS20	FCPS20	FCPS20	FCPS20	FCPS20
Housing 2	FCCBL	FCCBL	FCPS5	FCCST2	FCCBL	FCCST2	FCCBL
Housing 3	-	-	FCCBL	FCCBKDF	FCPS5	FCCBKDF	FCPS5

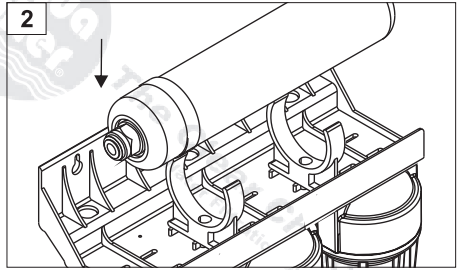
Table 2. Cartridge configuration for individual systems

7. Preparing systems for installation: systems equipped with hollow fiber membrane 2 1/2" (white housing)

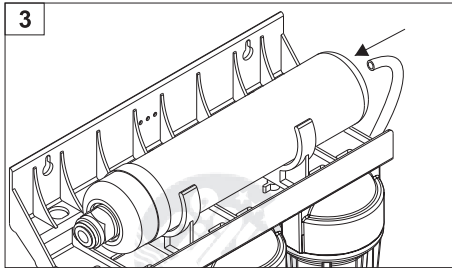
Prior to system installation, first install a hollow fiber membrane:



Unpack hollow fiber membrane from the foil and take out plugs from both ends.



In the under counter system, install hollow fiber membrane by placing it in the brackets mounted to the installation plate. **WARNING! While installing hollow fiber membrane, remember to keep the proper direction of water flow (indicated by an arrow on membrane sticker).**

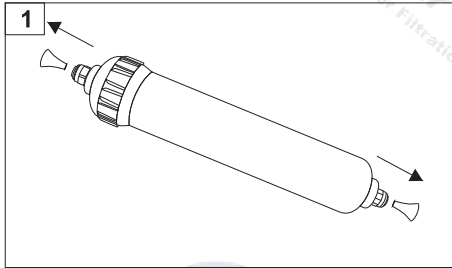


Using flexible tubing (coming out of OUT elbow), connect hollow fiber membrane with the system.

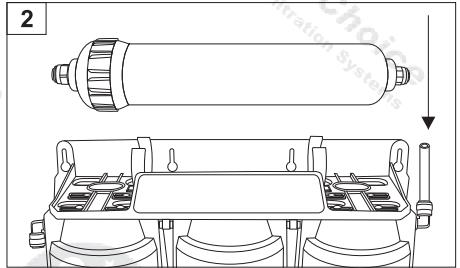
WARNING! Hollow fiber membrane is soaked with a special conserving solution. To activate the proper filtration environment, it is necessary to rinse the system before the first use as well as after each and every cartridge and hollow fiber membrane replacement. The system should be rinsed for at least 10 minutes.

7.1. Preparing systems for installation: systems equipped with hollow fiber membrane 2" (clear PET housing)

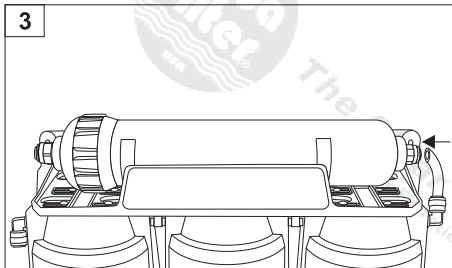
Prior to system installation, first install a hollow fiber membrane:



Unpack hollow fiber membrane from the foil and take out plugs from both ends.



In the under counter system, install hollow fiber membrane by placing it in the brackets mounted to the installation plate. **WARNING! While installing hollow fiber membrane, remember to keep the proper direction of water flow (indicated by an arrow on membrane sticker).**



Using flexible tubing (coming out of OUT elbow), connect hollow fiber with the system.

WARNING! Hollow fiber membrane is soaked with a special conserving solution. To activate the proper filtration environment, it is necessary to rinse the system before the first use as well as after each and every cartridge and hollow fiber membrane replacement. The system should be rinsed for at least 10 minutes.

8. Connecting Flexible Tubing with Quick Connectors: JG (John Guest) and QC (Quick Connector)

Disconnect Flexible Tubing:

- 1) Remove safety clip from the quick connector (if applicable) (Fig. 1).
- 2) Press on the flange of quick connector (Fig. 2).
- 3) Pull out flexible tubing (Fig. 3).

Connect Flexible Tubing:

- 1) Push the flexible tubing 1.5 cm (0.6 in) deep into the quick connector (Fig. 4)
- 2) Insert safety clip (if applicable) (Fig. 5).

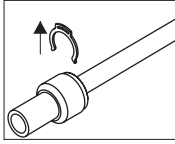


Fig. 1

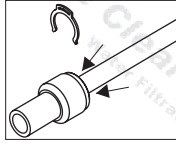


Fig. 2

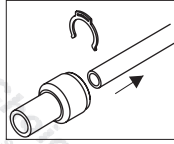


Fig. 3

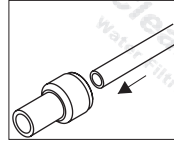


Fig. 4

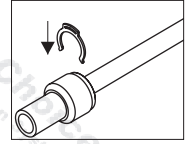


Fig. 5

8.1. Instructions for connecting and disconnecting filter cartridge and elbow connector (new filter cartridge with elbow connector)

Disconnecting elbow connector from filter cartridge:

- 1) Remove safety clips from quick connector (fig.1).
- 2) Push quick connector's flange symmetrically and pull the tubing out (fig. 2).
- 3) Unscrew inlet and outlet connectors from old filter cartridge (fig.3)
- 4) Remove old Teflon tape (fig.4).
- 5) Apply multiply layers of new Teflon tape (ensure that Teflon tape is wound in the opposite direction to the direction connector will be installed) (fig. 5).

Connecting elbow connector with filter cartridge:

- 1) Screw the elbow connector back to new filter cartridge.

NOTE! Do NOT remove elbow connector after the installation has been started. Stopping and removing (unscrewing) the element may result in inadequate connection and water leak. (fig.6).

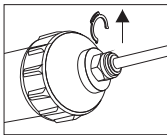


Fig. 1

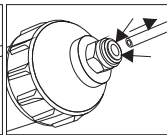


Fig. 2

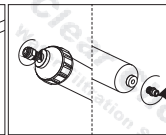


Fig. 3

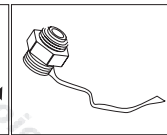


Fig. 4

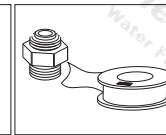


Fig. 5

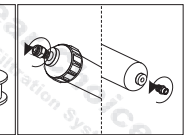


Fig. 6

8.2. Connecting Flexible Tubing with JACO-Type Connectors

Connect Flexible Tubing :

- 1) Put the nut on flexible tubing (Fig. 1).
- 2) Place the insert into the flexible tubing (Fig. 2).
- 3) Push tubing with insert into the elbow to the point of resistance (Fig. 3).
- 4) Tighten the nut (Fig. 4).

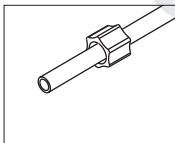


Fig. 1

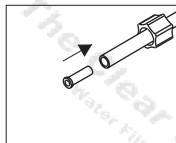


Fig. 2

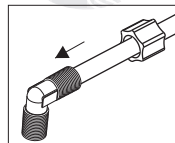


Fig. 3

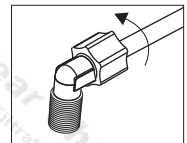
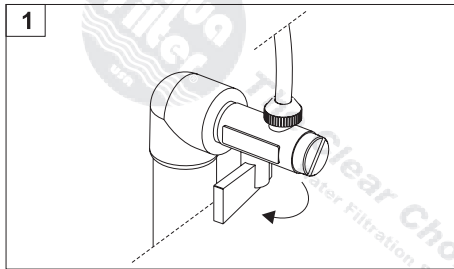


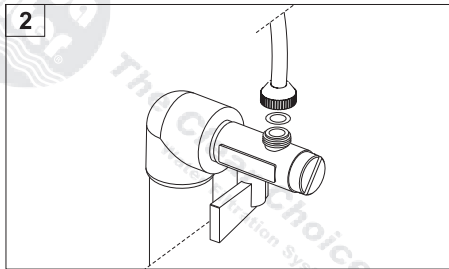
Fig. 4

9. System Installation - Stage I

WARNING! Manufacturer is not responsible for any damages that result from improper installation or use of system. System installation should be performed only in temperatures above 2°C (35.6°F).

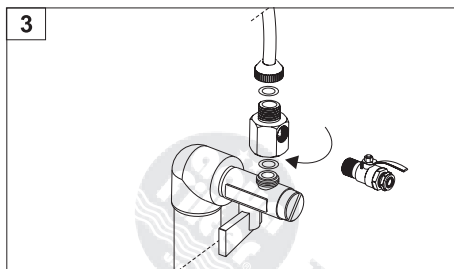


Shut off cold water supply valve.



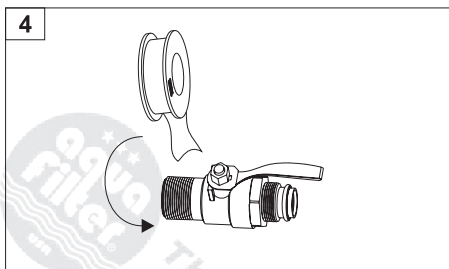
Unscrew flexible tubing from the shut-off valve (or the adapter).

WARNING! Between the shut-off valve and flexible tubing is a rubber gasket - be sure not to lose it.

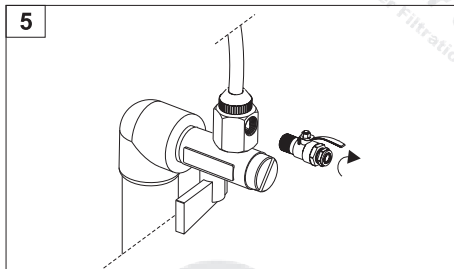


Screw chrome-plated adapter onto the shut-off valve to allow easy **SEWBV1414** valve installation and its easy opening and closing.

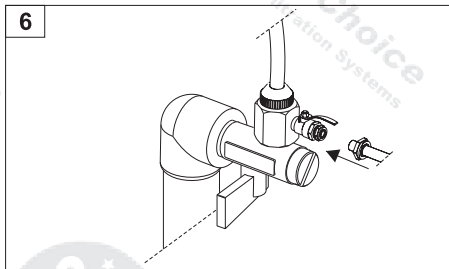
WARNING! Remember to place rubber gaskets in between the connections.



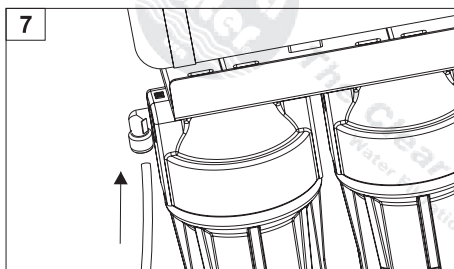
Wind a few layers of Teflon Tape **TAS0003** on shut-off valve adapter **SEWBV 1414**.



Screw **SEWBV1414** valve into chrome-plated adapter **FT06**.



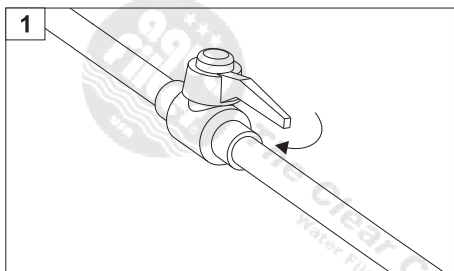
Put the nut on flexible tubing and connect it with **SEWBV1414** valve - push the tubing all the way into the valve and tighten the nut



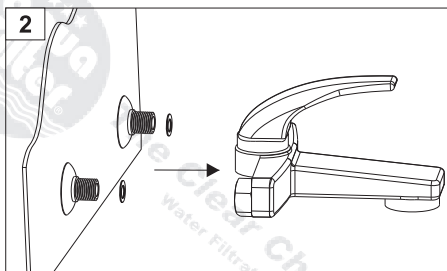
Connect other end of flexible tubing to the system.

WARNING! To seal threaded connections, always use Teflon tape during installation (does not concern threads for plastic and faucet nuts).

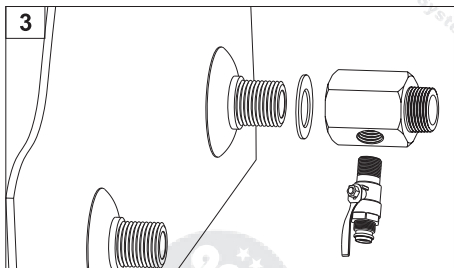
9.1. System Installation Option II - Wall Faucet



Shut off water supply valve.

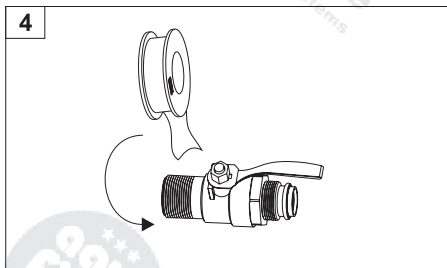


Unscrew sink faucet from the wall.

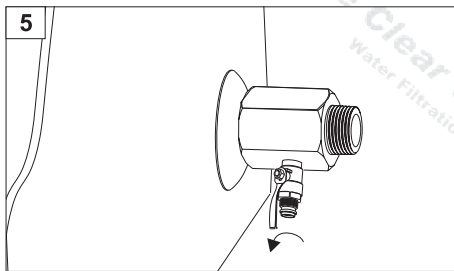


Screw chrome-plated adapter **FT07** onto cold water pipe to allow easy **SEWBV1414** valve installation and its easy opening and closing.

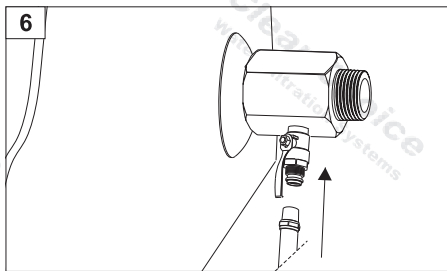
WARNING! Remember to place rubber gaskets in between the connections.



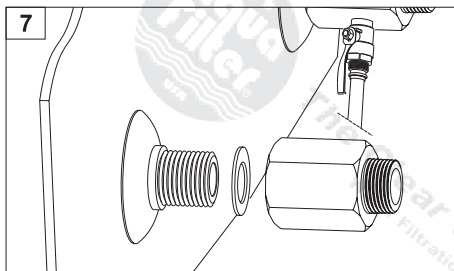
Wind a few layers of Teflon Tape **TAS0003** on shut-off valve adapter **SEWBV1414**.



Screw **SEWBV1414** valve into chrome-plated adapter **FT07**.

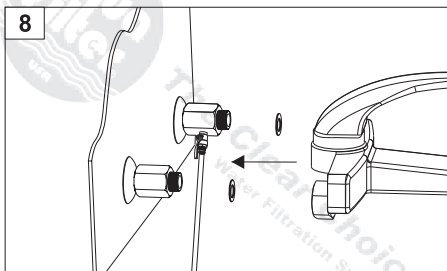


Put the nut on flexible tubing and connect it with **SEWBV1414** valve push the flexible tubing all the way into the valve and tighten the nut.

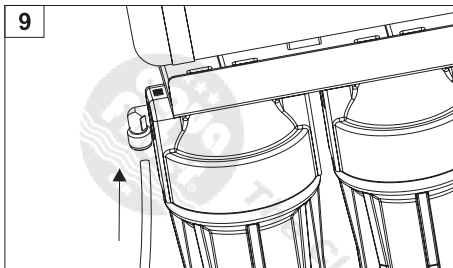


Screw chrome-plated adapter **FT07** on hot water pipe.

WARNING! Remember to place rubber gaskets in between the connections.



Screw sink faucet with chrome-plated adapters.



Connect other end of flexible tubing with IN elbow of the system.

WARNING! To seal threaded connections, always use Teflon tape during installation (does not concern threads for plastic and faucet nuts).

10. Systems Installation - Stage II - FXFCH5 Faucet Installation

- 1) Drill an opening 12mm in kitchen counter or kitchen sink (in case of enamel sinks the manufacturer recommends drilling openings in the structure supporting sink).
- 2) On threaded faucet extension [1], first put on cover plate [2], and then rubber gasket [3].
- 3) Secure the faucet in the drilled sink/counter opening.
- 4) Underneath the sink, put the rubber [5] and metal [6] washers on the faucet extension [4], and tighten with metal nut [7].
- 5) Install flexible tubing supplying water and connecting faucet with the system:
 - a) put the tubing [11] through the metal nut [10] and plastic tightening ring [9],
 - b) put the insert [8] into the tubing,
 - c) push flexible tubing (all the way) into the faucet extension [4] and tighten it (by hand!) with the metal nut [10].

System Aquafilter® Duo, Aquafilter® Classic, FP3-K1

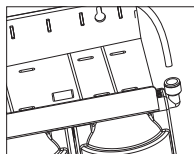
- 6) Push other end of flexible tubing with (OUT) elbow of the system.

System Aquafilter® Clarte, Aquafilter® Perfecto, FP3-HJ-K1

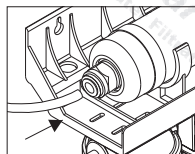
- 7) Push other end of flexible tubing 1.5 cm (0.6 in) deep into the connector of capillary membrane's housing.

System Aquafilter® Lumino

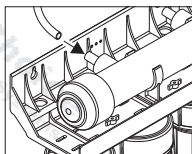
- 8) Push other end of flexing tubing 1.5 cm (0.6 in) deep into the connector of the UV lamp's housing.



Aquafilter® Duo (FP2, FP2-K)
Aquafilter® Classic (FP3, FP3-K)
FP3-K1



Aquafilter® Clarte (FP2-HJ, FP2-HJ-K)
Aquafilter® Perfecto (FP3-HJ, FP3-HJ-K)
FP3-HJ-K1



Aquafilter® Lumino
(FP3-PLUS, FP3-PLUS-K)

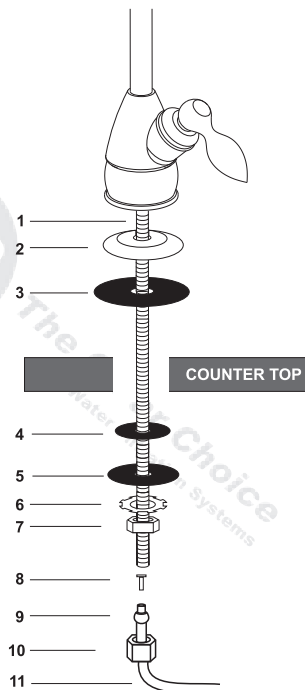


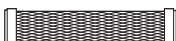


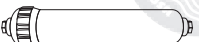

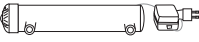


Fig .1 Faucet Installation
Kitchen Counter

WARNING! To seal threaded connections, always use Teflon tape during installation (does not concern threads for plastic and faucet nuts).

11. Filtration Cartridges

Cartridge Type	Description / Filtration Stage	Longevity*	Dimensions
	FCPS20 Sediment, cold water cartridge for 10" housing. Designed for pre-filtration of tap and general-use water prior to the main filtration process. Cartridge stops sand, rust particles, sediments and impurities carried by water , and is made of polypropylene strings wound in layers. Layer density increases towards the core of cartridge assuring excellent filtration results.	3 - 6 months	9 7/8" x 2 1/2" (25 cm x 6,5 cm)
	FCPS5 Sediment, cold water cartridge for 10" housing. Cartridge stops sand, rust particles, sediments and impurities carried by water , and is made of polypropylene strings wound in layers. Layer density increases towards the core of cartridge assuring excellent filtration results.	3 - 6 months	9 7/8" x 2 1/2" (25 cm x 6,5 cm)
	FCCBL Fertilizing cartridge. Contains the sintered carbon with high absorptive abilities of chlorine and organic substances contained in water. The sintered carbon has a large active surface and high efficiency of water filtration.	3 - 6 months	9 7/8" x 2 1/2" (25 cm x 6,5 cm)
	FCCST2 two-stage, speciality type iron removing and water softening filter cartridge lowers concentration of iron, reduces water hardness by exchanging ions of calcium and magnesium into ions of sodium.	3 - 6 months	9 7/8" x 2 1/2" (25 cm x 6,5 cm)
	FCCBKDF three-stage, specialty filter cartridge made of activated carbon, KDF® filtration media and polypropylene fibers. Removes mechanical impurities (sand, rust, etc.), chlorine, organic substances, pesticides, phenol, benzene, hydrogen sulfide. Lowers concentration of heavy metals such as: mercury, lead, cadmium, arsenic, etc.	3 - 6 months	9 7/8" x 2 1/2" (25 cm x 6,5 cm)
	TLCHF-2T hollow fiber removes mechanical impurities such as rust, sand, silt, suspended solids and some bacteria and viruses. Offered in the new, transparent PET housing.	3 - 6 months	10,8" x 2" (27,5 cm x 5 cm)
	TLCHF-FP hollow fiber removes mechanical impurities such as rust, sand, silt, suspended solids and some bacteria and viruses.	6 - 12 months	11" x 2 1/2" (28 cm x 6,5 cm)
	FUV-P5 UV Lamp removes from water bacteria harmful to human body. WARNING! 1) The first 0.5 liter of sterilized water may be warm and is not recommended for consumption. 2) Do not look directly at the UV lamp as it may cause vision problems.	8000 h	11,2" x 1,9" (28,5 cm x 4,8 cm)

* Depends on amounts of filtered water, its quality and level of contamination.

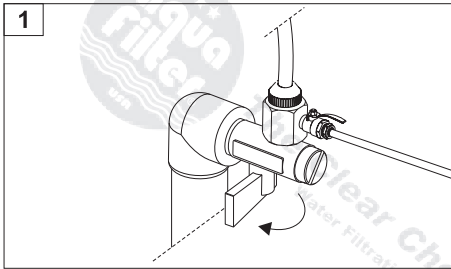
Before the first use of system and after each cartridge replacement, the system should be flushed with water for at least 10 minutes. Next, allow the system to standby for 5-6 hours to activate its filtration ability. After these procedures, filtered and conditioned water may be consumed.

WARNING! All systems are compatible with the set of FP3-CRT-AQM filter cartridges.

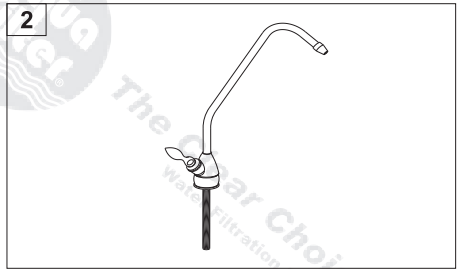
WARNING! Filter cartridges are not subject to complaint at the time of:

- after opening protective packaging,
- after first use of filter cartridges.

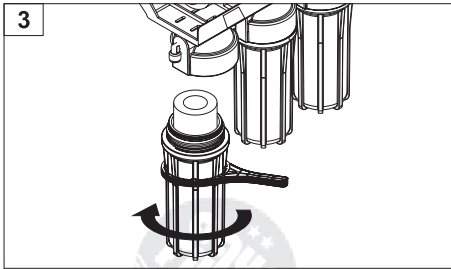
12. Cartridge replacement in the following systems: Aquafilter® Duo (FP2), Aquafilter® Clarte (FP2-HJ), Aquafilter® Classic (FP3), Aquafilter® Perfecto (FP3-HJ), Aquafilter® Lumino (FP3-PLUS)



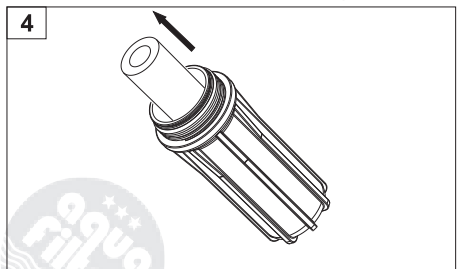
Shut off water supply valve.



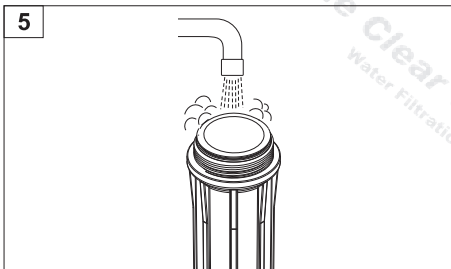
Open filter faucet to release pressure from the system.



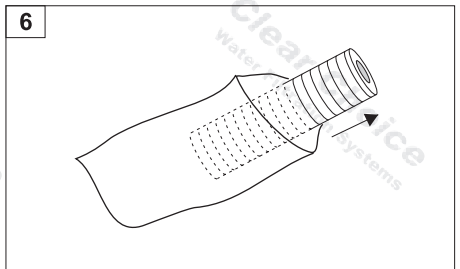
Unscrew housing by hand or by using filter wrench (**FXWR1-BL**). Remember to use wrench in perpendicular position to the axis of the housing.



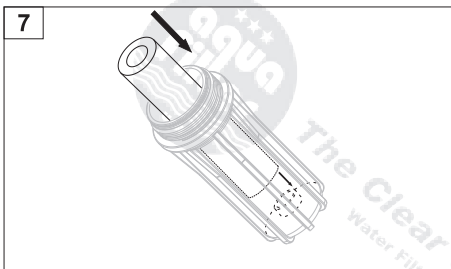
Remove used cartridge.



Before replacing the cartridge ensure that the inside of housing is clean (otherwise, wash it with warm water and dish soap and rinse thoroughly).

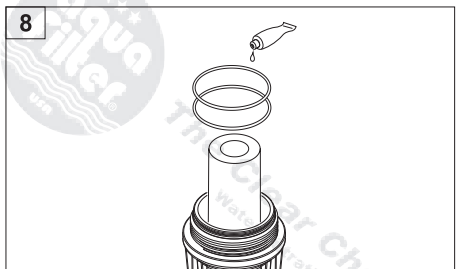


Unpack new cartridge out of plastic foil.

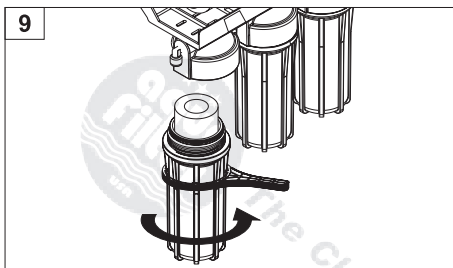


Put the cartridge on the pin into the housing.

WARNING! During cartridge installation, follow proper configuration as shown in Table. 1 and pay close attention to labels with numeric values placed on the installation plates of each system.



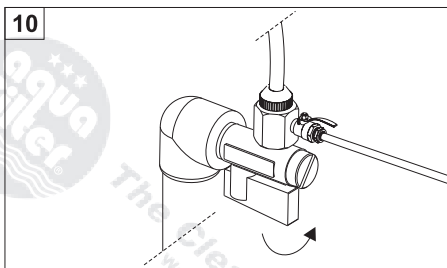
Grease O-rings using technical Vaseline.



Screw filter housing (containing cartridge) counterclockwise onto filter head to the point to light resistance. Use wrench to tighten. (Remember to use wrench perpendicular to the housing to prevent damage).

Warning! If you are experiencing difficulties screwing the housing onto the filter head, check if the O-rings and cartridge are positioned correctly.

To install remaining cartridges, proceed as in steps 3-9.

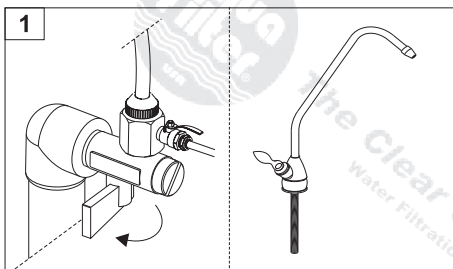


While the faucet is open, slowly open water supply valve. As the water gradually fills the filter housing, the air is released through the open faucet.

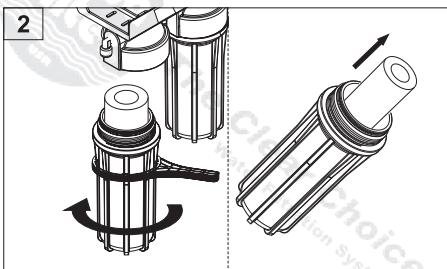
If leakage between the filter head and housing occurs, immediately shut off water supply valve and check whether the O-ring is not damaged and whether it is positioned correctly.

WARNING! After each cartridge replacement, the system must be flushed with water for at least 10 minutes. Next, allow the system to standby for 5 - 6 hours to activate its filtration ability. After these procedures, filtered and conditioned water may be consumed.

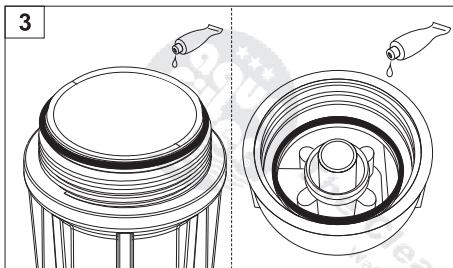
12.1. Cartridge replacement in the following systems: Aquafilter® Duo (FP2-K), Aquafilter® Clarte (FP2-HJ-K), Aquafilter® Classic (FP3-K), FP3-K1, Aquafilter® Perfecto (FP3-HJ-K), FP3-HJ-K1, Aquafilter® Lumino (FP3-PLUS-K)



Close your water supply valve. Open faucet valve to release pressure build-up in the system.

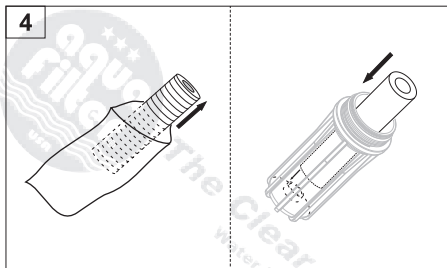


Unscrew filter housing sump from filter cap by hand or using wrench (**FXWR1-BL**). (Remember to use wrench perpendicular to the filter housing). Remove old filter cartridge.

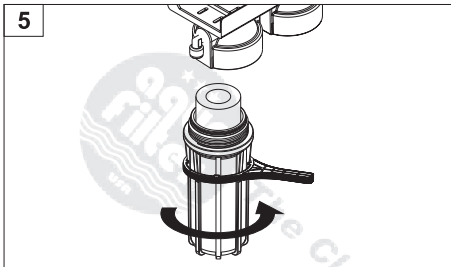


Lubricate filter housing o-rings, next turn the system 180 degree and lubricate filter cap o-rings.

ATTENTION! Water may leak out of filter housing 2 and 3. ATTENTION! Wash your hands thoroughly after completing the installation.

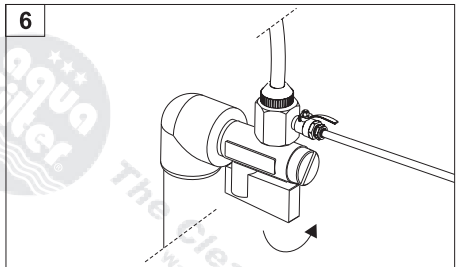


Remove filter cartridge out of plastic foil and place it inside filter housing sump (pressing against the top of plastic tang to ensure its central location).



Screw filter housing sump with filter cap using wrench (remember to use the wrench perpendicularly to the filter housing). Use the same procedures for the installation of remaining filter cartridges.

ATTENTION! If you cannot tightly screw in the filter cap with filter housing sump check if all o-rings and the cartridge are situated correctly.

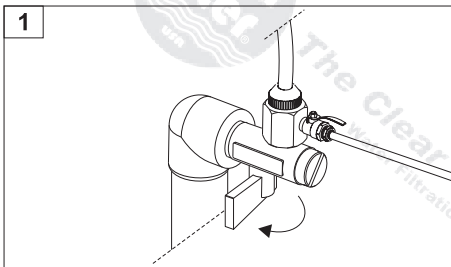


Slightly open filter faucet and next gradually open your water supply valve to fill filter housings with fresh water and release air from the system thru the faucet.

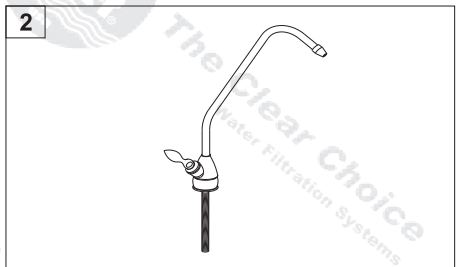
ATTENTION! After each filter cartridge replacement procedure, all filters must be flushed out with running water for at least 5 minutes. Next do not use the system for 5 to 6 hours – during this time system seals and activates its components. Filtered water can be safely consumed after this process is completed.

WARNING! After each cartridge replacement, the system must be flushed with water for at least 10 minutes. Next, allow the system to standby for 5 - 6 hours to activate its filtration ability. After these procedures, filtered and conditioned water may be consumed.

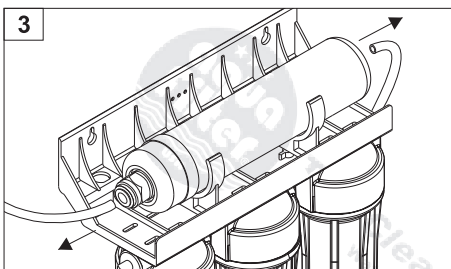
13. Hollow fiber membrane replacement: for systems equipped with hollow fiber membrane 2 1/2" (white housing)



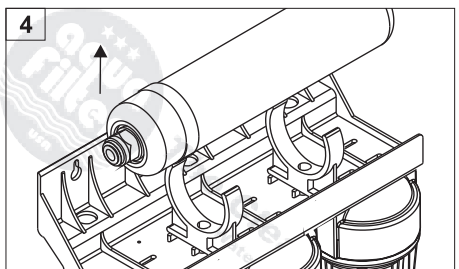
Shut off water supply valve.



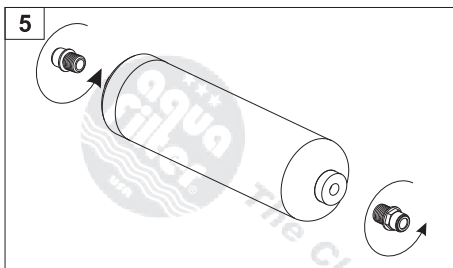
Open filter faucet to release pressure from the system.



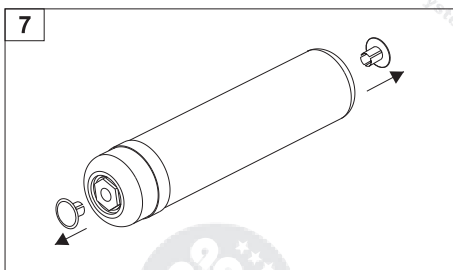
Push in the flange and pull out flexible tubing.



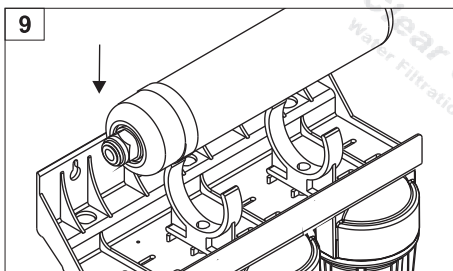
Remove membrane housing from mounting clips.



Unscrew inlet and outlet connectors from the membrane.

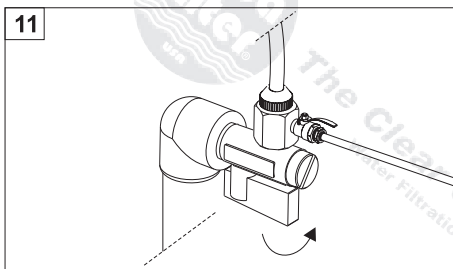


Unpack new membrane out of plastic foil and remove end plugs.

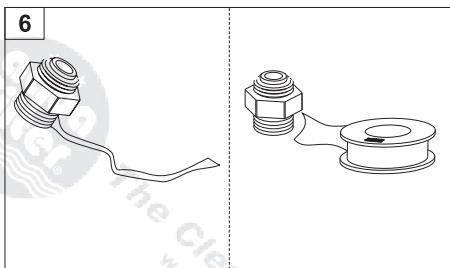


Push in membrane housing into mounting clips.

WARNING! While installing hollow fiber, remember to keep the proper direction of water flow (indicated by an arrow on membrane sticker).

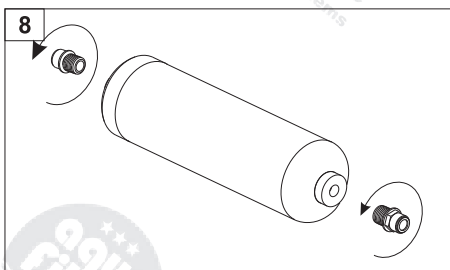


Open water supply valve.



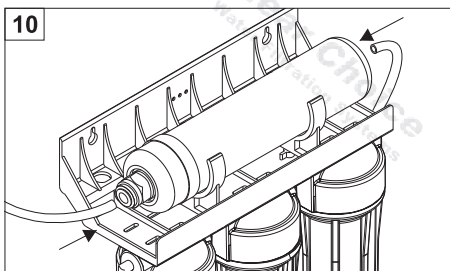
Remove all layers of old Teflon tape and apply multiple layers of new one.

NOTE! Ensure that Teflon tape is wound in the opposite direction to the direction connector will be installed.



Connect inlet and outlet connectors to the housing of new hollow fiber membrane.

NOTE! Do NOT remove elbow connector after the installation has been started. Stopping and removing (unscrewing) the element may result in inadequate connection and water leak.

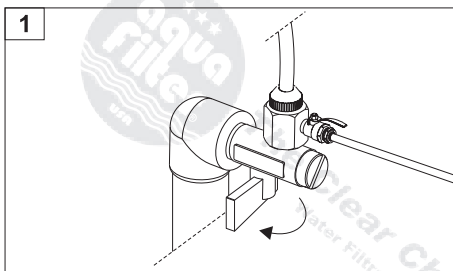


Insert flexible tubing (all the way) into both ends of membrane.

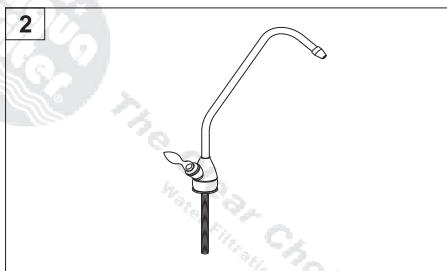
NOTE! Check if inlet/outlet tubings are correctly and firmly connected. Make sure the tubing is not bent.

WARNING!!! Hollow fiber membrane is soaked with a special conserving solution. To activate the proper filtration environment, it is necessary to rinse the system before the first use as well as after each and every cartridge and hollow fiber membrane replacement. The system should be rinsed for at least 10 minutes.

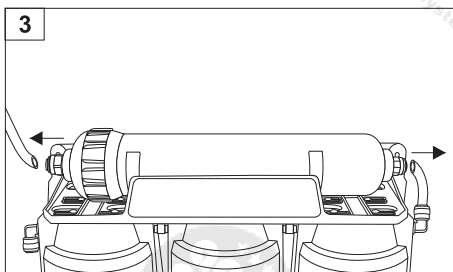
13.1. Hollow fiber membranes replacement : for systems equipped with 2" hollow fiber membrane (clear PET housing)



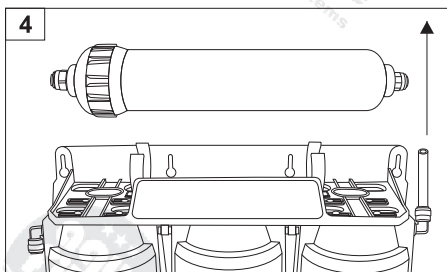
Shut off water supply valve.



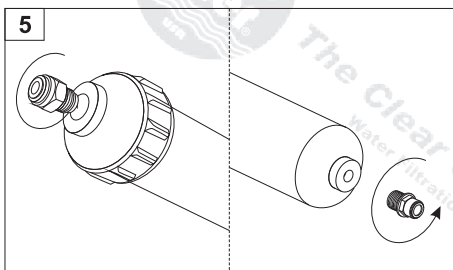
Open filter faucet to release pressure from the system.



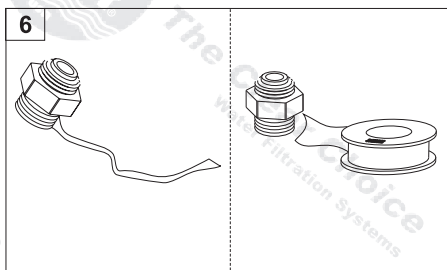
Push in the flange and pull out flexible tubing.



Remove membrane housing from mounting clips.

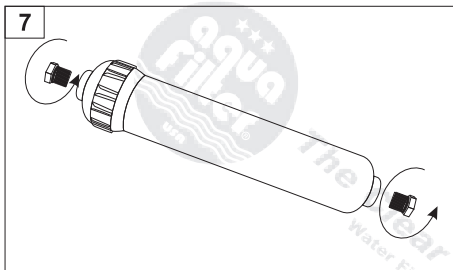


Unscrew inlet and outlet connectors from the membrane.

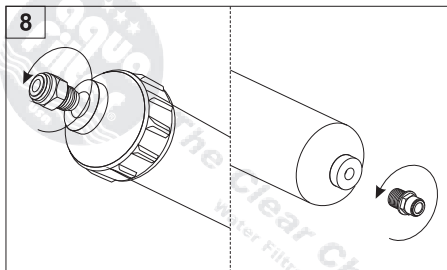


Remove all layers of old Teflon tape and apply multiple layers of new one.

NOTE! Ensure that Teflon tape is wound in the opposite direction to the direction connector will be installed.

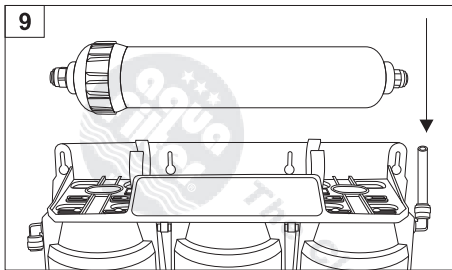


Unpack new membranes element and unscrew its inlet and outlet end caps.



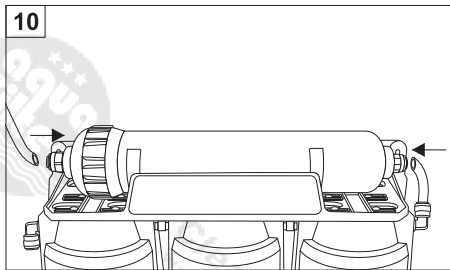
Connect inlet and outlet connectors to the housing of new hollow fiber membrane.

NOTE! Do NOT remove elbow connector after the installation has been started. Stopping and removing (unscrewing) the element may result in inadequate connection and water leak.



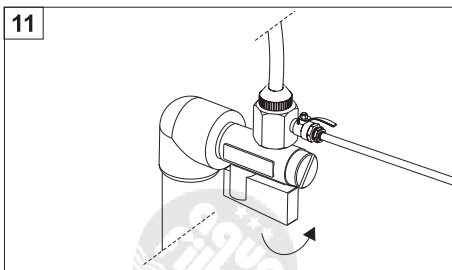
Push in membrane housing into mounting clips.

WARNING! While installing hollow fiber membrane, remember to keep the proper direction of water flow (indicated by an arrow on membrane sticker).



Insert flexible tubing (all the way) into both ends of membrane.

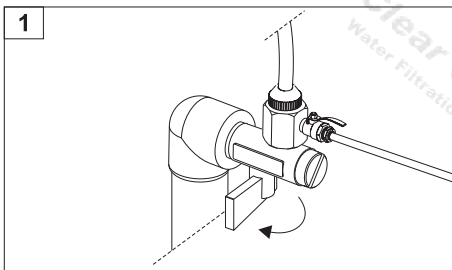
NOTE! Check if inlet/outlet tubings are correctly and firmly connected. Make sure the tubing is not bent.



Open water supply valve.

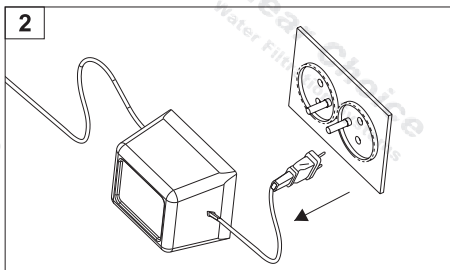
WARNING!!! Hollow fiber membrane is soaked with a special conserving solution. To activate the proper filtration environment, it is necessary to rinse the system before the first use as well as after each and every cartridge and hollow fiber membrane replacement. The system should be rinsed for at least 10 minutes.

14. Replacing Fluorescent Tube in UV Lamp

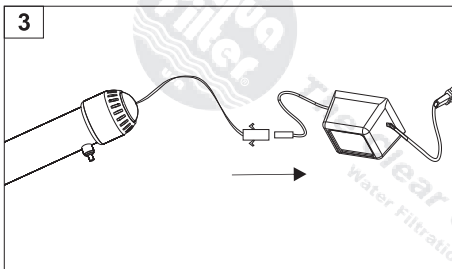


Shut off water supply valve.

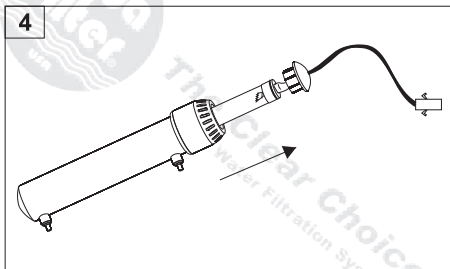
WARNING! Before replacing the lamp, always disconnect power supply.



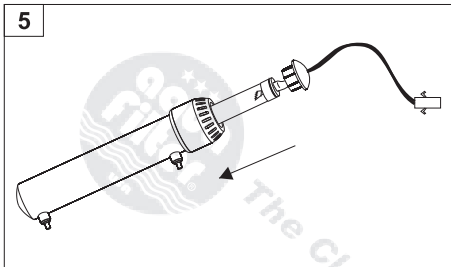
Disconnect adapter from the power supply.



Disconnect UV lamp with power supply adapter.

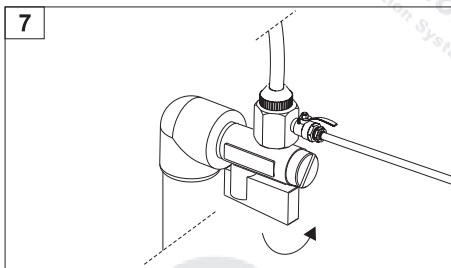


Remove the fluorescent lamp from casing by pulling on the cord.



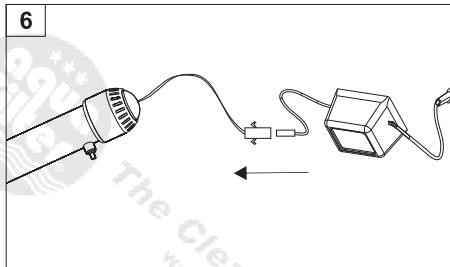
Slide in new fluorescent lamp into the casing.

WARNING! Do not touch the glass part of the fluorescent lamp as it will shorten its life span.

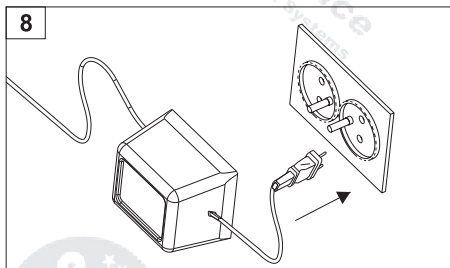


Open water supply valve

WARNING! The first 0.5 liter of sterilized water may also be warm and is not recommended for consumption. Do not look directly into the light of UV lamp as it may cause vision problems.



Connect the cord with the adapter.



Connect adapter to the power supply.