BMB TECHNOLOGY

REVERSE OSMOSIS WATER PURIFIER USER MANUAL

smart water technology

Dear Customer,

Thank you for purchasing a BMB Technology branded water purifier!

We wish that you enjoy your water purifier which produced by the leading company in the market.

Please read this user manual carefully before you install and operate your water purifier to achive maximum efficiency and keep it for further needs.

BMB Technology

SAFETY CONSIDERATIONS

Be sure to read these safety considirations carefully

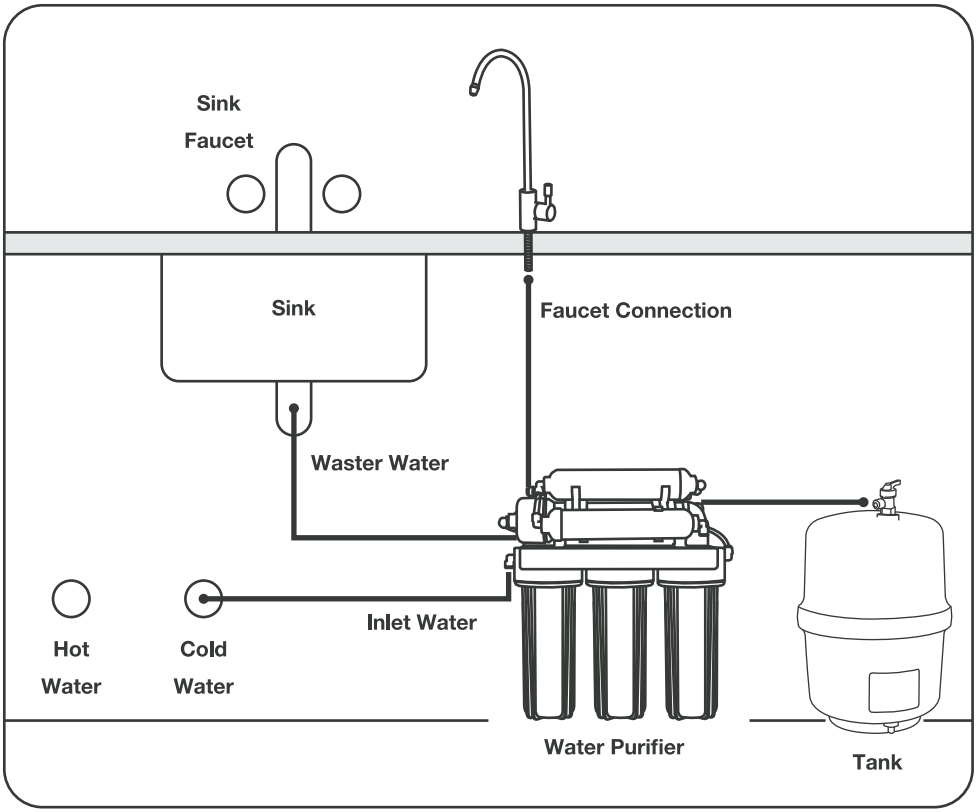
It's important only to use an adapter, which is supplied by the manufacturer. no other adapter is reccomended to use.

Plese make sure that children not to reach to the purifier.

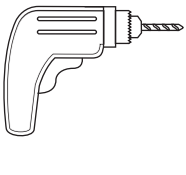
- Do not place any object on top of your water purifier and do not place the the water purifier under direct sunlight.
- Use a pressure reducer if the inlet water pressure over 6 bar, where the water purifier is installed.
- Do not use in conditions under 5 °C and make sure the water purifier inlet water temperature should not exceed 38 °C.
- In case the water purifier would not to be used for long term, close the inlet combo valve and unplug the adapter.
- Make sure to not bend the tubings on the water purifier and place the it not to be bended.
- Do not use your device when the sewer is clogged and make sure that the drain and flow are not clogged.
- Unplug the water purifier during installation and repair. Do not damage the power socket and do not touch it with wet hands.
- Please contact our company for installation, filter replacement and any other needs with your water purifier.
- Always use original filters when filter replacement for an efficiency of your water purifier
- Do not put the water purifier close to a source of flame and do not let the water purifier come in contact with corrosive materials.

INSTALLATION DIAGRAM

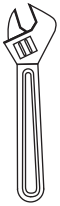
The quick assembly diagram of your water purifier is below. You can easily make the nstallation by following the steps in the user manual.



TOOLS NEEDED FOR INSTALLATION



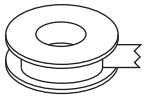
Drill



Wrench

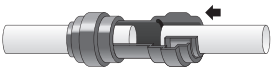
Pliers
(or Needle Nose Pliers)

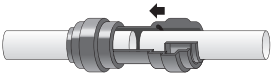
Utility
Knife

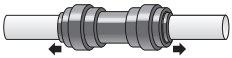


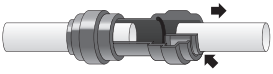
Teflon Tape

HOW TO USE QUICK CONNECT FITTINGS





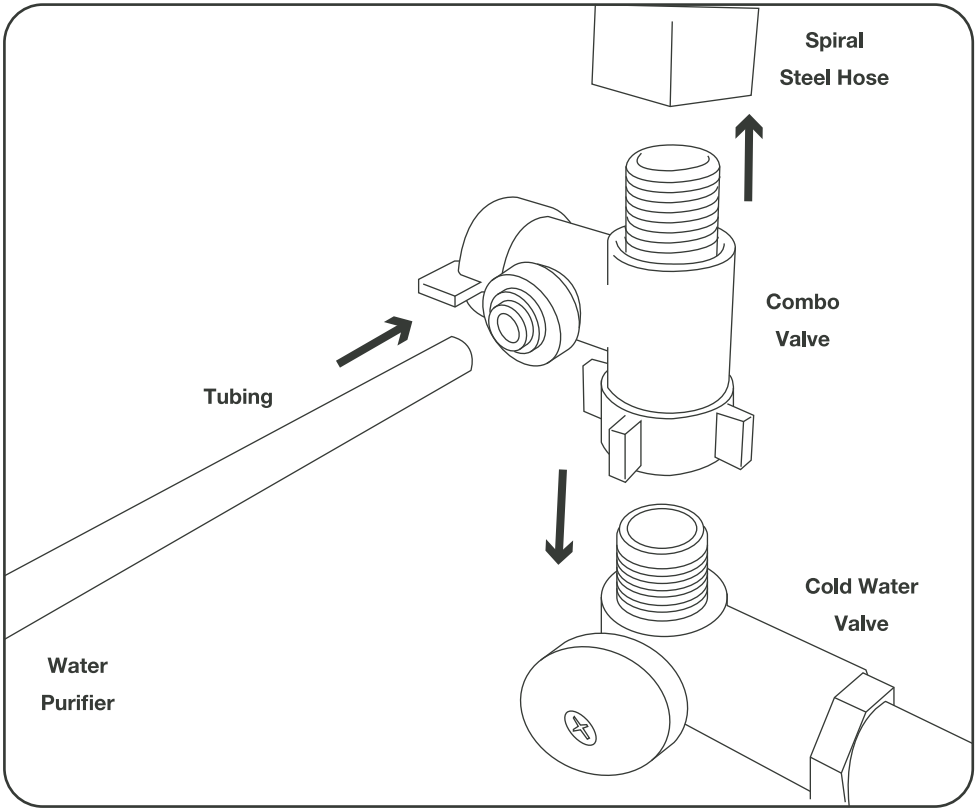




1. The fitting grips the tubing before it seals. Lightly push the tubing into the fitting until the grip is felt.
2. Push the tubing into the fitting harder until the tube stop is felt. The collet has stainless steel teeth which hold the tubing in position while the O-ring provides a permanent leak proof seal.
3. Pull on the tubing away from the fitting and make sure it is stays firmly in place. It is good practice to test the connection with pressurized water before finishing installation.
4. To disconnect the tubing from the fitting, ensure that the system is depressurized first. Push in the collect squarely agains the face of the fitting. With the collect held in this position, the tubing can be removed by pulling.

Note: It is important that the sliced edge of the tubing is cut cleanly. If the tubings needs to be cut use a sharp knife of scissors. Makre sure to remove all burrs or sharp edges before inserting the tubing to the fitting.

INLET WATER INSTALLATION



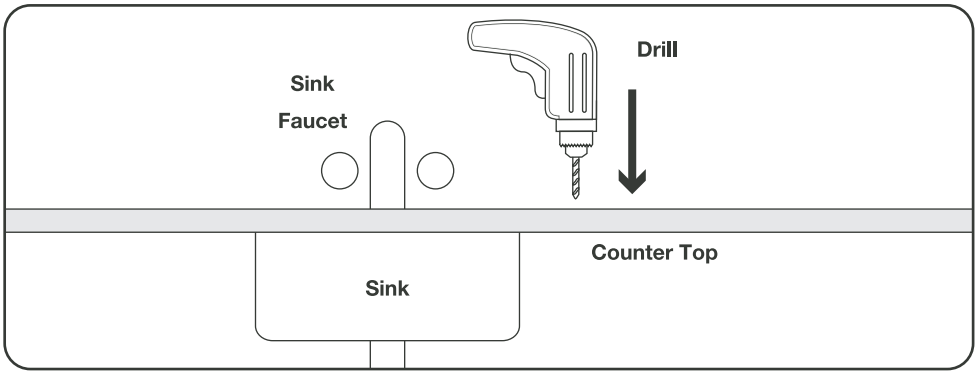
1. After closing the cold water valve under the counter, remove the spiral steel hose.
2. Mount the combo valve to the cold water valve and then mount the spiral steel hose to the combo valve.
3. Mount the tubing, which is connected to the water purifier, to the combo valve.

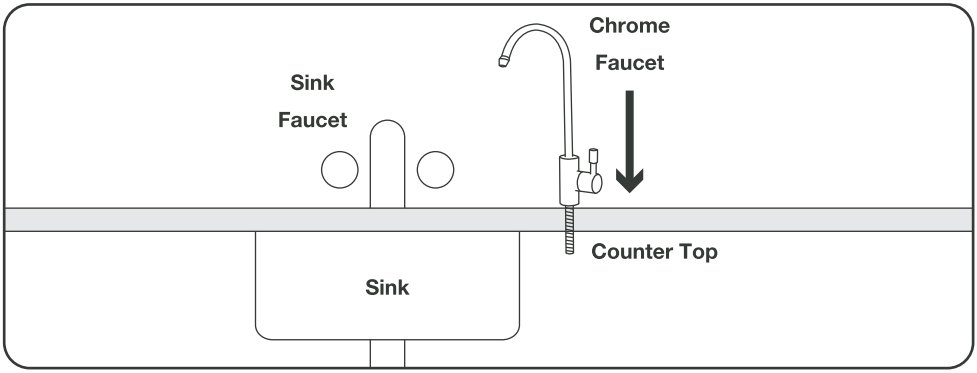
Note: Before moutining all the parts, make sure to wrap with teflon tape all the threaded parts

FAUCET INSTALLATION

To install the faucet, first drill your countertop using a 5 mm drill bit. Then enlarge the hole you drilled with a 12 mm drill bit.

The drill bit should be selected in accordance with the material of the countertop to be drilled.
Diamond Drill Bit: Concrete, Tile, Granite and marble.
HSS (High Speed Steel) Drill Bit: Steel, Wood, Chrome, Iron and Aluminum.





Open the hole on your countertop with an appropriate drill bit and place the chrome faucet with the gasket and faucet flange into the hole (Figure 1).

FAUCET INSTALLATION

To mount the faucet on your contertop, place the gasket and plastic flange nut on the bottom part of the faucet under countertop and tighten it by hand. Then mount the quick connected fitting to the end of the faucet by pushing. Mount the tubing, which is connected to the "Clean Water" outlet of your water purifier.

See the Figure 1 for the order of the parts to be installed to the faucet with upper and lower end of the countertop.

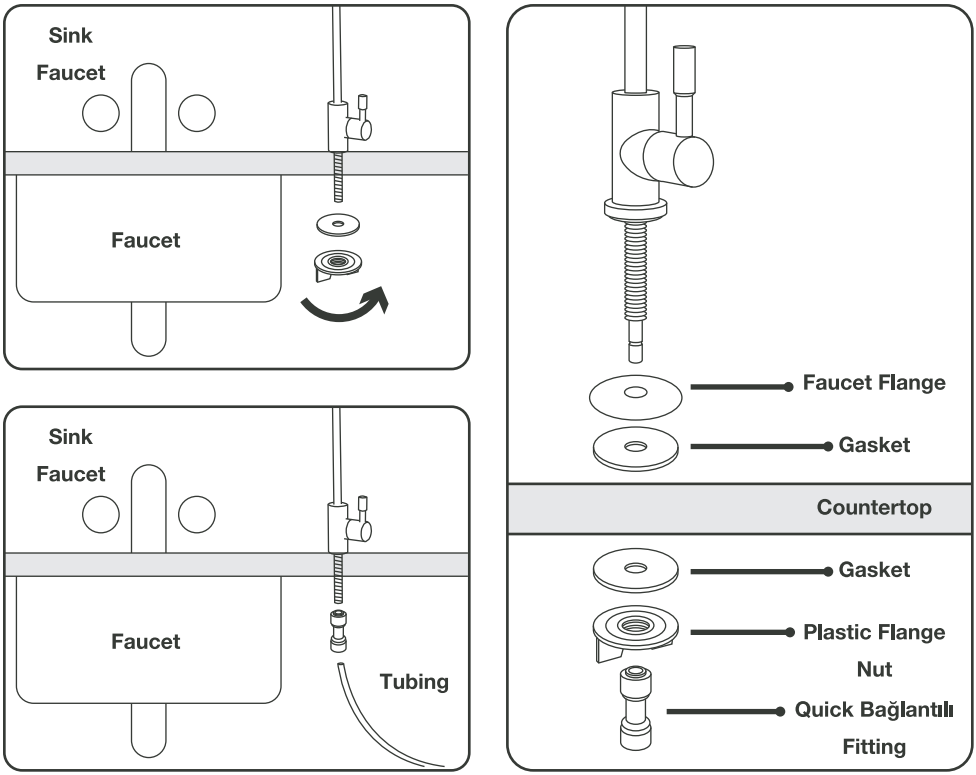


FIGURE 1

TROUBLESHOOTING GUIDE

TROUBLE	POSSIBLE CAUSE	SOLUTION
The machine does not start	-The power source is not connected. -Low inlet water pressure or no water. -Low-pressure switch failure, cannot connect the power source. -High-pressure switch cannot be restored. -High-pressure pump burned out. -Transformer burned out.	-Check the power source or the power source plug. -Check the inlet water pressure. -After connecting the inlet water, measure the resistance, replace. -After letting off the pressure, measure the resistance, replace. -Measure the output voltage, replace. -Replace the high-pressure pump. -Check the transformer input voltage/overload.
The high pressure pump is working properly, but no water is being produced	-High-pressure pump has lost pressure. -Inlet water valve is faulty, no water can get in. -A pre-filter is blocked. -Check valve is blocked. (waste water, no pure water) -The RO Membrane is plugged.	-Measure the water pump pressure, replace. -Replace the inlet water valve. -Observe the pure water and waste water, replace the pre-filter. -Replace the check valve. -Clean or replace the RO membrane.
The storage tank is full but no pure water is flowing out	-Storage tank doesn't have enough pressure. -Post-activated carbon filter is plugged. -The storage tank internal pressure cannot reach the set high pressure.	-Inflate the storage bucket, empty tank pressure should be 7 PSI. -Replace the post-activated carbon filter. -Measure the pressure from the water pressure pump, replace.
The machine produces continuous pure water	-High-pressure problem. -High-pressure pump has lost pressure. -Shut-off valve is faulty.	-Measure the pressure. -Measure the water pump pressure, replace. -Replace the shut-off valve.
The machine is turned off but waste water has not stopped	-Shut-off valve failed, cannot effectively cut off the water supply. -Check valve has lost pressure. (small W.W. flow rate)	-Observe the waste water, replace the shut-off valve. -Observe the waste water, replace the check valve.
After the machine is filled with water, the machine starts repeatedly	-Check valve has lost pressure. -High-pressure switch failure. -System is exhibiting a loss of pressure.	-Replace the check valve. -Replace the high pressure switch. -After checking the check valve, check whether there is water leakage in the pipelines.

TROUBLESHOOTING GUIDE

TROUBLE	POSSIBLE CAUSE	SOLUTION
The pure water flow is small or not flowing	-Pre-filter is plugged. -RO membrane is plugged. -Shut-off valve failure. -Check valve is plugged. -Post-carbon filter is plugged. -High pressure pump pressure is not enough.	-Replace the pre-filter. -Wash or replace the RO membrane. -Replace the shut-off valve. -Replace the check valve. -Replace the post-carbon filter. -Measure the high pressure pump water pressure, replace.
No or little decrease in TDS value in product water.	-RO membrane connector o-ring deformed. -RO membrane ruptured/aperture enlarged.	-Replace o-ring. -Replace RO membrane.
Machine not treating water after replacing filter cartridge.	-Air in the tubing.	-Vent the air in the tubing.
Pressurized motor continues to restart frequently.	-Outlet check valve not blocking water completely. -Leakage in the tubing.	-Replace check valve. -Lock tightly/replace tubing.
Booster pump motor burned out.	-Abnormal frequent start up and overheat.	-Replace booster pump.
Motor does not pump up the pressure.	-Air in the motor. -Water inlet valve failure, Insufficient water input. -Pre-filter is blocked.	-Vent the air. -Check the water supply and replace the water inlet valve if necessary. -Replace pre-filter.
Transformer smells.	-Power input specification error. -Power source is burned/failed.	-Check if power input complies with standard specs. -Check the power source, replace if necessary.
RO water smells or tastes strange.	-Inline post-activated carbon is saturated. -Intermittent usage, water ceases flowing.	-Replace Inline post-activated carbon. -Drain tank water/replace inline post-activated carbon cartridge.
Filter cartridge junction leakage.	-Filter housing not locking tightly. -Filter housing o-ring deformed.	-Lock housing tightly. -Replace housing o-ring.