



GT1-70 Compact Caravan



Compact Caravan RO System with Storage Tank

For a long time there has been a call for a caravan / motor home reverse osmosis system.

In the past we have discouraged these systems from being installed because of excessive vibrations during transit and the potential for leaking or damage to components.

Instead we have recommended using portable RO's that are not used inside but rather outside where if water over flows etc can't cause any damage.

The call recently has been for RO's to be more compact and fully automatic which means they need to be a permanent fixture (installed).

Modern connectors and quality component now make it possible for this to become a reality. We have done away with the removable screw off housings which were notorious for vibrating off in transit.

We have replaced them with fully sealed inline filters, changed all the connectors from the screw-in jaco style, to the new "push connectors" so they cannot work loose or leak, and then finally we made some healthy changes to the finished product.

As you read through the features I'm sure you will agree that finally technology has permitted us to offer a safe (dry) method for producing reverse osmosis water automatically and safely in the confines of your caravan / motor home.

In keeping with its two big brothers (the GT1-26 7 Stage RO & the GT1-70 Shuttle RO) we are pleased to introduce the NEW

GT1-70 Compact Caravan RO

Featuring:

1/ Dimensions:

Weight: 1.59 kgs (Dry)

Length: 34cm

Compressed width: 15cm

Tank height: 34cm

Tank diameter: 23cm

2/ pH neutral final carbon filter, (exclusive) this is a new feature to our RO range. We are all aware that RO water can be, and often does produce acidic water, this is when the pH of the water is lower than 7 pH.

This filter is the final stage before drinking and combines the benefit of coconut carbon for taste and odour with pH neutralising calcite marble, a natural stone that raises pH as the water passes over the stone.

From this we can guarantee you safe pH neutral fresh healthy water.

3/ On the way from the final carbon filter the water passes through GT31-14 Negative Magnetic Treatment field which activates the water for further health advantages.

This has been used in our 6 & 7 stage system for years with rave reviews and stories of great health advantage from people with all sorts of health afflictions from arthritis to cancer sufferers. Perhaps the fact that if the water is fresh and clean they drink more of it, we are open minded to the advantages, but one thing we are sure of is that drinking enough water has never been easier when it's clean and fresh.

We are the leaders in Magnetic Water Treatment System in Australia, exporting our Fluid Reactor Magnetic Systems to 8 countries around the world.

We have not promoted or actively been involved in the Health Industry because of our commitments to our core Water Treatment and Filtration business. However, once again we have been encouraged to build and supply negative Magnetic Water Treatments for human consumption and the evidence has been overwhelmingly positive.

Magnetic energy is widely used in Water Treatment and we helped pioneer this technology in Australia. This inevitably led us to develop and supply a technology called negative defusing technology, meaning that when put in reverse it activates negative energy into drinking water.

So many customers have benefited from this technology, reducing the symptoms of kidney stones and calcification of the arteries, along with so many other advantages in drinking negatively charged water.

4/ **Compact Compact Compact!!!**

We have made this system as compact as possible given the features it offers it's a fantastic space saver. The tank has been reduced from the standard 12Lt capacity down to an 8Lt capacity. It's made of steel so it's impossible to damage, just be sure you have it appropriately strapped in, as full of water it will pack a punch if it gets loose. We called the system the compact for this very reason, we recognise the systems will be used mainly in confined spaces.

5/ Low Pressure Membrane. Probably the most successful membrane ever made. Most membranes including those used in our 6 & 7 stage system only function from 40 psi upwards. In a van situation this means your pump may be working over time cutting in and out. Also many low pressure pumps have trouble maintaining a high enough pressure to make standard membranes work effectively.

The GT13-3LP Low Pressure membrane has been purpose built to operate in low pressure situations from 20 psi to 120 psi. It's the Commando of the membrane world if you like, Because of the extra cost of these membranes we don't use them as our mainstream membrane. However they are purpose built for this particular application and well worth the extra few dollars.

6/ Drain valve

We have been researching and working hard to eliminate the waste water produced from RO systems. Even though waste water is a fact of life with RO's we have managed to reduce waste to 50 / 50 (variable). The drain valve we use is a 200cc valve which helps keep back pressure on the membrane and reduce wastage. Most competitor systems use valves varying from 250 - 400 with a waste water ratio from 2 - 1 to 6 - 1.

7/ Back up service

We build the RO's - we market them - we service them - we know them inside and out! Call us if there are any issues whatsoever! Anytime, anywhere.

8/ Water production

At a constant 45 psi you could expect to produce about 8.30 ltrs per hour, the bottle holds 8 Ltrs so as soon as you extract water from the tank it automatically begins producing and refilling the tank.

9/ Service life of cartridges:

1st Stage Carbon replace every 6 months

2nd Stage membrane replace every 3 - 5 years, (pending water quality)

3rd Stage Carbon Neutralising cartridge replace every 12 months

Note: We realise also that holiday makers come and go, several weeks on the road and several back home so considering the small size of the Compact RO, it's possible to disconnect the system while it's not in use, store the complete system in the fridge ready for the next outing, this will extend the life of the carbon cartridge.

10/ AS Approval

Ordinarily we send our new systems off to a NATA Approved laboratory testing serves for Australian standard approval, however given this system is designed for caravans / motor homes, there are not standards applicable so we don't have the need to testing so these saved costs are passed on to you.