

# 7 STG RO WATER PURIFIER

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## **Welcome to Al Qaser Water Equipment Trading.**

At Al Qaser Water Equipment Trading, we are passionate about delivering pristine, clean water to our customers. Specializing in advanced water filtration solutions, we offer a comprehensive range of high-quality water filters designed to meet the diverse needs of residential, commercial, and industrial clients.

Our mission is to ensure every drop of water you consume is of the highest purity and safety. By leveraging cutting-edge technology and innovative filtration systems, we provide effective solutions that remove impurities, contaminants, and odors, enhancing both the taste and quality of your water.

At Al Qaser Water Equipment Trading, our dedicated team of experts is committed to guiding you through the selection and installation of the perfect water filtration system for your specific requirements. We pride ourselves on our exceptional customer service and support, ensuring that you experience the best in water purification technology.

Experience the difference with Al Qaser Water Equipment Trading—your trusted partner in achieving clean, healthy, and great-tasting water.

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➤ **In the UAE, using filtered water is particularly important for several key reasons:**

**1. Quality and Safety:**

- **High TDS Levels:** The tap water in the UAE often has high Total Dissolved Solids (TDS) levels, which can affect taste and quality. Water filters help in reducing TDS and removing harmful contaminants.
- **Contaminants:** Despite being treated, municipal water can still contain impurities like chlorine, heavy metals, and microorganisms. Filtration ensures that these contaminants are effectively removed, providing safer drinking water.

**2. Health Benefits:**

- **Preventing Health Issues:** Filtering water can help prevent health issues such as gastrointestinal problems, skin irritation, and long-term health concerns associated with contaminants.
- **Improved Taste and Smell:** Filtered water often tastes better and has a neutral odor, making it more pleasant to drink and use in cooking.

**3. Environmental Impact:**

- **Reducing Plastic Waste:** By filtering water at home, you can reduce reliance on bottled water, which helps decrease plastic waste and the environmental impact associated with plastic production and disposal.

#### **4. Economic Benefits:**

- **Cost-Effective:** Investing in a water filtration system can be more economical in the long run compared to constantly purchasing bottled water. It also reduces the need for frequent maintenance or replacements of appliances affected by hard water.

#### **5. Supporting Appliance Longevity:**

- **Preventing Scale Build-Up:** Filtering water helps to reduce scale build-up caused by hard water, which can prolong the life of appliances like kettles, coffee makers, and dishwashers.

#### **6. Adapting to Climate:**

- **Climate-Driven Water Quality:** The UAE's arid climate can influence water quality due to factors like evaporation and increased concentration of minerals. Filtration systems help address these issues by providing consistent water quality.

#### **7. Compliance and Standards:**

- **Meeting Personal Standards:** Many residents and businesses seek water that meets higher personal or international standards than those provided by municipal sources, and water filtration systems help achieve this.

In summary, using filtered water in the UAE enhances safety, health, and taste while offering economic and environmental benefits. It's a proactive choice for ensuring access to clean, high-quality water in a region where water quality can vary significantly.

## ➤ 7-Stage RO Water Purifier



**An 7-stage RO water purifier is a sophisticated water filtration system designed to provide high-quality, purified drinking water through a multi-step purification process. Each stage is engineered to address specific contaminants and impurities, ensuring the delivery of clean, safe, and great-tasting water. Here's a breakdown of the six stages:**

### **1. PP Sediment Filter**

- **Description:** The PP (Polypropylene) Sediment Filter is designed to capture and remove larger particles such as sand, dirt, and rust from the water. It prevents these particulates from clogging or damaging downstream filters and components.

### **2. CTO Cartridge**

- **Description:** The CTO (Chlorine, Taste, and Odor) Cartridge is an activated carbon filter that effectively removes chlorine, chloramines, and other organic compounds that can affect water taste and smell. It enhances the flavor and reduces chemical contaminants.

### **3. GAC Cartridge**

- **Description:** The GAC (Granular Activated Carbon) Cartridge utilizes granular activated carbon to adsorb chlorine, volatile organic compounds (VOCs), and other impurities. It improves water taste and clarity by eliminating odors and harmful chemicals.

#### 4. Post Carbon Cartridge

- **Description:** The Post Carbon Cartridge is a final filtration stage using activated carbon to remove any residual tastes or odors left after the main filtration processes. It ensures the water is clean, fresh, and pleasant to drink.

#### 5. Mineral Cartridge

- **Description:** The Mineral Cartridge reintroduces essential minerals like calcium and magnesium into the purified water. This step enhances the water's taste and nutritional value, ensuring it's not only clean but also balanced and healthy.

#### 6. Membrane Filter

- **Description:** The Membrane Filter, typically a Reverse Osmosis (RO) membrane, is a semi-permeable barrier that removes dissolved salts, heavy metals, and other contaminants from the water. It provides high-level purification by allowing only pure water molecules to pass through while rejecting impurities.

#### 7. UV light

- **Description:** Purification device that uses ultraviolet light to disinfect water. It works by exposing the water to UV radiation, which disrupts the DNA of harmful microorganisms, such as bacteria and viruses, rendering them unable to reproduce and cause disease.



This method is effective, chemical-free, and helps ensure that the water is safe to drink without affecting its taste or quality.

These components work together to deliver clean, safe, and great-tasting water through a multi-stage filtration process.



**EVERY 3 – 4 MONTHS HAVE TO DO THE SERVICE.**





**THANK YOU!**

AL QASER