

3M Purification

3M™ Optima Compact

Reverse Osmosis System



The 3M™ Optima Compact Reverse Osmosis system is designed to provide high purity water for residential, commercial and industrial applications. By using the latest reverse osmosis membrane technology the Optima compact produces up to 750 litres of water per day in a compact easy to use system. An installation kit, tubing and tank connections are provided to reduce the need to purchase additional fittings.

NOTE: Storage tank sold separately

The system has been especially developed for production of high purity water for food service equipment, such as combi-steamers, beverage and ice machines.

The 3M™ Optima Compact removes 95% of scale forming minerals and dissolved salts, protecting equipment from damaging scale and chloride corrosion.

NOTE: Drinking water and specialist applications may require additional post treatment.

Applications

- Drinking Water

Features & Benefits

Dual high capacity Reverse Osmosis membranes.

- Economic purified water system up to 750 litres per day.

Installation kit, tubing and fittings

- Complete system supplied as a package (excluding tank)

Compact design

- Footprint and wall mount unit uses minimal space

Non pump model

- Low energy costs as the units uses mains water pressure

Up to 750 litres per day of purified water

- Applications in residential, commercial and industrial markets

1 year warranty and technical support

- Manufacturer's technical service and quality support.

Removes 95% of scale and dissolved salts

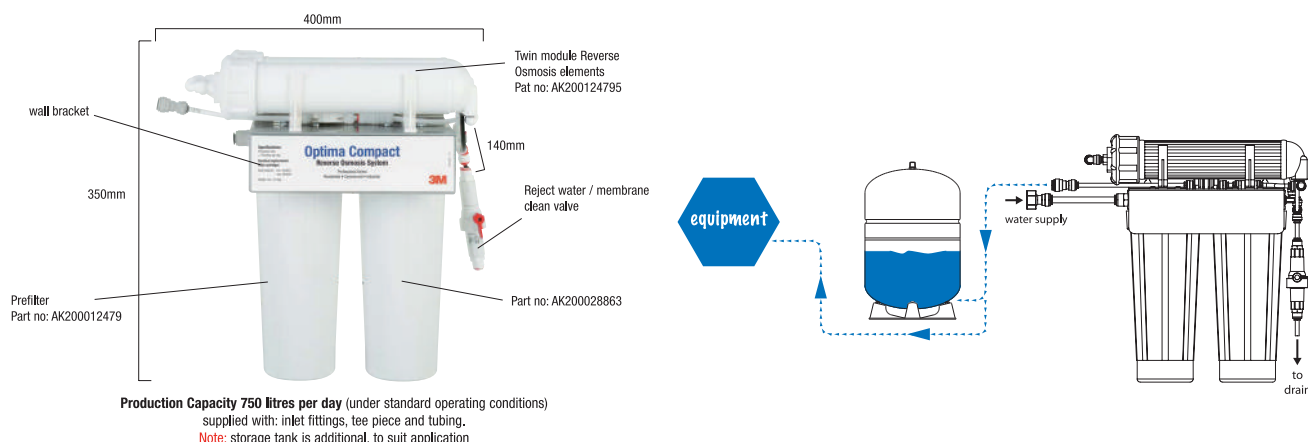
- Protects food service equipment from scale build-up and chloride corrosion

New design reject water and membrane clean valve

- Reduces fittings required and simple operation



Physical Specifications



Feedwater Requirements

Feed TDS	Hardness	Iron (Fe) Sulfide	Hydrogen	Feed pH	Feed Chlorine	Manganese (Mn)	Turbidity	Pressure
<2000 ppm	<350 ppm	<0.1 ppm	Non allowable	4-11	<2 ppm	<0.05 ppm	<1 NTU	350-860 kPa (50-125 psi)

IMPORTANT: Installation Tips

These installation tips are for informational purposes only and are not intended to be used as actual installation instructions.

CAUTION: To reduce the risk associated with property damage due to water leakage:

- Read and follow. Use Instructions before installation and use of this system.
- Installation and use. MUST comply with all state and local plumbing codes.
- Protect from freezing, remove filter cartridge when temperatures are expected to drop below 4.4°C (40°F).
- Do not install on hot water supply lines. The maximum operating water temperature of this filter system is 37.8°C (100°F).
- Do not install if water pressure exceeds 862 kPa (125 psi). As a requirement of the plumbing code, a pressure limiting valve and backflow prevention device must be installed. Contact a plumbing professional if you are uncertain how to check your water pressure.
- Do not install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- The disposable filter cartridge MUST be replaced every 12 months, at the rated capacity or if a noticeable reduction in flow rate occurs.

WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. If system is not used for 2 days or more, flush 5-10 litres of water through before consuming water.

Important Notice

The information described in this literature is accurate to the best of our knowledge. A variety of factors, however, can affect the performance of the Product(s) in a particular application, some of which are uniquely within your knowledge and control. INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING THE SAME WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR USE. IN NO EVENT WILL 3M PURIFICATION BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION. It is your responsibility to determine if additional testing or information is required and if this product is fit for a particular purpose and suitable in your specific application.

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