

MODEL: RO 400

Description

The **RO400** range is a light commercial reverse osmosis water purification systems that provides a high capacity with a low cost. It utilizes state of the art technology and components to provide you with safe, good quality and refreshing water.

The **RO400** meets all the water quality needs in terms of the removing odour, taste, chemical contaminants whilst guaranteeing fresh supply of water throughout. It also reduces the following hard water contaminants that may be present in your water; lead, copper, barium, chromium, mercury, sodium, cadmium, fluoride, nitrite, nitrate and selenium.

This system has been designed small in size but big in performance.



Standard Features

- ✦ 5 Stage Filtration System
- ✦ Daily capacitance of up to 1514 litres per day- based on 500mg/l feed – varies according to local conditions
- ✦ 41.6 Litre, Corrosion Free Plastic Water Storage Tank with Tank Ball Valve
- ✦ FDA Approved Polypropylene Made Flat Cap Housings
- ✦ Two High Rejection Membranes
- ✦ Booster Pump; 24V with 230Vac 50Hz adapter
- ✦ Build in Electrical Shut-off Valve to prevent any damage of the membrane
- ✦ Self Piercing Saddle Valve & Feed Water Quick Connector
- ✦ Drain Saddle Valve
- ✦ Attractive Long Reach European designed , Model 101 Faucet



Application

The **RO400** are ideal for residential or light commercial applications. These systems can be utilised for small industrial premises, offices, restaurants, shopping centres, schools and hotels.

Dimensions / Weight

| | |
|----------------------|--------------------------------|
| RO unit: | 50cm (L) X 24cm (W) X 80cm (H) |
| Tank: | 40cm (L) X 40cm (W) X 58cm (H) |
| Total Weight: | 45kg |

MODEL: RO400 TECHNICAL INFORMATION

Stage 1 – 5 Micron Spun-polypropylene Sediment Filter

With only 5 Micron Rating, it is effective in removing dirt, rust and sand particles.

Stage 2 – Granular Activated Carbon Filter

It removes 99% of the chlorine and organic chemicals. It provides enhanced reduction of taste, odour and colour.

Stage 3 – Block Carbon Filter

It further removes any organic chemicals. It provides enhanced reduction of taste, odour and colour.

Stage 4 – 2 Pieces Reverse Osmosis Membrane

It consists of 2 pieces of thin film composite (TFC) high quality membrane whereas each piece processes 757 litres per day reaching a production of 1514 litres/ day. It removes the following hard water contaminants that may be present in your water; lead, copper, barium, chromium, mercury, sodium, cadmium, fluoride, nitrite, nitrate and selenium.

Stage 5- Inline Post Carbon Filter

This carbon post filter removes unpleasant tastes and odours in order to enhance the quality of the drinking water. These are NSF approved post carbon to guarantee the taste of water.

Materials of Construction

| Item | Material |
|------------------------------|---|
| Membrane and Filter Housings | 100% polypropylene, NSF Listed material. |
| Inline Post Carbon Filter | Polypropylene housing containing activated carbon |
| Booster Pump | Steel body with Polypropylene pump head |
| Solenoid Valve | Brass |
| Tank | Polypropylene vessel will never rust, chip or dent. Reliable diaphragm design allows for maximum discharge of water |
| Flow Restrictor | 100% polypropylene. No metal to water contact. |
| Connectors & tubing | 100% polypropylene, NSF Listed material |
| Mounting Brackets | Heavy-duty powder coated white steel |