



# Countertop Thunder™ Reverse Osmosis Systems Installation and Operation Guide



CQE-CT-00142



### Parts Include:

- Pre-treatment Cartridge
- Membrane
- Post-treatment Cartridge
- Faucet Adapters
- Spout
- Filter Change Reminder Label

*(Please note all drawings, pictures, colors and sizes are approximate for illustrative purposes only and may not exactly resemble the end product.)*

### OPERATING SPECIFICATIONS

Pressure Range: 30-60 psi (2.1-4.1 bar)  
 Temperature Range: 40-100°F (4.4-37.7°C)  
 Optimum Service Flow: 0.30 gpm at 60 psi  
 (1.1 lpm at 4.1 bar)

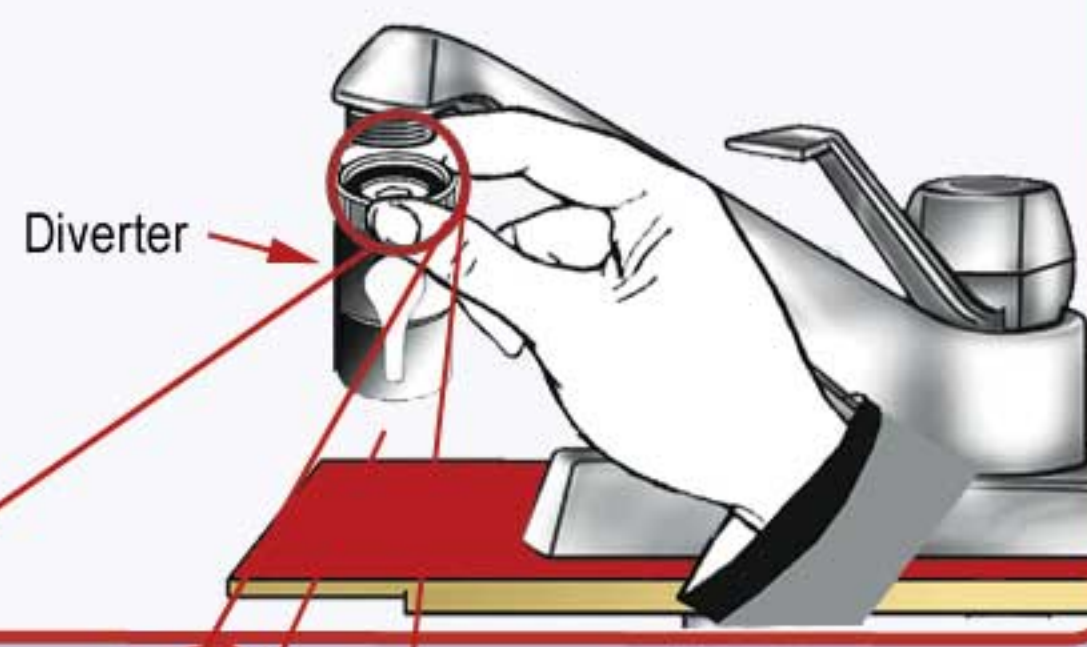
## INSTALLATION INSTRUCTIONS

**Remove red cap.** Follow the instructions below to install your countertop system.

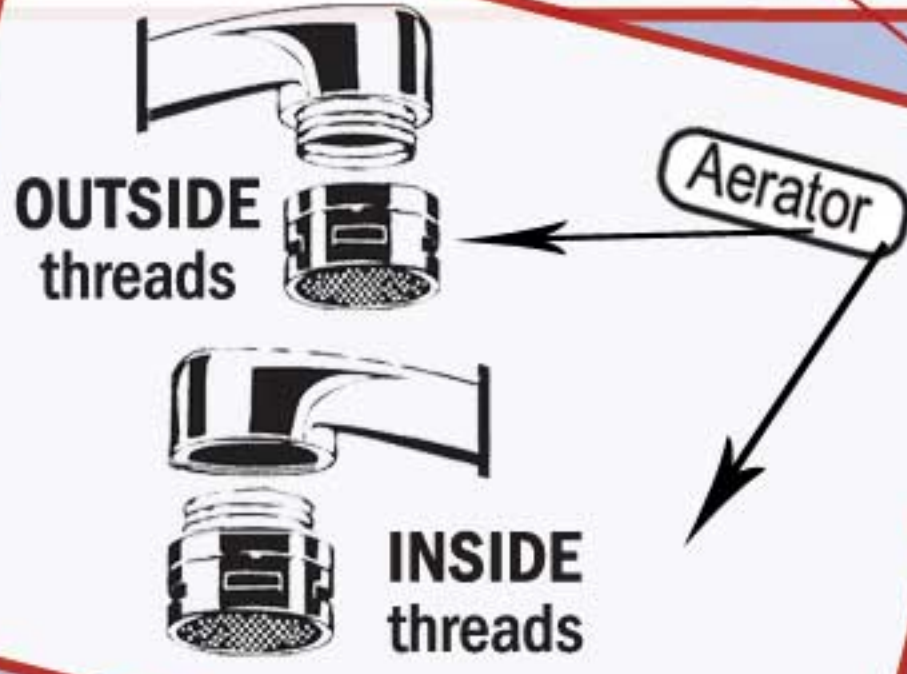
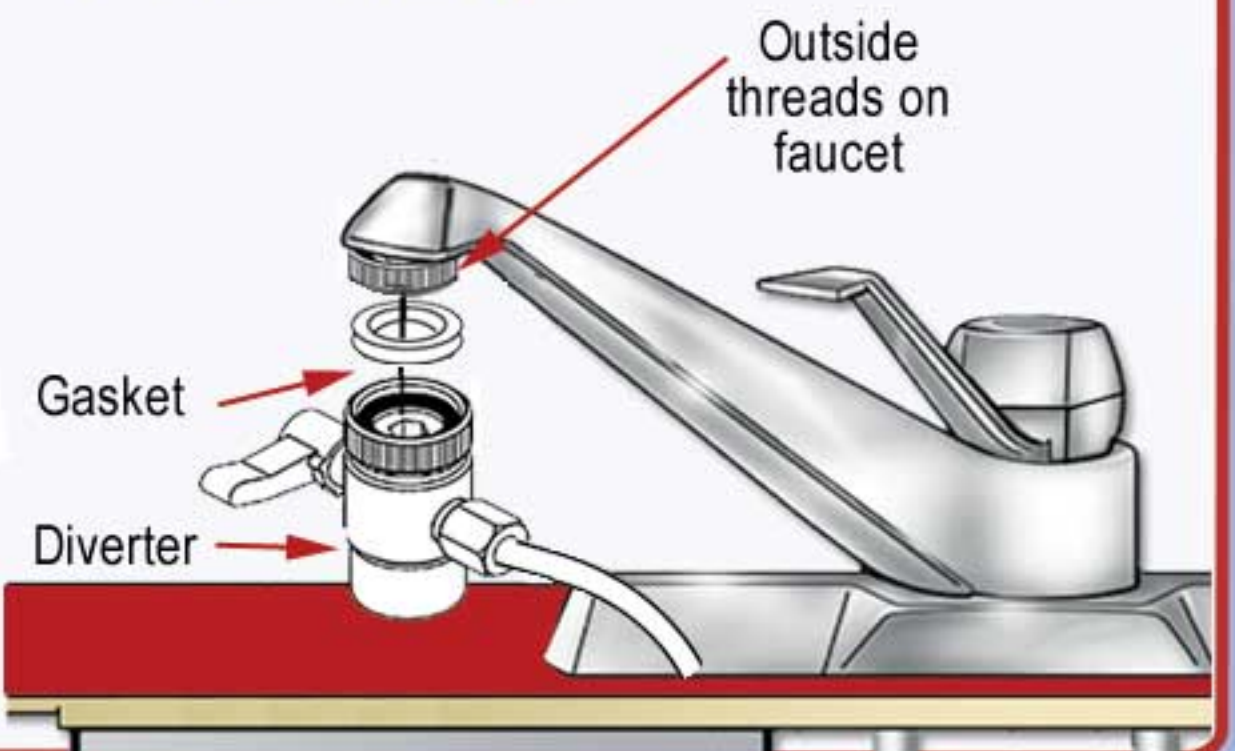
1. Remove the aerator from faucet.



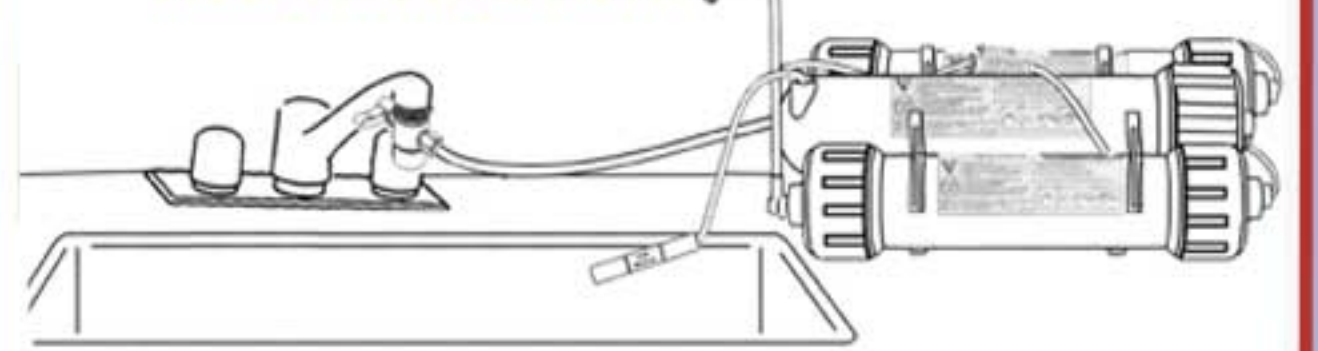
2. Determine the need for an adapter. Choose correct adapter as needed.



3. Attach the diverter to the faucet and turn until tight.



4. Use the large clamp to tighten unit hose to the faucet.



Place the water filter in desired location on the countertop. Insert spout into spout housing and push it down firmly.



Review Installation and Operation Guide online at [www.crystalquest.com](http://www.crystalquest.com) for the most up-to-date version.



ISO 9001:2008 Certified Manufacturer



**IMPORTANT INFORMATION**

Your Countertop Thunder™ Reverse Osmosis Water Filter system cartridges must be replaced at regular intervals to maintain proper performance.

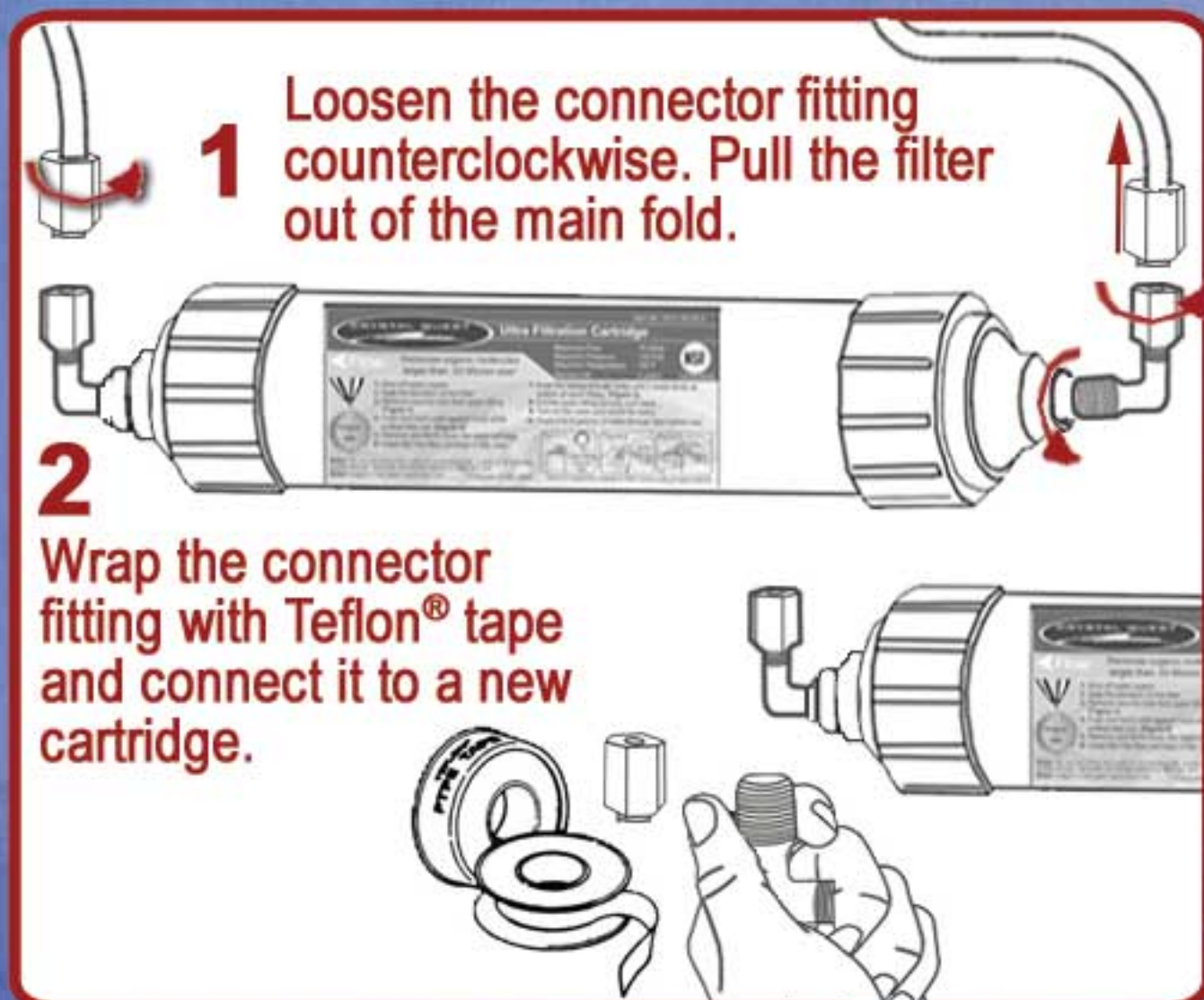
- The filter cartridges have a limited service life.\* Use only factory approved cartridges.
- Changes in taste, odor, and flow of the water being filtered indicate that cartridges should be replaced.

\*Life of the cartridge varies with water consumption and water condition

Failure to change the cartridges routinely will result in reduced performance.

- **DO NOT** run hot water through unit.
- **DO NOT** use where water is microbiologically unsafe.

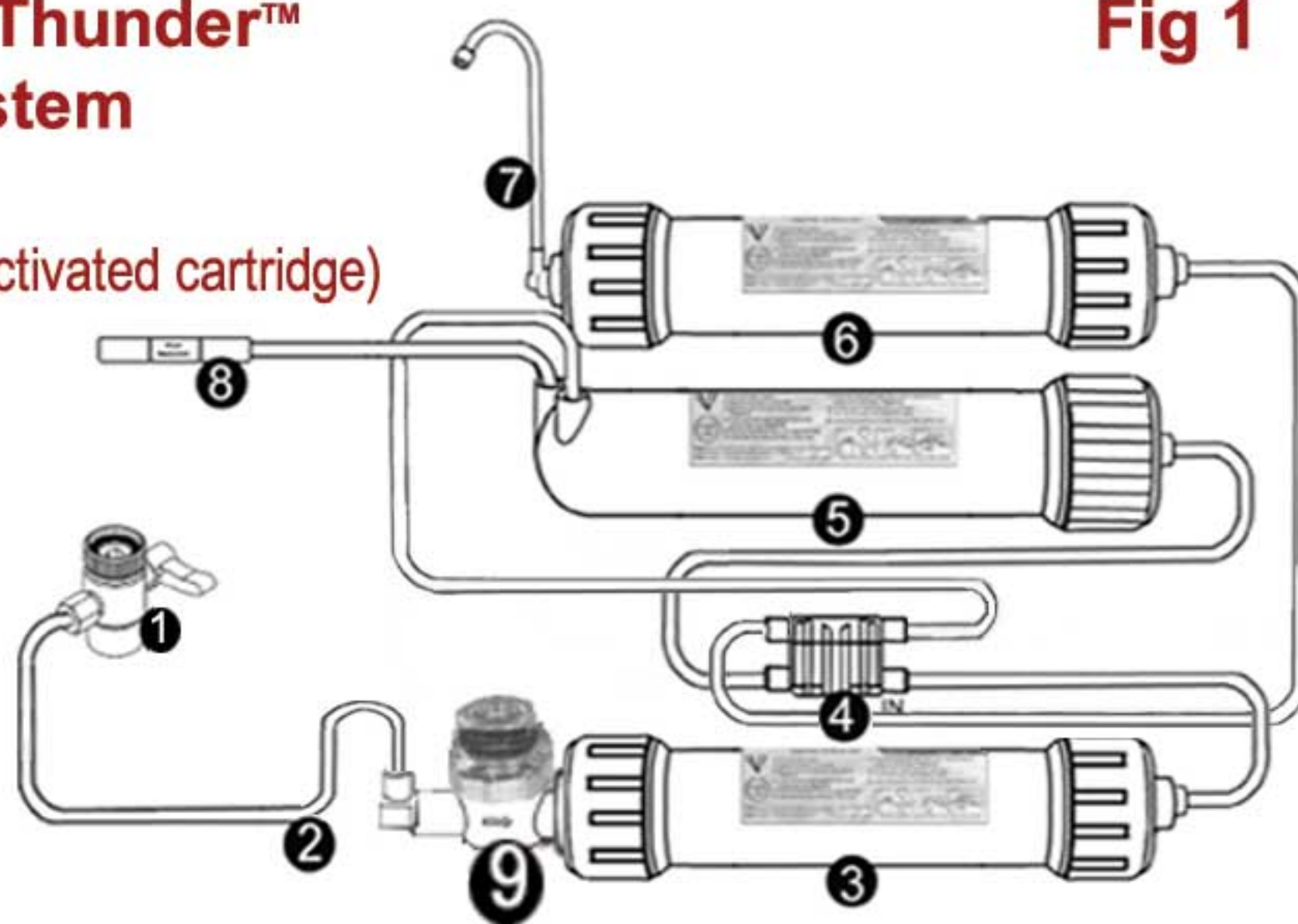
**CHANGING CARTRIDGE**



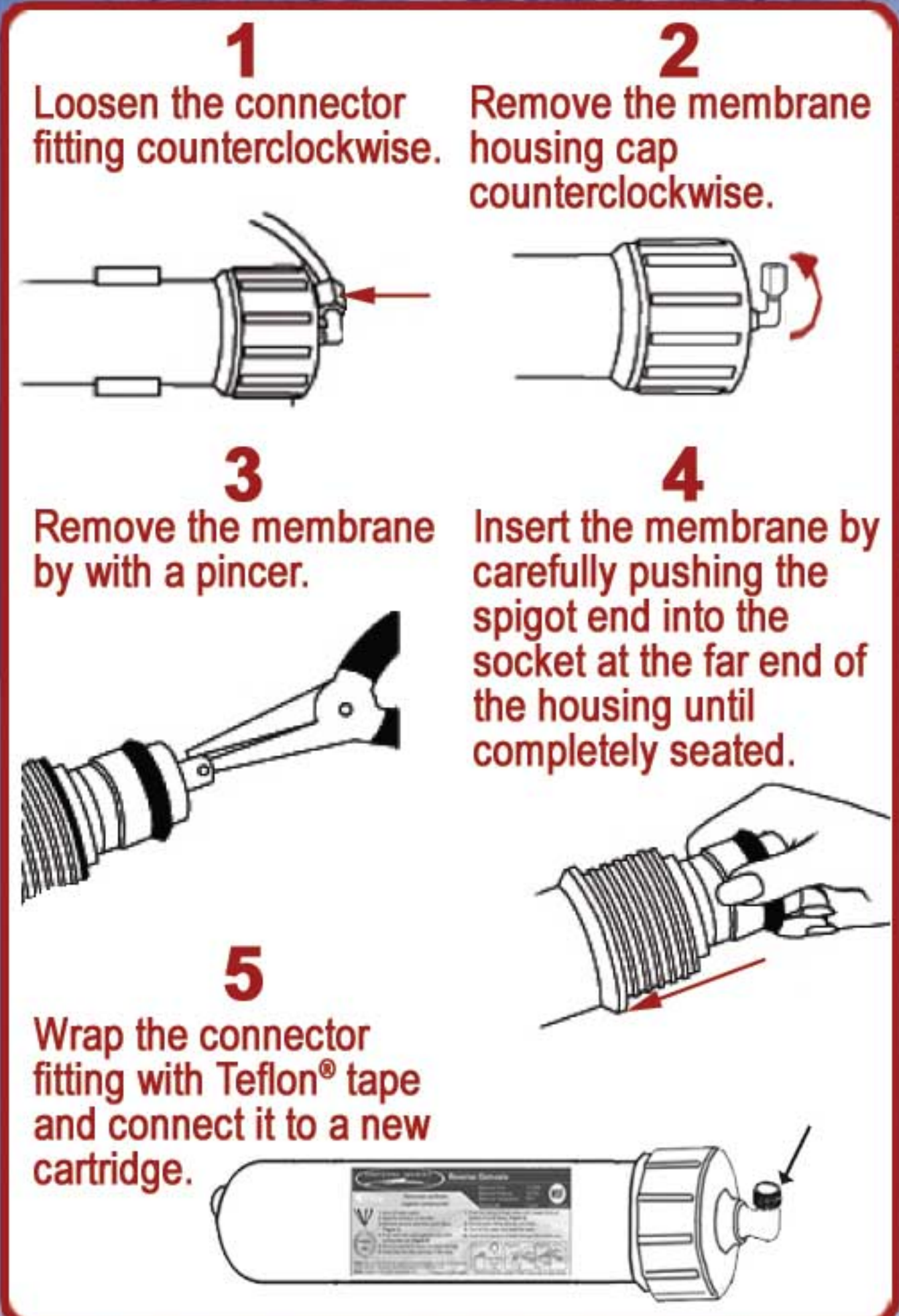
**Countertop Thunder™ RO System**

**Fig 1**

- 1- Diverter
- 2- Tubing
- 3- Pre-treatment cartridge (activated cartridge)
- 4- Auto shut-off valve
- 5- Membrane
- 6- Post-treatment cartridge
- 7- Spout
- 8- Drain line/flow restrictor
- 9- Pre-filter (optional)



**CHANGING MEMBRANE**



**CARE AND OPTIMUM USE**

1. Use cold water only. Do not use water above 85°F/29°C. This may damage the filter cartridges.
2. The contaminants or other substances removed or reduced by this water filter are not necessarily in all of users' water.
3. Soak the diverter in a vinegar and water solution once a month. This will clean deposits that form from feed water and help prevent corrosion of internal diverter mechanisms.

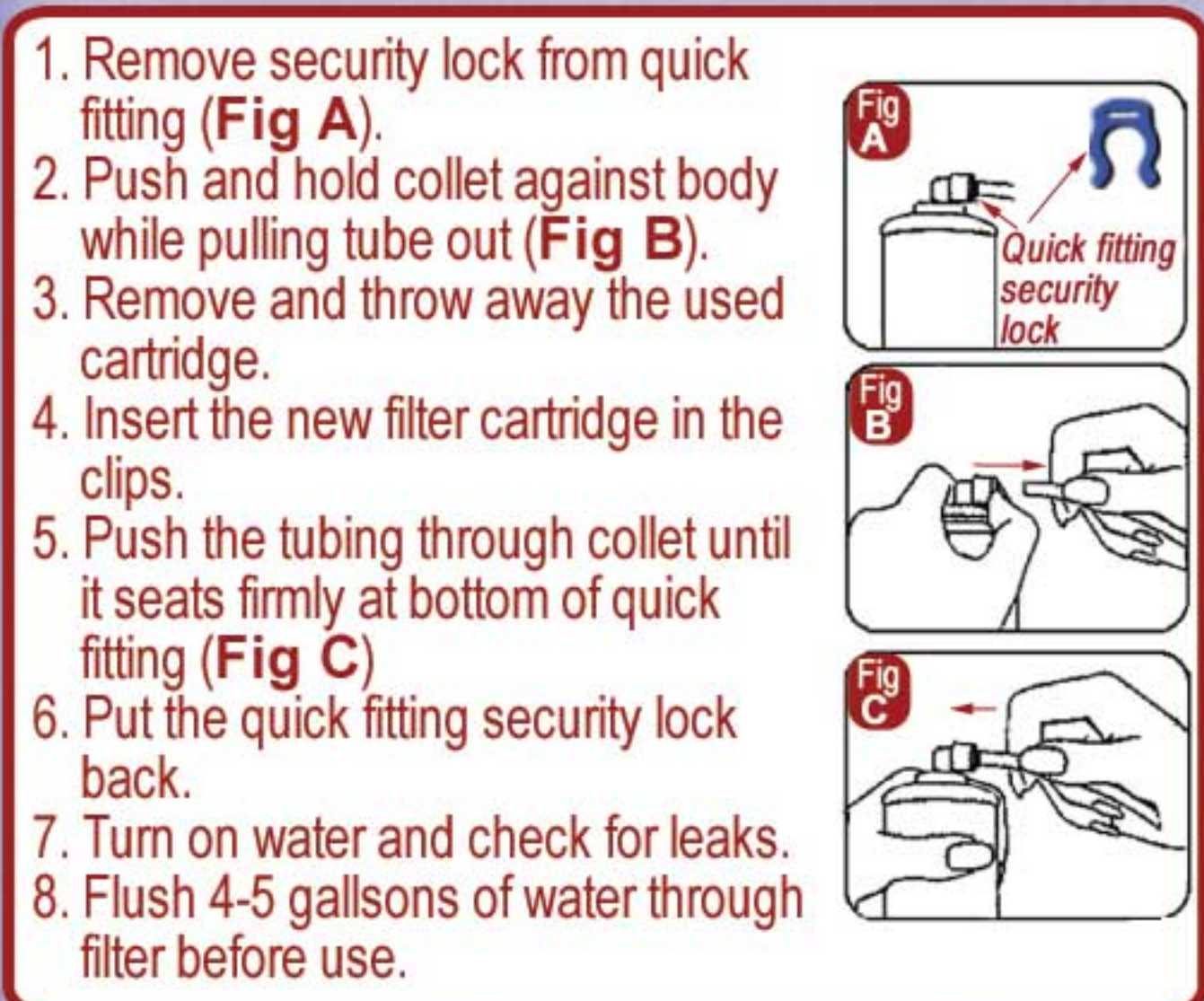
**LIMITED WARRANTY**

CRYSTAL QUEST® warrants your CRYSTAL QUEST® Thunder™ Countertop Reverse Osmosis Water Filter for one year from the date of purchase against all defects in materials and workmanship when used in compliance with the manual. CRYSTAL QUEST® disclaims all implied warranties including, without limitation, warranties of merchantability and fitness for a particular purpose. If for any reason the product proves to be defective within one year from the date of purchase (90 days for filter cartridges), please call for assistance. This warranty gives you specific legal rights and you may have other legal rights which vary from state to state. CRYSTAL QUEST® assumes no responsibility for incidental or consequential damages, for damages arising out of misuse of the product, or the use of any unauthorized attachment. Some states do not allow the exclusion or limitation of implied warranties or incidental or consequential damages; therefore, the above limitations or exclusions may not apply to you. Should service be required during or after the warranty period or should you have any questions regarding how to use your CRYSTAL QUEST® Thunder™ Countertop Reverse Osmosis Water Filter, contact our Technical Support Department at [service@crystalquest.com](mailto:service@crystalquest.com), Monday through Friday, 9 A.M. to 5 P.M. Eastern Time.

**TROUBLESHOOTING**

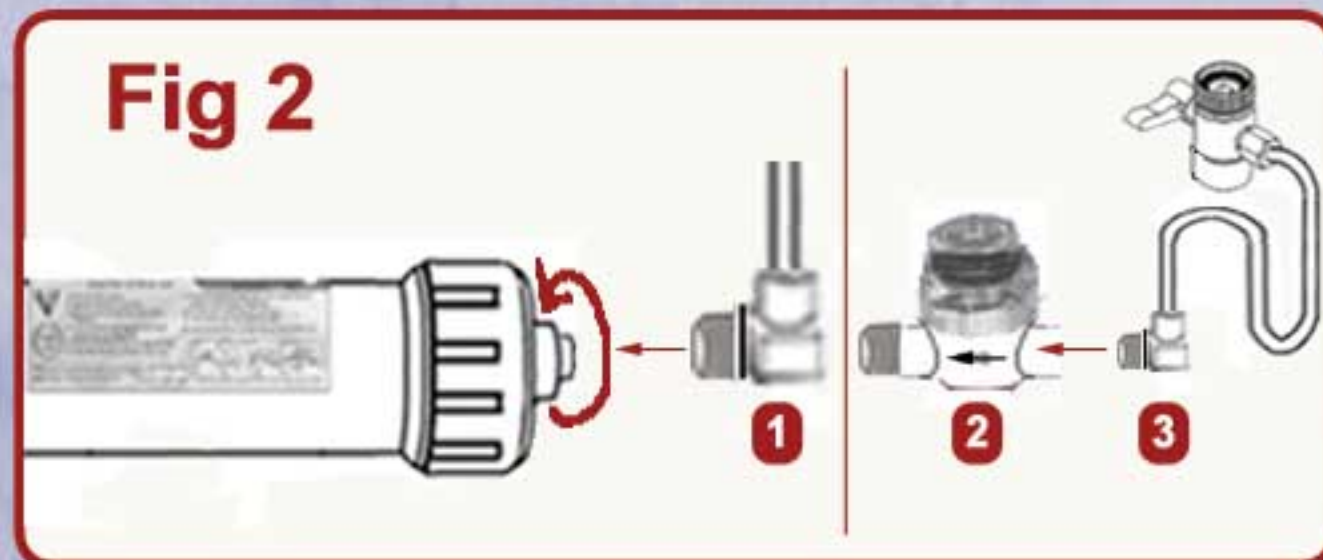
1. **Low or no water flow.** Very low water temperatures may cause water flow through membrane to slow or stop. Wait for temperature to rise.
2. **High levels of hardness in feed water.** A crystallized layer may form around membrane in feed water with high levels of hardness, causing water to flow improperly. Soak membrane in vinegar and water solution for 2 to 3 hours to clean membrane. Rinse thoroughly before reusing.
3. **Exhausted filter cartridges.** Exhausted cartridges may clog. If steps above do not bring results, filters should be changed.

**QUICK FITTING**



**PRE-FILTER INSTALLATION**

1. Remove the water inlet elbow from pre-treatment cartridge by turning counterclockwise (Fig 2).
2. Thread male end of pre-filter (Fig 1, #9) into pre-treatment cartridge (Fig 1, #3) and tighten clockwise. You may need to use thread tape.
3. Thread previous elbow (Fig 2, #1) into female end of pre-filter (Fig 2, #3). Thread tape may be needed.
4. Turn on water supply and run for 2 minutes prior to first use.



**REPLACEMENT CARTRIDGES**

- Item No. CQE-RC-04038 GAC Filter Cartridge
- Item No. CQE-RC-04040 Multi Stage Filter Cartridge
- Item No. CQE-RC-04041 50 GPD Membrane TFC Filter Cartridge

For replacement cartridges, contact your Crystal Quest® Dealer or visit us online at: <http://www.crystalquest.com>

Model and design are subject to change without notice.

**KEEP THIS MANUAL FOR FUTURE REFERENCE AND UNIT MAINTENANCE**