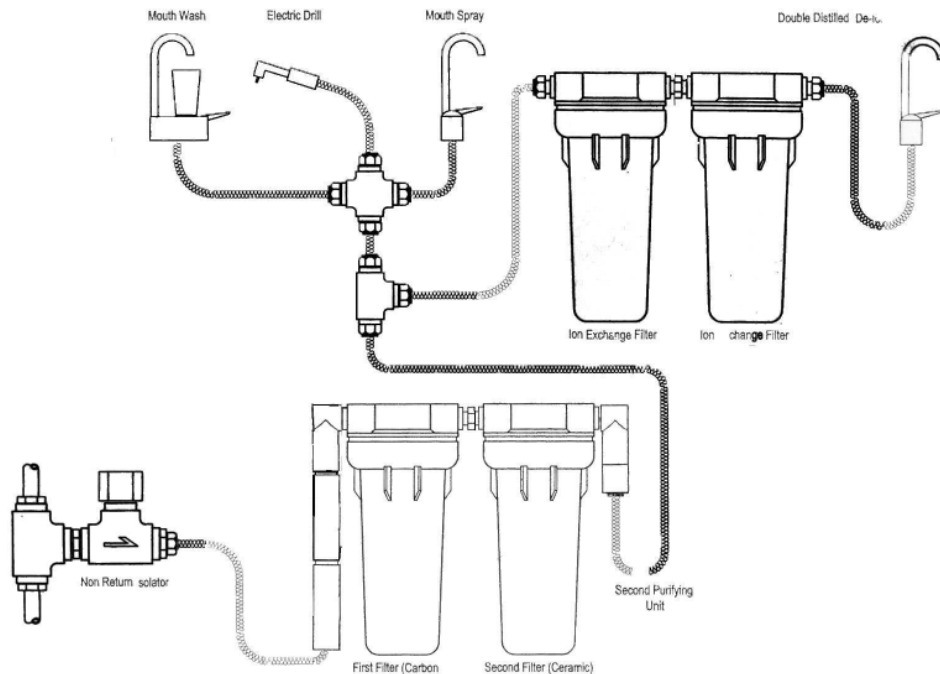


# Dental – Chair & Autoclave water supply unit

## Ω Omega-AgDent Extra™

(Scientific Report & Tests completed)



The ΩOmega-AgDent Extra™ unit will produce Silver Sanitised water and rid Bio-Film forming in Dental Chair lines, it can be optioned to service up to 4 chairs, at a flow rate of 2.5 litres per minute. This unit will also supply double de-ionised water for autoclave use.

It requires no external power supply, no holding or storage tank and will operate on mains pressure of 35 P.S.I. or greater. This unit is normally installed in a cupboard (out of sight) optional convenient touch tap mounted on the benchtop.

Once installed the Omega Colloid Generator [OCG] process introduces trace amounts of silver to sanitise the filter housings and both the carbon and ceramic filter cartridges will remain bacteria-static, until the next demand of supply water is required. The carbon cartridge protects the other filter cartridges as well as removing taste and odour in the event of accidental introduction of contaminants and solids from the water mains. Once through the bacterial ceramic filter cartridge a second Colloid Chamber introduces trace amounts of silver to the chair lines to rid Bio-Film build up and produce pure sanitised water.

This water is ideal for all dental applications even where bottled chairs are used. The Ag Generator system eliminates the need for storage and handling of containers to meet water bottled chair requirements in a practice. Water is available on demand and is produced as required. The unit requires minimal maintenance to provide ultra high quality water, safe for the most demanding users.



## HYGENIC DENTAL EQUIPMENT WATER TREATMENT SYSTEM – Ω Omega-AgDent Extra™

### Specifications:

Basic specifications for Bio-Safe products are listed below. For specifications of other products in the **Agdent**, OFFICE and DOMESTIC range, or a copy of scientific report from Dental Health Services Victoria, in addition to other water quality reports from independent testing authorities, please call our office.

- ⊙ Installation: Is a single procedure of connecting the unit to a mains water supply and mounting the components within an adjoining cupboard. A demand tap is mounted on the bench top near the sink.
- ⊙ Flow Rate: 2.5 litres per minute
- ⊙ Ag Generator: Will treat approximately 7,000 litres. It is a battery powered sealed unit. Indicator light will advise on correct operation and the status for replacement of batteries. Simple screw on/screw off replacement for servicing. Exhausted unit is returned to factory for recycling.
- ⊙ Filtration Cartridges: Areas with treated water:
  - A 5-micron radial flow carbon filter.
  - A 0.4-micron anti-bacterial filter.
  - Two 5-micron ion exchange mixed bed resin cartridges.
- ⊙ Servicing: Requirements will vary on practice size. The following is based on a one-dentist practice:
  - The silver-safe pack will require service by annually.
  - The carbon cartridge should be replaced and the ceramic cartridge cleaned annually.
  - The ion-exchange cartridges with normal use are replaced annually or as required on service calls.
  - Your distributor will arrange contract servicing and advice.

### Applications and Benefits:

- ⊙ Because this system is small and modular it can be fitted into nearly any surgery.
- ⊙ It takes no bench space other than a demand tap mount on the sink.
- ⊙ Unlimited supply to demand (if maintained correctly).
- ⊙ No storage or unsightly bottles.
- ⊙ No lifting of large bottles.
- ⊙ No re-ordering or running out of water problems.
- ⊙ Annual service costs less than bottled water.
- ⊙ May be used for more than one dentist's practice.
- ⊙ No storage tanks.
- ⊙ No external power

### Optional Extras:

For 100% safe healthy drinking water (not de-ionised)

- ⊙ A chilled water unit can be added
- ⊙ A boiling water unit for tea/coffee can be added
- ⊙ power supply option

## The Silver Story

The antiseptic qualities of traces of silver ions have been known for centuries. The Romans used silver jars to store liquid contamination free. American settlers travelling west used silver coins in their milk pots to delay spoilage. In the 1900's silver foil was used extensively as an infection control wound dressing.

Omega International Pty. Ltd. has brought the use of silver as a water sanitiser into the present day with a revolutionary design. The Ag Generator process releases silver ions at trace levels, well below the W.H.O recommended standards for silver in water, killing harmful bacteria. This sanitised water is then filtered to remove the range of chemicals and contaminants that impart to watercolour and unpleasant odours and tastes. The water that results is pure safe and healthy.

The Omega Agdent range of products is tailored to deliver this unique sanitisation and filtration process in units with configurations and flow rates suitable for almost every application.

Continued research will ensure that Omega Water Systems will maintain its leadership in Silver Water Purification Technology.

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