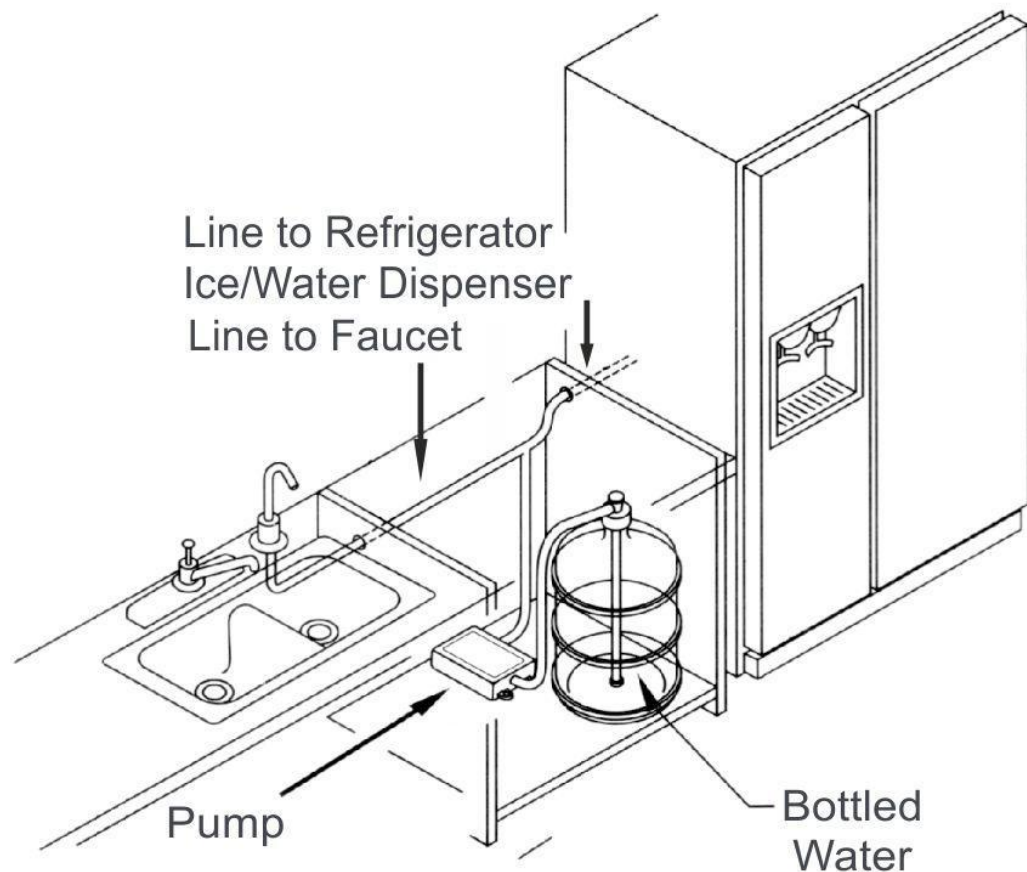


CE
STANDARD

FILOJET®

BOTTLED WATER P U M P S Y S T E M

**INSTALLATION
& MAINTENANCE
INSTRUCTIONS**



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HOW THE SYSTEM WORKS

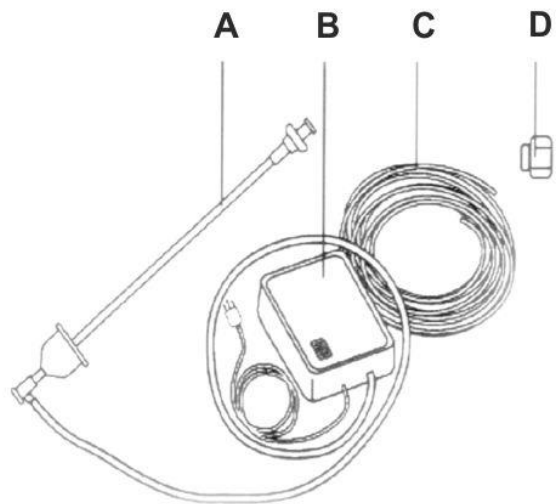
The FILOJET Bottled Water Pump System was designed to pump water from a commercially available 19 liter bottle. The system will deliver the water under pressure to an individual drinking water faucet, the water inlet of a refrigerator for the icemaker and chilled drinking water tap, and to certain commercial coffee / tea brewers.

When the suction wand is inserted into the 19 liter bottle, it will activate the float switch on the end of the wand and turn on the pump. This same float switch shuts off the system when the bottle is empty. The wand has a built in back-flow preventor valve that prevents water in the system from flowing back into the bottle, or spilling while changing bottles.

The heart of the system is the pump module that automatically adjusts the flow and pressure to fill an appliance or faucet, and stops automatically

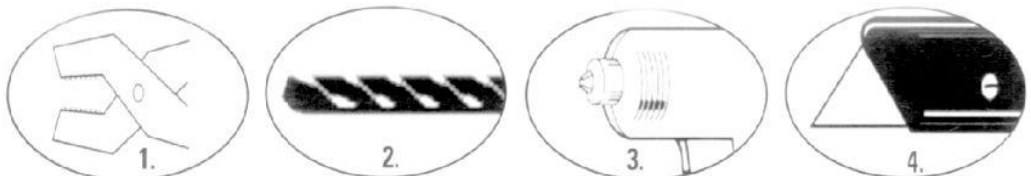
INVENTORY OF SYSTEM COMPONENTS

- A.** Suction Wand and Hose Assembly
- B.** Pump Module with On/Off Rocker Switch 1.5 meter Cord
- C.** 3 meter of 1/4 inch Discharge Tube
- D.** Optional Refrigerator Fitting



TOOLS REQUIRED TO INSTALL SYSTEM

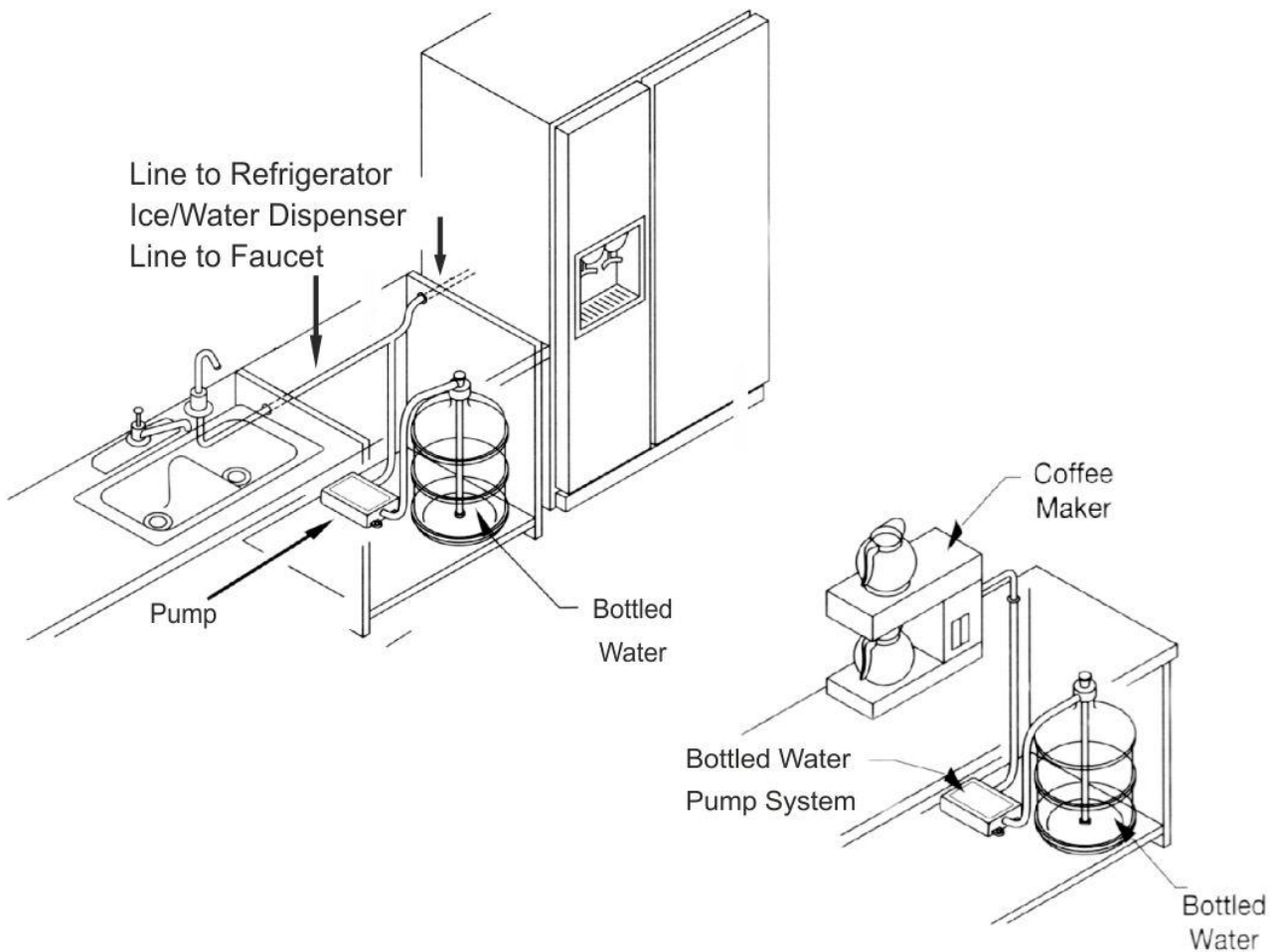
- 1. Medium sized wrench
- 2. 7/16" or 1/2" Drill bit
- 3. Power Drill
- 4. Sharp Knife or Box Knife



MOUNTING OF SYSTEM

Select a cabinet large enough to accommodate the 19 liter bottle and suction wand assembly. Place the pump module on the floor of the cabinet with on/off switch and suction tube facing out toward the cabinet doors. Position as close as possible to a grounded electrical outlet and place the 19 liter water bottle close to the pump module without kinking the suction hose.

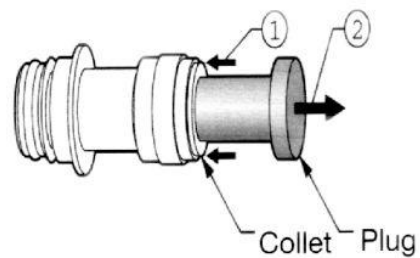
The Bottled Water Pump System may also be placed in a pantry, closet, cellar or other location where a grounded electrical outlet is available.



REMOVAL OF PLUG

To remove plug (red or white in color):

1. Push in collet squarely against face of fitting
2. With the collet held in this position, the plug can be removed



PLUMBING

There is 3 meter of 1/4" O.D. Polyethylene tubing supplied with the FİLOJET Bottled Water Pump System. Carefully measure the distance between the pump module outlet and the appliance water inlet or optional faucet, and cut the tubing clean and square to prevent fitting leaks. If the refrigerator and optional faucet are being connected, use the 1/4" tube "T" fitting and place it in an accessible location. Remove the plug from the pump module outlet port by pushing the collet against the body while sliding the plug out of the fitting. See removal of plugs (page 2) push the cleanly cut tubing end into the pump module outlet port, past the o-ring to tube stop. Route tubing to the refrigerator water valve and connect it to the water inlet valve in the back of the refrigerator by using the tube connector fitting. First slip nut over the tube then place the ferrule over the tube, then install onto the refrigerator water valve fitting and tighten.

For installation and use with commercial coffee and tea brewing equipment: Many commercial coffee and tea brewing machines can be connected to a water supply line. Ensure that you have a 1/4" I.D. connection fitting at the water inlet that can accept the supplied 1/4" O.D. tubing. These brewing machines have a factory installed device that restricts incoming water to a safe pressure that won't damage the brewing machine. This device is usually referred to as an inlet pressure regulator or flow restrictor, and limits incoming water pressure to approx. 90-100 psi. If you intend to use the FİLOJET pump system with one of these brewing machines, you should remove the brewing machine's inlet restrictor device. Consult the brewing machine manufacturer for details. Failure to remove the brewing machine's restrictor may cause the FİLOJET pump to cycle itself off and on repeatedly, leading to premature motor failure of the FİLOJET Pump unit. This type of failure is not covered under warranty. Use of filter devices with your commercial brewer is unnecessary; see below

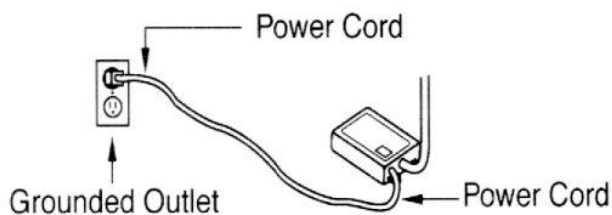
For installation on refrigerators with ice making and/or water dispensing functions: Do not use any external filtration devices. These will cause the pump to over-cycle, possibly causing premature pump failure, not covered under warranty. If your refrigerator has factory installed internal filtration that must remain in place as part of the water line, this too may cause over-cycling resulting in pump failure. Contact the refrigerator maker and inquire about obtaining an empty or dummy filter housing for use instead of the standard filter model. If none is available, the use of a small accumulator tank will be necessary.

ELECTRICAL

WARNING: Risk of electrical shock!

PRESSURE WARNING: Maximum total head is 28m when pump switch cutoff occurs.

- When wiring any electrically driven pump system, follow all local electrical and safety rules.
- Make sure the power source conforms to the pump voltage.
- Be sure that all power is disconnected before connecting the Filojet Pump unit to the power source.
- Plug the power cord into a grounded outlet after moving pump system's rocker switch to OFF position.
- Make sure supplied plug matches outlet configuration.



WARNING!
Damaged power cord
must be replaced by
factory authorized
service only!

SYSTEM START-UP

Before the Bottled Water Pump System is put into service, the system should be sanitized by following the maintenance and sanitation clean in-place procedure on page five (5).

After the Bottled Water Pump System has been mounted in a suitable location with the suction wand installed into the bottle and the discharge tube routed to the appliance water inlet (or to the optional drinking water faucet), the 230 volt AC systems must be plugged into a grounded outlet

Turn the pump system on by placing the on/off switch in the on position and operating the appliance dispensing valve or the drinking water faucet to vent all the air from the Bottled Water Pump System. After air is evacuated from the system, close the appliance dispensing valve or the water faucet and the pump will stop automatically until you open the water dispenser valve or water faucet. Follow manufacturer's plumbing and operating instructions with commercial coffee and tea brewers.

For refrigerators with icemaker only, the seal at the icemaker connection should be loosened or disconnected to vent the trapped air in the system. When water is present at the connection, reconnect, tighten and check for leaks.

Once the system is vented, it will not require venting again even after bottle changes.

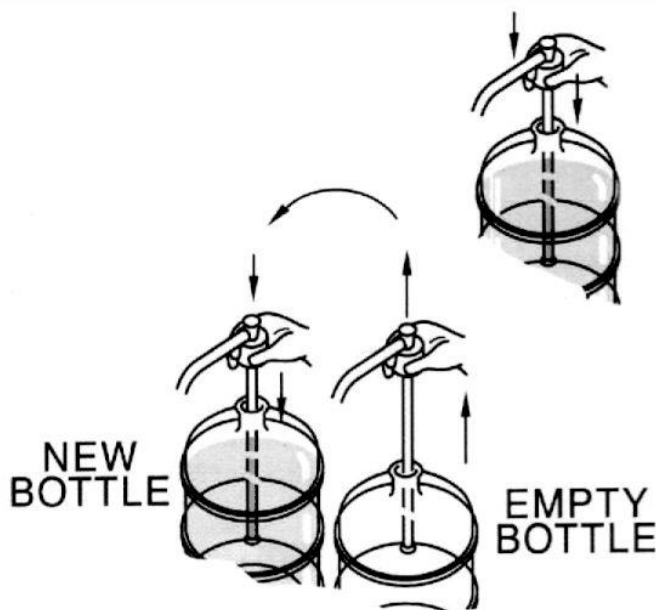
SUCTION WAND INSTALLATION

To install the suction wand into standard 19 liter bottle, place bottle close to system and remove bottle cap, then install suction wand into bottle. (note: if bottle is over filled, dispense enough water to allow the suction wand to be installed to the bottom of the bottle). Push suction wand bottle cap over bottle and push wand to bottom center of bottle.

SUCTION WAND REMOVAL AND CHANGING BOTTLES

Before removing suction wand from empty bottle, move bottle to an open area outside of cabinet. Put new bottle next to empty bottle, clean neck and cap area with detergent, and remove cap. Remove suction wand from empty bottle by lifting wand cap with a rocking motion and pull cap off bottle, sliding suction wand out of the bottle and place directly into new bottle while sliding cap over new bottle neck.

Do not attempt to remove suction wand by pulling on the soft plastic tube, which can result in permanent breakage of suction wand.



Do not place suction wand on floor, counter, or sink as this could contaminate the suction wand assembly. If bottle is over filled, dispense enough water to allow the suction wand to be pushed to bottom of bottle.

MAINTENANCE AND SANITATION

Equipment required

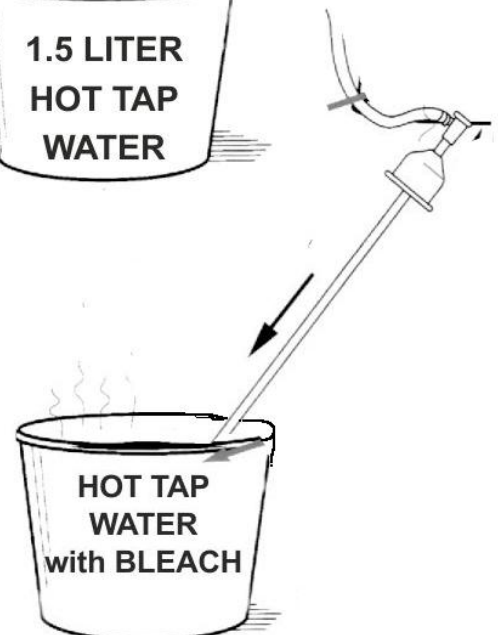
- 1.5 Liter Household Pails
- One (1) Roll of Paper Towels
- One (1) Small Container of Household Bleach

Clean In Place Procedure

1. Using the on/off switch on the front of the enclosure, turn Bottled Water Pump System off by putting the switch in the off position.
2. Fill a clean pail (A) with two 1.5 liter of hot tap water 57.2°C adding 100gr of household bleach
3. Remove the suction wand from the pure water bottle and submerge the bottle cap end into pail (A), taking care to ensure that the metal hose clamp connecting the hose to the suction wand is totally immersed in the water/bleach solution, for ten minutes and then wash underside of cap and suction tube exterior with a clean paper towel. If using the optional faucet, disconnect the tubing, Remove the faucet, immersing it in the water/bleach solution for ten minutes. Wash the faucet exterior with clean paper towel; install the faucet and reconnect the tubing. Place suction wand into clean empty pail (B) and dispose of solution in pail(A)
4. Refill the cleaned pail (A) with 1.5 liter of hot tap water 57.2 C ° adding 100 gr household bleach and place suction wand into pail with bottle cap up
5. Disconnect the discharge tube from the faucet or the refrigerator and place into the empty second pail (B). (Do not use pail with clean water and chlorine solution).
6. Turn the pump system on, by placing on/off switch in the on position and dispense all of the chlorine solution into pail (B). Place discharge tube into pail (A) and dispose of bleach, and rinse pail(B). Replace tube into pail (B).
7. Refill pail (A) with two 1.5 liter of hot tap water 57.2°C adding 100 gr of household bleach. Dispense bleach as in step #6.
8. Reinstall suction wand into new bottle of pure water and reconnect discharge tube into refrigerator or faucet and dispense 3 liter of water, or until bleach taste is removed.
9. Cleaning should be performed at least four (4) times per year.

CAUTION

Do not place Bottled Water Pump System into a dishwasher as it will cause electrical failure of pump and controls.



TROUBLESHOOTING

System Will Not Dispense Water

- Check on/off switch position
- Check power to pump system
- Check location of suction wand in bottle
- Check for empty bottle
- Check for air in system

Discharge Tube Leaks At Fitting

- Push tube all the way into tube stop
- Remove tube and cut 1/4" off end, square and reinstall
- Check correct tube size in fitting, tube size is 1/4" Fitting should be 1/4"

System Will Not Shut-Off

- Check for leaks in tubing system
- Check for leaks at tube fittings
- Check for leaks at faucet, ice maker or refrigerator water valve
- Check pressure switch by turning faucet off and on
- Check float switch position in bottle

System continually turns off and on while in use

- Check for restriction device at appliance inlet.
- Check for filter unit in line.

FILOJET Bottled Water Pump System warranty period of one(1) year after the installation.

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