

The diagram above is just for reference. Please take the appearance of the actual product as the standard.

ULTRAFILTRATION DRINKING WATER SYSTEM

# Instruction Manual

Model: MU1649-4

Before installing and operating your water purifier, please read the instruction manual carefully and keep it for future reference.

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## A: SAFETY GUIDELINES

### Safety Guidelines

To reduce risk of fire, electric shock, or injury when using your appliance, follow these basic precautions:

- Before use, please read and follow all safety rules and operating instructions.
- Never clean parts with flammable fluids. The fumes can create a fire hazard or explosion.
- Be sure to follow applicable state and local plumbing and sanitation codes when installing the product. Please consult your licensed plumber if necessary.
- The system works on water pressure of 1 bar (minimum) to 4 bar (maximum). If incoming water pressure is more than the maximum limit, install a pressure reducing valve in the water supply line to the system.
- Do not install the system outdoor or at a location under extreme temperatures. The temperature of the water supply to the system must be between 4°C and 38°C. Do not install the product along a hot water supply pipe.
- FOR USE WITH MUNICIPAL WATER ONLY. Do not use the product with water that is unsafe or of unknown quality.



### USAGE

1. Please read USING THE PRODUCT thoroughly before using the appliance for safety precautions.
2. Do not disconnect the appliance or move the appliance while it is in operation, as this may lead to water leakage and potential breakdown.
3. Ensure all tubings and fittings are secure and free from water leakage.
4. Refer to USING THE PRODUCT for more information on using the product for the first time.
5. To enjoy good water quality, purge the system upon first usage or when necessary. Refer to USING THE PRODUCT and MAINTAINING THE PRODUCT for more details.
6. It is normal for the appliance to generate a slight noise when in use.



### Maintenance

1. Quickly cut off water main when the appliance is not functioning properly. Contact your local after-sales representative immediately for assistance.
2. Please do not attempt to dismantle the appliance, or to replace any parts (except for cartridge) within the appliance. The appliance should only be repaired by manufacturer, authorized service agent, or trained technical personnel.
3. Do not clean the appliance using strong chemicals such as benzene or thinner.



### Storage

1. Avoid using or placing the appliance
  - a. under direct sunlight or outdoors;
  - b. in an area where temperature falls below 0°C;
  - c. near a heat source or magnetic field;
  - d. in humid or dusty areas.
2. Do not put heavy objects onto the appliance.
3. Do not submerge the appliance in water.



### Children

1. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
2. Children should be supervised to ensure that they do not play with the appliance.
3. Keep small product parts and any loose packaging away from young children.

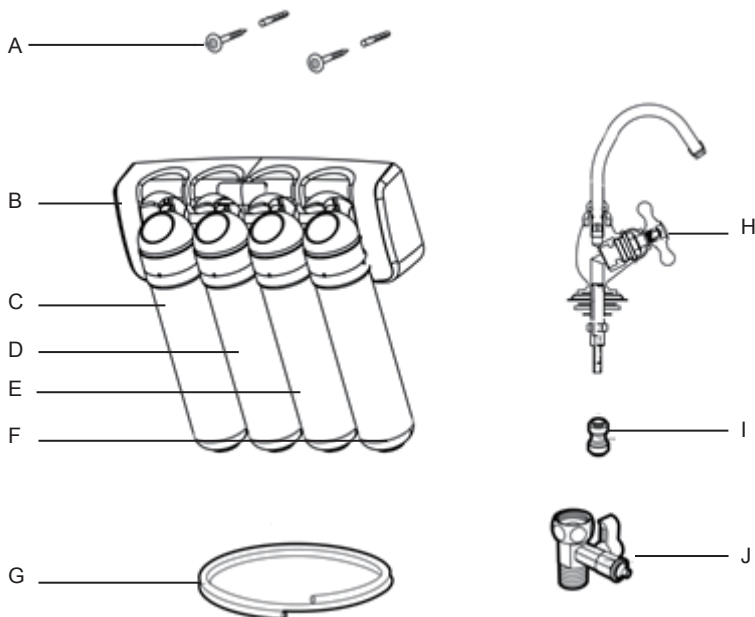


### Miscellaneous

1. Avoid compressing, folding or knotting the tubing.
2. Keep the appliance away from any heat source or naked flame.
3. Keep the appliance away from any flammable or volatile substances.
4. Limited product warranty does not include cleaning of the appliance.
5. Do not use old water tubings and fittings. Use the parts provided together with this appliance.

## B: PRODUCT INTRODUCTION

### Main Parts



- A: Screws for mounting  
 B: Manifold  
 C: Sediment filter cartridge  
 D: Pre Carbon cartridge  
 E: UF hollow fibre membrane cartridge

- F: Post Carbon cartridge  
 G: PE tube  
 H: Drinking faucet  
 I: Quick connector  
 J: ee-joint

## Box Contents

This product is shipped in one carton box, consisting of the following components:

1. 1 under-sink drinking water system with 4 cartridges
2. 1 coil ¼" PE tubing for inlet and outlet
3. 1 set of drinking faucet and accessories
4. 1 tee-joint with valve and quick connector
5. 1 set of screws for mounting
6. 1 booklet of User's Manual

## Product Specifications

Model	MU1649-4
Dimensions	350 (W) x 106 (D) x 340 (H) mm
Filtration flow rate	2.3L/min @ 4 bar
Water pressure	1.5 - 4 bar
Water temperature	5-38°C

## C: INSTALLATION

### Connecting Tubing

This system includes push-in quick connectors for quick tubing connection. Read the following instructions before connecting the tubing in the next steps.

#### Cut tubing to a suitable length

- Use a sharp cutter to cut the end of tubing. Always cut the tubing square.
- Inspect the end (about 30 mm) of the tubing to be sure there are no nicks, scratches or other rough spots. If needed, cut the tubing again.

#### Connect the tubing

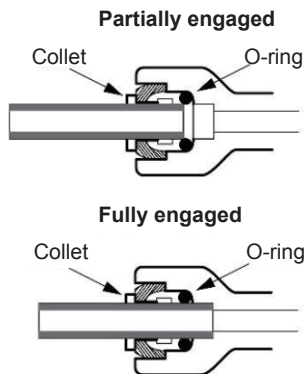
Push tubing through the collet until it engages the o-ring. Continue pushing until the tube bottoms out against the back of the fitting. A common mistake is to stop pushing when the tubing partially engages the o-ring. This will lead to future leakage. When fully engaged, 20 mm of the tubing has entered the fitting.

#### Disconnect the tubing (when needed)

- Push the collet inward with finger tips and hold it.
- Pull the tubing out.

#### Diverting Water Supply

Check and comply with local plumbing codes. Close cold water supply valve, insert the tee-joint and push the inlet tubing into the quick connector of the tee-joint. Apply white Teflon tape on the threads at the connection when necessary. A typical installation is show below.



### Installing Drinking Faucet

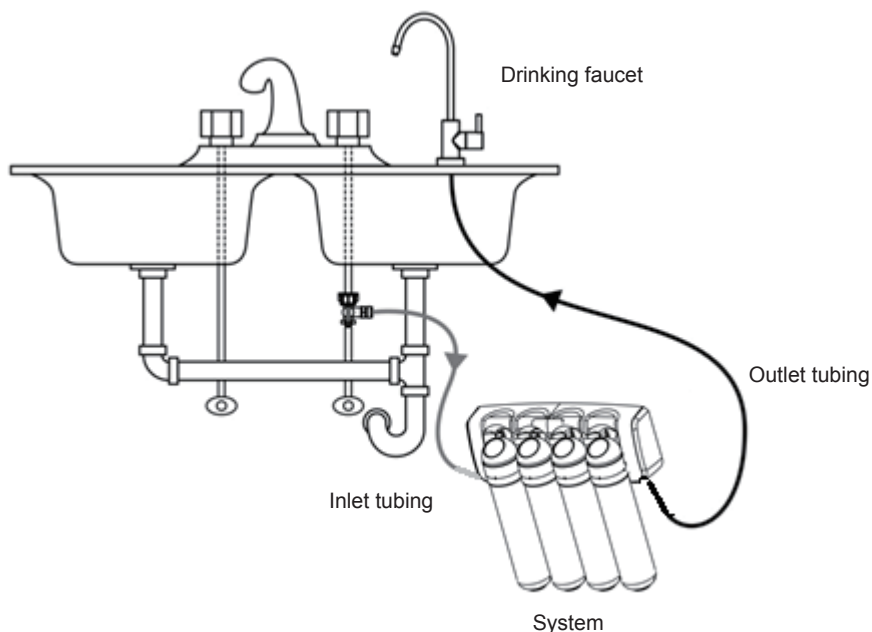
1. Drill a hole with a diameter of 15 mm through one of the following options of flat horizontal surface. Be sure there is room in the under-sink compartment below so that you can make the necessary connections and house the System.
  - Corner of the rim of the sink
  - Counter-top next to the sink
2. Line up and connect the drinking faucet and its components as shown on the right. Ensure full tightening.
3. Ensure that the faucet base lies flat against the surface at the selected location.
4. Push the outlet tubing into the quick connector. Refer to Connecting the Tubing for details.

### Mounting the System

1. Fix the bracket to the manifold of the System.
2. Mount the System vertically onto a vertical surface in the under-sink compartment.
3. Hang the unit on the hanger washers. Ensure a minimum height allowance of 40 mm below the cartridge to enable easy cartridge replacement in future.

### Connecting To Water Supply

Connect the drinking faucet to the System using the outlet tubing, and connect the System to the water supply using the inlet tubing. For ease of service and maintenance, keep sufficient length of tubing for easy movement of the System in the under-sink compartment.



## D: USING THE PRODUCT

### Start-up

#### Purging the system and checking for leakage

Turn on the drinking faucet and let water flow through the system for 5 minutes. Meanwhile, check connections for water leakage, and correct leakage should any be found.

The system is ready for use upon completion of the purging action.

### Dispensing Drinking Water

To dispense drinking water from the System, turn on the drinking faucet and let water flow through the System.

### Cartridge Replacement

1. Lift up and twist the cartridge clockwise to release it from the manifold. Discard the expended cartridge.
2. Install a new cartridge by twisting it anti-clockwise and pushing it up against the manifold at the same time.
3. Perform purging as described in Start-up before resuming usage.

## E: MAINTAINING THE PRODUCT

1. To ensure good drinking water quality, it is strongly recommended that cartridge replacement is performed promptly when the cartridge has reached its full capacity, whichever takes place earlier.
2. Perform purging as described in Start-up after prolonged period of non-usage, such as 3 days.
3. If the system will not be used for more than 7 days, it is highly recommended to remove and store the cartridge in a refrigerator (non-freezer compartment). To resume usage, install the cartridge back into the System (see Cartridge Replacement) and perform purging (see Start-up).

## F: TROUBLESHOOTING

Issue	Possible cause	Corrective action
Slow dispensing of drinking water	Feed water pressure not within specifications	Increase water pressure
	Cartridge clogged with sediments or fouled prematurely	Use new cartridge
Chlorine taste/odour in the drinking water	Cartridge fully expended	Use new cartridge
Other taste/odour in the drinking water	Cartridge clogged with sediments or fouled prematurely	Use new cartridge
	Cartridge fully expended	Use new cartridge

## G: GENERAL TERMS AND CONDITIONS OF WARRANTY

1. This Limited Warranty excludes any product that has not been purchased as new and unused.
2. The Limited Warranty is only applicable in the country where the Product was originally purchased. The official receipt for the purchase of the Product from authorized dealer, together with the serial number of the Product, must be produced to authorized dealer in the country of purchase, in order to claim under the Limited Warranty. In order for the Limited Warranty claim to be valid, the official receipt must be legible and must be issued by authorized dealer in the relevant country, and the date of purchase must be stated clearly on it.
3. This Limited Warranty shall apply to manufacturing defects for a period from the date of purchase from authorized dealer ("Warranty Period"). This Limited Warranty is applicable for domestic/household/non-commercial/non-industrial use only, and liability is limited to repairing and/or replacing of the defective Product only. Without prejudice to the generality of the foregoing, this Limited Warranty does not entitle the purchaser to any refund or to any compensation for loss or damage resulting from purchase or use of the defective Product or otherwise.
4. This Limited Warranty is not a guarantee or promise relating to the quality or fitness for any particular purpose, or the nature of the material, workmanship or performance of the Product.
5. To the extent permitted by applicable law, this Limited Warranty is valid only for the original purchaser of the Product and is not transferrable.
6. The following are not covered under this Limited Warranty:
  - a. Damage due to intentional or reckless act, misuse, negligence, abuse or failure to follow normal operating procedures or abide by any prohibitions or warnings as outlined in this User Manual, including without limitation as a result of use with hot water exceeding 40°C.
  - b. Damage due to unauthorized repairs, modifications, or dismantlement.
  - c. Damage due to the introduction of acid or alkaline solution.
  - d. Damage, loss, defects or malfunction as a result of act of God, fire, flood, natural disasters, civil unrest, theft, or animal or insect infestation.
  - e. Normal wear and tear or natural deterioration or stains.
  - f. Corrosion or rust as a result of misuse.
  - g. Commercial/industrial use of domestic/household/non-commercial/non-industrial models.
  - h. Product with its serial number removed, defaced or altered in any manner whatsoever.

**Please retain the product serial number and the official receipt for the purchase of this product for warranty claim. No warranty registration is required.**