



## QF5-C UNDER COUNTER SYSTEM INSTALLATION GUIDE

### 1.0 QF5-C UNDER COUNTER SYSTEM

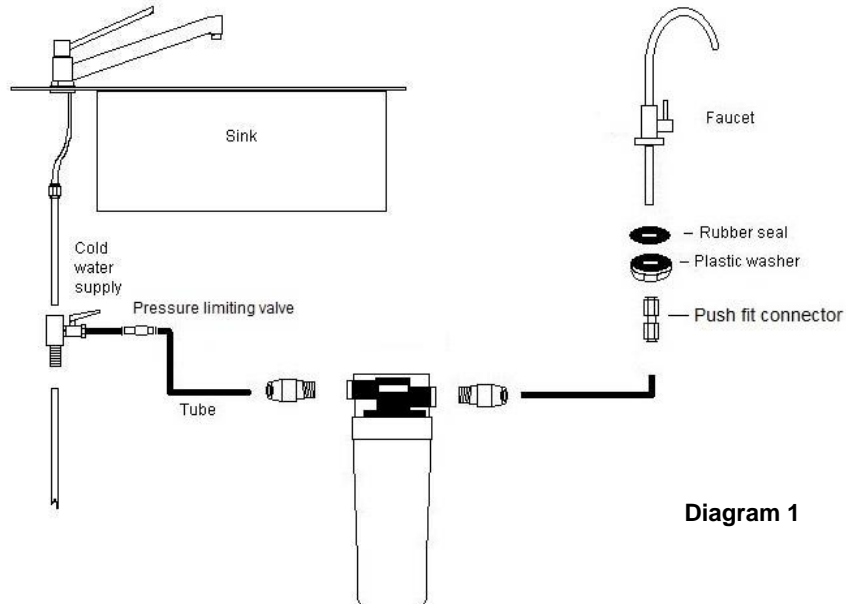
Read through all the instructions carefully before proceeding with the installation. Be sure to follow any special plumbing codes in your area. With proper installation and maintenance your QF5-C under counter system will produce good quality, great tasting drinking water for years to come. You can also contact your local dealer if you are having problems installing it. Diagram 1 illustrates the plumbing connections that are needed to install the system. The arrows show the direction of the water flow in the system.

**CAUTION:** DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR WITH WATER OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM. SYSTEM CERTIFIED FOR CYST REDUCTION MAY BE USED ON DISINFECTED WATER THAT MAY CONTAIN FILTERABLE CYSTS. PLEASE HAVE THE SYSTEM SERVICED REGULARY EVERY 6 MONTHS.

### 2.0 SYSTEM COMPONENTS

The QF5-C UNDER COUNTER includes the following components:

1. A bracket with twin
2. QF5-C under counter filter
3. Pressure reduction valve
4. SS faucet
5. 4 meters of tube
6. A master shut off valve with  $\frac{1}{2}$ " pipe connector
7. A pressure limiting valve



### 3.0 INSTALLATION OF SINK-TOP FAUCET

The Faucet should be positioned to ensure a free flow pattern into the sink. It must also be in a location that allows ready access to the mounting hardware from under the sink. Diagram 2 shows an example of a faucet that is attached to the sink top.

**CAUTION:** EXTREME CARE MUST BE TAKEN IN DRILLING THE HOLE FOR THE SINK-TOP FAUCET. THE SURFACE MATERIAL FOR MOST SINKS IS EXTREMELY HARD AND BRITTLE AND CAN BE EASILY CHIPPED OR CRACKED. THIS UNIT'S MANUFACTURER/RESELLER ACCEPTS NO RESPONSIBILITY FOR SINK TOP DAMAGE RESULTING FROM THIS INSTALLATION. SAFETY GLASSES MUST BE WORN WHEN OPERATING THE DRILL.

1. Using the 6.4mm drill bit, drill a hole through the base metal. Operate the drill slowly and carefully, especially when the drill is about to penetrate the metal. If necessary use a drop or two of oil in the hole. Go slowly otherwise damage to the sink may result.
2. Repeat step 1 using the 12mm drill bit.
3. Mount the faucet in the hole and using an adjustable wrench to hold the faucet, tighten

### 4.0 MOUNTING THE QF5-C UNDER COUNTER

1. Mark screw locations at the desired positions. Use the two holes at the back of the QF5-C UNDER COUNTER mounting bracket for marker guides.
2. Screw the wood screws supplied with unit into marked positions.
3. Leave screw heads out a little.

4. Mount QF5-C UNDER COUNTER system onto screws.

## **5.0 INSTALLATION OF COLD WATER SUPPLY CONNECTOR**

### ***TURN OFF THE COLD WATER SUPPLY BEFORE YOU START***

The water supply connector that comes with the unit is made up of three parts; ½" pipe connector, a master shut off valve pressure reduction valve. See Diagram 1 for connection details. Please contact your local plumber if you are having problems installing the cold water inlet.

## **6.0 CONNECTING UP QF5-C**

Check the labeling detail on QF5-C system before connecting up the system.

1. Connect the **WATER IN** tubing to the master shut off valve, which is attached to the ½" pipe connector. With the other end of the tubing, connect it to the pressure valve followed by the first stage of the XSHG-200 system. The first stage of the XDC200 system is mark with "IN" from the left hand side of the system.
2. Connect the outlet "OUT" from the XSHG-200 to the sink top faucet.

## **6.1 QUICK INSERT PUSH IN FITTING**

**NOTE:** Fittings and tube should be kept clean, bagged and undamaged before use.

### **Step 1 - Prepare the connection:**

Cut the tube square ensuring it is free of score marks. We recommend the use of one of the tube cutter for a perfect cut. For soft or thin walled plastic tube we recommend the use of a tube insert.

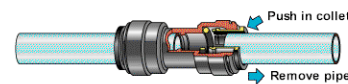
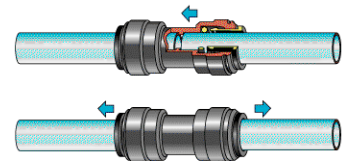
With the fitting clean and undamaged and the tube cut square, you are now ready to make the connection.

### **Step 2 - Assemble the connection:**

Push the tube into the fitting, until the tube stops. The collet (gripper) has stainless steel teeth which holds the tube firmly in position whilst the 'O' Ring provides a permanent leak proof seal. Pull on the tube to check it is secure. It is good practice to test the system prior to leaving site and/or before use. It is recommended (and good practice dictates) that you remember to pressure test the completed installation before use.

### **Disconnecting standard push-in fittings:**

Ensure system is depressurized before removing fittings. Push in the collet against the tube (center of the fitting). With the collet held in this position the tube can be removed. The fitting can then be re-used.



## **7.0 START UP PROCEDURE**

1. With everything connected turn on cold water to unit.
2. Open faucet on sink.
3. Turn on the feeding valve.
4. Check for leaks. (If anything is leaking shut off water, repair, then start with step 1 again).
5. Within a few seconds the water will start to run.
6. Let the water run for 10 minutes. This flushes out any carbon fines.
7. The system is now ready to be used.
8. Check for leaks daily in the first week and periodically thereafter.

**Remember to have your water filter cartridge replaced regularly.**

Replacement cartridge part numbers are:

**QF5-C**

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