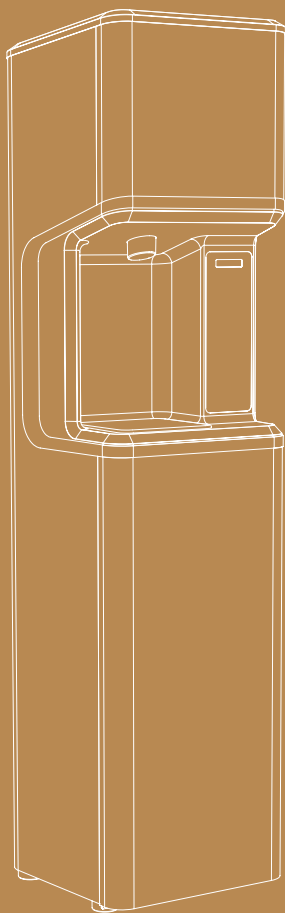


COMPLETE USER MANUAL



BLUEWATER FLOW

REFILL STATION





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INTRODUCTION

About this manual

This manual contains complete instructions for the Bluewater Flow. It provides the necessary instructions to safely install, operate, maintain, and troubleshoot this device. Read this manual before installation or operation.

The latest version of the user manual can always be found at www.bluewatergroup.com

Original language

The original language of this instruction is English.

Printing options

This manual may be printed double sided on US Letter, A4 or A5 booklet.

Limited warranty

Refer to www.bluewatergroup.com/warranty for more information on Limited warranty.

Recycle / Disposal

Contact your Bluewater dealer before disposing of the refill station, as it can be refurbished and has many recyclable components. If disposing, disconnect the plug from the electrical supply and cut the electrical cord at the point where it enters the appliance. Make sure that children do not play with the leftover electrical cord. For information on filter recycling or disposal, contact your Bluewater dealer.



Appliances bearing this symbol must be deposited at the designated local reception point for the disposal of electrical and electronic equipment. This product may not be disposed of using the normal household refuse collection processes.

Safety instructions

Before you install or operate the device, you must read the safety information. Obey the instructions in this manual to prevent injuries, or damage to the equipment. This manual contains CAUTIONS and NOTES that are applicable for the safe operation of the device.

 A CAUTION symbol identifies conditions that can cause injury, or damage to the equipment.
DO NOT USE unless all cautionary conditions listed below have been understood and met.

 A NOTE symbol identifies important information for trouble free and optimal of the Refill Station.

Safety information

 Installation of the refill station must comply with all applicable local regulations and plumbing codes. Contact your Bluewater dealer if you have questions.

 The Refill Station must be electrically grounded. Do not under any circumstances, cut, remove or bypass the grounding plug.

 The Refill Station must be plugged in directly to a wall outlet. Do not plug the unit into an electrical outlet controlled by a wall switch. Do not use an extension cord.

 This Refill Station is designed to operate on standard residential voltage (220-240V ~ 50Hz or 60Hz). Use a circuit equipped with a 15 amp fuse. A dedicated circuit is not required.

 Power cords should not pass through walls. Ensure that the power cable and the power plug are not at risk of getting damaged. To avoid hazard, a damaged power cable must always be replaced by the manufacturer, service agent or similarly qualified person. Do not alter the power plug in any way. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet.

 If the appliance is damaged or malfunctions, turn it off, disconnect it from the power supply and contact your dealer.

 Discard the packing material. It can cause injury to children if they play with it. Destroy or recycle the carton, plastic bags and any exterior wrapping material immediately.

This appliance can be used by children who are more than 8 years old. It can also be used by persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction about the use of the appliance in a safe way and understand the hazards involved. Cleaning and user maintenance shall not be made by children without supervision.

 Children shall not play with the appliance. Do not let children abuse, sit, stand or play on or around the Refill Station. A wall mounting bracket kit is included to reduce the tipping hazard. Do not place any objects on top of or directly against the appliance. Do not sit on, stand, climb onto or hang from the appliance. Do not submerge the refill station in water. Do not cover the air intakes.

 We recommend only approved technicians, distributors or Bluewater service personnel perform installations, servicing and repairs on the Refill station. If not performed adequately, this can make it operate incorrectly, and lead to injury and damage not covered by warranty.

 Do not attempt to disconnect the external water plumbing or do not do work on them yourself. Speak to your Bluewater dealer for aid if you must disconnect water tubes. Make sure that hoses, tubing, and electrical cords can move freely when the Refill station is installed.

 Only use original replacement parts from Bluewater. For the spare parts and purchase information, contact your Bluewater dealer.

 HOT WATER- The hot water feature dispenses water at approximately 85°C, which could cause burns. In addition, the container used to dispense into may be hot after the hot water is dispensed. The Refill Station has been designed with a child safety feature, whereby the touch panel requires two points of activation at the same time.

 Do not store or use gasoline, or other flammable liquids in the vicinity of the Refill Station. Do not store the Refill Station outdoors. Allow the following clearances around your Refill Station for proper air flow- 5cm on both sides and 13cm in the back.

 The product is heavy, at least two people are recommended when lifting or moving the product. Install the Refill station in a vertical position on a horizontal surface.

PRODUCT OVERVIEW

Models

Model	VAC	Hz
FW3000H50	220-240	50
FW3000H60	220-240	60

Dispense Control

Center reusable container directly below the nozzle. Follow instructions below.



Figure 1. Front of Refill station

Control panel

Pos	Button	Description
1	HOLD TO FILL	 Dispenses water until released. Lightly touch (don't press) to activate.
2	PRESET 1	 Dispense preset amounts of water (500ml, 750ml, 1L). Lightly touch (don't press) once and let go. Selected amount will dispense and stop automatically.
3	PRESET 2	
4	PRESET 3	
5	STOP	 Lightly touch (don't press) once to stop dispensing.
6	HOT WATER 1 (LEFT)	 Optional. See "HOT WATER ACTIVATION" for activation and details on controls.
7	HOT WATER 2 (RIGHT)	

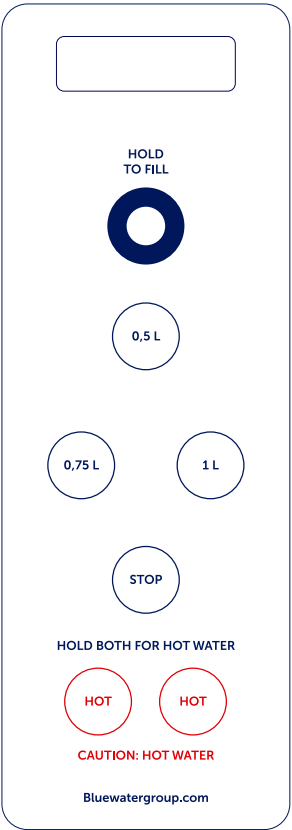


Figure 2. Control Panel

Turn off the lights

Sequence	Button & Description
The Refill Station is factory set to have backlit front panels. The lights may be turned off by following these steps. Failure to follow carefully could render other aspects of the Refill Station inoperable.	
1	Hold HOT WATER 2 (right) until * is displayed.
2	Hold HOT WATER 1 (left) until ** is displayed.
3	Touch HOT WATER 2 (right) three times. Admin menu is now accessed.
4	Touch PRESET 3 (1L) repeatedly until 16a) Lamp Settings is shown.
5	Touch PRESET 1 (500ml) to select
6	Touch PRESET 3 (1L) repeatedly until 16c) Off is shown.
7	Touch PRESET 1 (500ml) to lock - stops flashing. The lights should all turn off.
8	Touch STOP twice to back out of the menu.

Display screen

Message	Description
XXXX Bottles Saved	Track the single-use plastic bottles you are saving from oceans, rivers, lakes and landfills!
Filter Change Needed In 2-3 weeks.	When this message appears, your filters need to be changed. Contact your Bluewater dealer to purchase new. The filters will continue to purify for up to 3 weeks following the initial display of this message. You may use your Refill Station, with the same level of purification, during this time. Both the frequency of use and the municipal water quality will affect the time between required filters changes. Filters must be changed after 12 months even if this message does not appear. Your Bluewater dealer will monitor this schedule for you.
Purifying More Flowwater	This message appears when water inside is purifying and can remain for up to 45 min. Water will not dispense during this time. If the message remains for more than 1 hour, first check that the water supply valves (images below) are NOT closed. If closed, open them and the Normal Function message will resume in ~ 45 min. If not closed, contact your Bluewater dealer.

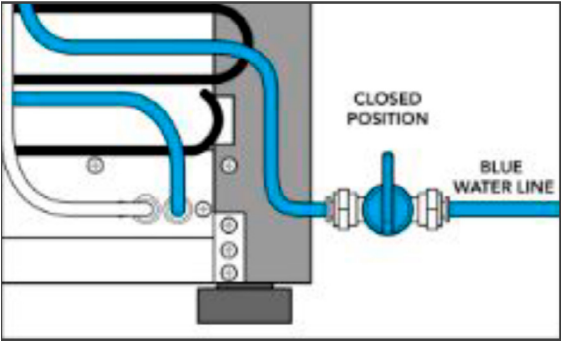


Figure 3. Behind the Refill Sation (Water Inlet to the Station)
Directly behind the Refill Station, this blue handled valve (shown closed) should be open. Turn the handle parallel to the blue water line to open.

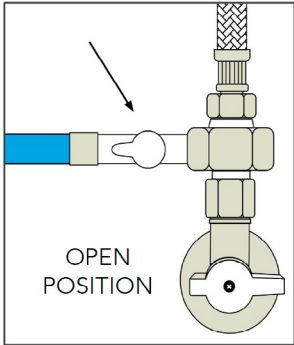


Figure 4. Connection to water source
At the water source, where blue water line connects to your plumbing, the valve should be open.

INSTALLATION

 We recommend only approved technicians, distributors, or Bluewater service personnel perform the installation of the water purifier. Contact your Bluewater dealer if you have questions.

Pos	Parts Included
1	BLUE ¼" TUBING (WATER)
2	WHITE ¼" TUBING (DRAIN)
3	STEM ELBOWS ¼" - QTY 2
4	8" ANGLE STOP ADAPTER
5	DRAIN SADDLE
6	WALL MOUNT KIT
7	INLINE SCREEN
8	POWER CORD
9	USER MANUAL
10	¼" SHUT OFF VALVE
11	CASING 8'

Pos	TOOLS NEEDED
1	TUBE CUTTERS
2	BUCKET
3	TOWELS/RAGS
4	PTFE TAPE
5	PHILIPS SCREWDRIVER
6	DRILL W/ ¼" & ½" BITS
7	CRESCENT WRENCH
8	DRYWALL SCREWS

Moving and Unpacking

- Remove box/plastic bag and inspect for damage and that no accessories are missing. Contact your Bluewater dealer about missing parts, damage, and other problems. Contact the shipping company immediately if Refill Station was damaged during transport.
- The Refill Station should be moved with a hand truck picking it up from its side at 45°. Do not pick it up from the back or front. The Refill Station should never be laid flat.
- There are 4 manual leveling feet to make adjustments for uneven floors

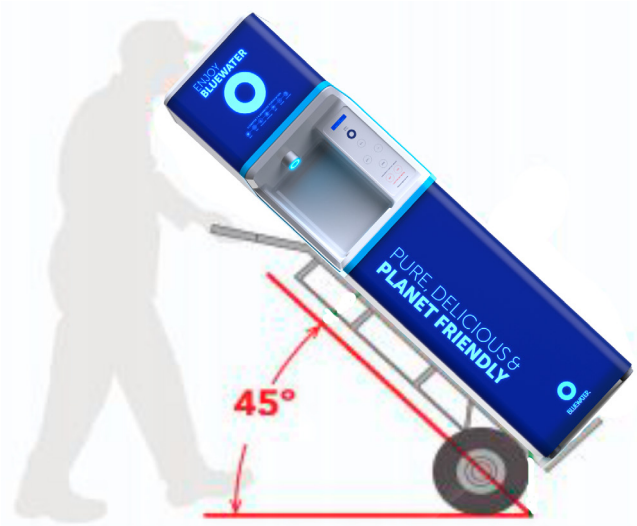


Figure 6. Moving the Refill Station

Install inlet water connection

- Verify you are connecting to the cold water supply. Let cold water run to make sure no visible sediment/discoloration is evident. Do not connect if the water is not clear.

Pos	Description
1	Close Shut Off Valve (Angle Stop) for cold water under the sink. Place towel under cold water pipe.
2	Loosen hose between the Shut Off Valve and the sink.
3	Attach Angle Stop Adapter. If a barbed inlet, put Crimp Nut onto 1/4" blue water line then push the line far into barbed inlet. Push onto Angle Stop Adapter and tighten down as needed.
4	Attach blue 1/4" tubing into Angle Stop Adapter. Blue is for inlet water. White is for drain. Make sure to position the opening of the Angle Stop Adapter before tightening so that the blue tubing will not kink as it is routed away from the sink.
5	Close Angle Stop Adapter by turning handle. Open Shut Off Valve for cold water.
6	Check for leaks. If leak occurs, wrap the top end of the Angle Stop Adapter with PTFE Tape.

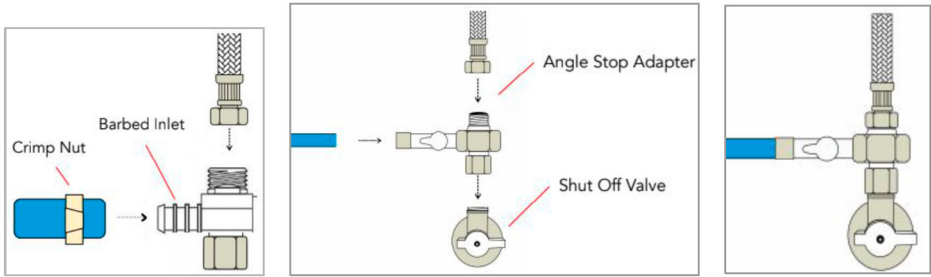


Figure 7. Install inlet water connection

Install drain water connection

Pos	Description
1	Prepare the Drain Saddle (provided) by adding foam square to the back side of the hole. Proper hole alignment is critical.
2	Drain Saddle works on 1-1/2" max pipes only. Position the Drain Saddle horizontally on the drain and use a drill bit or nail to mark the center of the hole in the P-trap facing direction of drain line. Be sure to position hole on side of pipe where it will not kink the tubing routed in from the Refill Station.
3	Drill a 1/8" pilot hole if pipes are metal, drilling through one side of the pipe only.
4	Drill final hole size of 1/4". Drill only through one side of the pipe.
5	Remove 1/4" drill bit from drill and insert into the hole as a guide. Line up the drain saddle over the bit to ensure proper alignment between the holes. ss
6	Attach drain saddle with screws ensuring not to over-tighten.

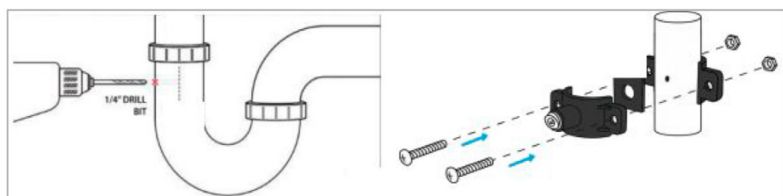


Figure 8. Install drain water connection

Pos	Description
7	Insert 1/4" white drain line firmly into drain saddle port. White line is for drain.
8	Route the drain and water lines to the Refill Station location. Any holes drilled in cabinets/walls must be inconspicuous (low to the floor and back towards the wall). Leave an extra loop of tubing behind the Refill Station so the the unit can be moved away from the wall for service without pulling out the lines.

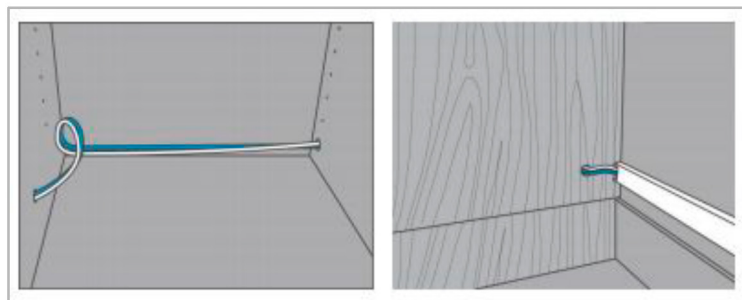


Figure 9. Routing of drain and water lines

Pos	Description
9	At the rear of the machine, remove the plugs from the water/drain ports by pushing the inner ring on the ports and pulling out the plugs at the same time.
10	Insert the white drain line into the white ring port (left) by pressing firmly.
11	Add the blue shut off valve on the blue water line and insert into the blue ring port by pressing firmly. Close valve.
12	Ensure the inline screen (orange in diagram) is in place and arrow is facing as shown.

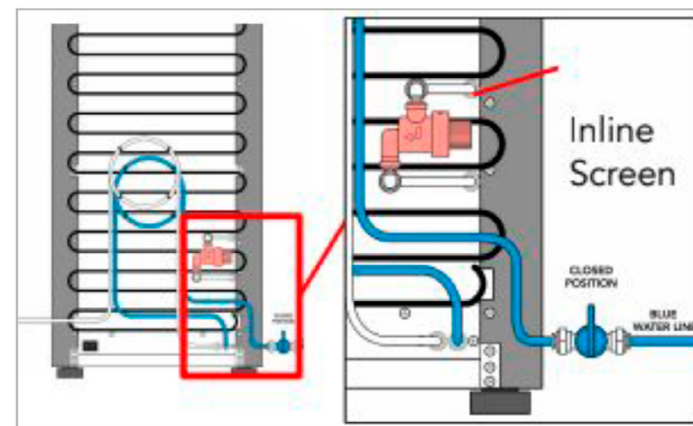


Figure 10. Inline Screen

Wall Mounting (Optional)

Hardware has been provided to attach your Refill Station to the wall to provide added tipping protection. Follow diagrams here to use the brackets and hardware properly. Children should not be allowed to climb onto the Refill Station, even if wall mounting has been done.

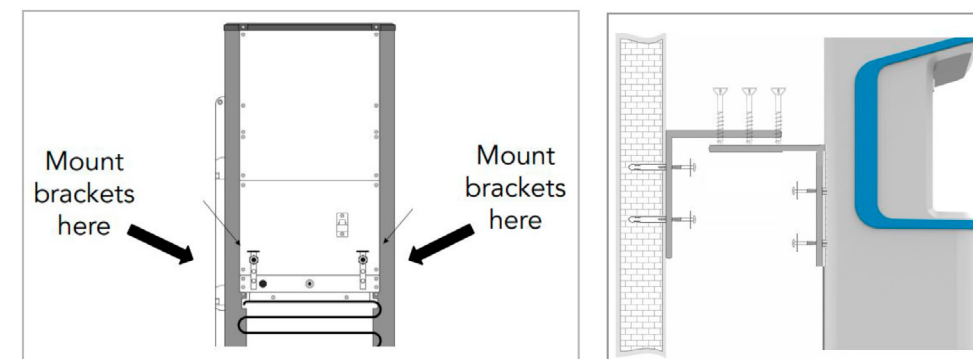


Figure 11. Wall mounting

Hot Water Activation (Optional)



Your Refill Station has the ability to dispense hot water (85°C). This feature is not activated at the factory. If you choose to activate this feature, follow the instructions below. If you do not activate the hot water, the Hot Water Dispense buttons will not dispense any water.



Do not start these activation steps until after your Refill Station is completely filled with water. This will take approximately 60 minutes after you connect the water line and open the valves. The heating element could be damaged if activated sooner.

Pos	Activate hot water
1	Lightly hold HOT WATER 2 (right) until Select* is displayed.
2	Lightly hold down HOT WATER (left) until ** is displayed.
3	Lightly touch HOT WATER 2 (right) three times until FloWater Ver.1.09D ##### is displayed.
4	Lightly hold PRESET 2 (750ml) until 15A Hot Water Temperature is displayed.
5	Lightly hold PRESET 1 (500ml) until the flashing Low is displayed
6	Lightly touch PRESET 3 (1L) 3 times until the display flashes High.
7	Lightly hold PRESET 1 (500ml) until High stops flashing. Exit Admin menu by touching STOP 2 times to return to the bottle count display.



The hot water will need about 5 minutes to fully heat up after initial activation. After that, it will dispense hot water immediately at temperature (85°C). To dispense, touch both HOT WATER 1 & HOT WATER 2 buttons lightly (don't press) at the same time. Release to stop.



CAUTION: The hot water feature dispenses hot water immediately at approximately (85°C) which could cause burns. Households with small children or pets, should consider not activating this feature or to not dispense hot water while others are in the vicinity of the Refill Station.

MAINTENANCE



Use only general purpose, non-abrasive household cleaners for wiping down surfaces. Never clean with gasoline, chemical solvents or corrosive materials as these agents may damage the device.



Do not remove any panels to clean the interior of the Refill Station. Only qualified technicians should open the Refill Station. Make sure the device is completely dry before connecting it to power. Regularly clean and check the power cable, power plug and hoses for wear or damages.



When wiping down the Touch Panel, note that accidental activation of the dispense might occur.



Hard water deposits in the tray may require soaking and a soft brush to remove. Do not use a hard wire brush.



Do not pour anything other than plain water into the drain basin. Any other liquid or any solid will build up over time, causing clogs and malfunctions, which will require maintenance.



The Refill Station is designed for regular use. If the Refill Station will sit idle for an extended period of time (>30 days), then please contact your Bluewater dealer for instructions on draining your unit.



Filters must be changed a minimum of every 12 months. Your Bluewater dealer will monitor this interval for you and contact you when 12 months has passed. Special circumstances which might require more frequent filter changes. To order your replacement filters, contact your Bluewater dealer.

The Refill Station should always be flushed after the following procedures:

Excessive impurities in your tap water due to poor water quality in your municipality or older pipes. This will result in a clogged filter, which will trigger the PMF message explained on "Display screen". See the "Troubleshooting" if this occurs.



High usage. The filter system has a water flow capacity of up to 45,000 liters at the source. If your usage exceeds this amount, a Filter Notification message will appear (see "Display Screen").

If your Refill Station has not been used for a period of time of about 30 days (during a move or while on an extended vacation) a partial filter change may be required. Contact your Bluewater dealer to discuss options in this case.

TECHNICAL INFORMATION

Technical data

Model	Size WxHxD	Weight	Power	Power supply earthed/grounded
FW3000H50	457x1727x406mm	57 kg without water	530 W	220-240V, 50 Hz
FW3000H60	457x1727x406mm	57 kg without water	530 W	220-240V, 60 Hz

Model	Inlet Water Pressure [bar psi]	Hot Water Dispense Temp	Cold Water Dispense Temp	Designed to operate between
FW3000H50 FW3000H60	3.8 to 6.2 (55 to 90)	85 °C	2 °C	5 °C to 40 °C
	Utilizes HFC-134a Refrigerant			
	Connect to municipal, potable, cold water lines only.			
	Refill Stations utilizing Advanced Osmosis require a drain. Advanced Osmosis product water to bypass water is up to a 1:2 ratio at 70 psi. Lower water pressure results in lower Advanced Osmosis efficiency.			

TROUBLESHOOTING

How to solve simple problems



If problems persist, contact your Bluewater dealer

Problem	Possible Cause	What to Do
Water not dispensing, display message shows "Purifying more FloWater"	Internal purified water tanks are low	System is functioning properly
	Water source is shut off	Confirm all water valves are open
	Filter(s) may be clogged	If either above does not correct the issue, contact your Bluewater dealer
Water pooling in the tray	Foreign debris poured down the drain has clogged the drain system: Upper mesh screen is clogged	Lift metal grate and remove circular mesh screen. Rinse with water and replace, by firmly pressing down
	Lower rear inline filter is clogged.	Find the Inline Filter located at the rear base of the Refill Station. Rinse and replace (See diagram below for details)
Water dispensing after releasing the HOLD TO FILL Button	Accidental contact may have been made with Preset buttons causing Refill Station to dispense preset amount	Ensure, when touching the HOLD TO FILL button, that other fingers are not touching the Preset buttons by accident
Water on floor	Water splashed out of container or dispense area	Wipe floor dry and check if water returns
	External fittings may not be secured	Push tubing firmly into fittings to ensure they are seated.

The inline Filter is located at the bottom of the rear of the Refill Station. When removing the filter, water will come out of the tubing. Have a towel or pitcher ready to catch the water. To remove the Inline Filter from the tubing, push in the fittings to release the hose. Pay attention to the arrows on the Inline Filter. Make sure the arrow shown below is pointing downwards. Remove the pin on the grey filter housing by pushing the two knobs together and upwards. Then, twist the cap to open. Remove the inside mesh screen taking note (Shown below) the direction the screen fits inside the grey housing and the direction of the arrow imprinted on the inline filter.

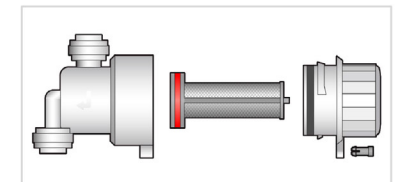
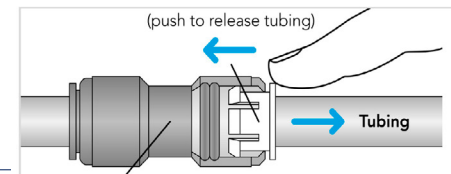


Figure 12. Inline Filter Connection

ENG: The installation must comply with applicable local plumbing codes and regulations.

Bluewater is a world leading water purification company. Headquartered in Stockholm, Sweden, the company helps people and businesses globally enjoy the health and wellbeing benefits of cleaner, healthier tap water.

Bluewater innovates, makes, and sells compact water purifiers that harness the company's patented reverse osmosis technology to remove virtually all pollutants from tap water, including lead, bacteria, pesticides, medical residues, chlorine, and limescale.

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