

AlkaWay WATERGUARD

Whole House System

Model selection notes.

1. 3 systems, which one for me?

No1 (without UV) is for town supply installations to take out Chlorine (smell, taste, & breakdown products). They also act as a backup in case municipal water supplies lose quality (eg. system breakdown, or after storms in some areas), and for people who want a choice of their own water quality,

Reduces Fluoride, but won't eliminate it.

No. 2 (with 50 litre UV) is for tank, dam, or bore users with a standard sized 3 bedroom house / average water use.

No.3 (with 100 litre UV) is for tank, dam, or bore users with large house / above average water use.

UV light kills bacteria, viruses, algae, moulds, yeasts, and water micro organisms (like Giardia & Cryptosporidium) which are too small to be physically filtered out.

For UV to work efficiently we need a high quality membrane filter system to clean up the water first, so the bugs don't get shielded from the killing UV rays by particles in the water. So we run water thru filters first & UV second.

3. Customers should budget on 2 sets of filters per year (cost \$113.30 retail, set of 3), and be encouraged to wash out the pleated Pre Filter to extend the life of the other 2 filters. Our pressure gauges let them know when to do a filter wash / change, with a significant pressure differential. (A full set of filters is onboard with purchase, and a second washable Pre Filter is currently FREE with purchase-- and this means people on tank water just replace the Pre Filter with the second one, turn their system back on , and have water pressure again to clean the dirty filter.

The first filter takes the first hit of the water, and filters out particles to 5 micron sizing, and this filter is washable and reusable.

The second filter is a 5 micron activated block carbon, which removes odours, taints, smells, pollutants, and chemical toxins. The last filter, 1 micron, removes any remaining fine sediments, and some large micro organisms, and "cleans" the water for optimum sterilizing results via the UV lamp.

4. The UV lamps last 12 - 18 months (replacement cost 50 litre \$129.80, 100 litres \$149.60, retail).

A red warning light replaces the green one on the ballast, and an audio alarm sounds when UV lamps are not working). For easy replacement , allow 1m free access to the left hand side of the installation for drawing the UV lamp out.

The lamp only requires single phase power, and only draws as much current as 55w, or 110w globe.

5. All WaterGuard units are designed for minimal pressure drop thru the filters: even customers on gravity feed systems can use the WaterGuard as long as they have sufficient water pressure for a good shower.

Systems are tested to 120psi, but for long lifetime we recommend the installation of a PLV, if water pressure is likely to exceed 80psi. (See yellow sticker on blue filter housing).

6. Water valves are standard 1" watermark.

7. The red buttons on top of the filter housings are small pressure relief valves to vent air at installation, and water when customer goes to change a filter.

8. WaterGuard systems are all supplied fully assembled on a mounting board, and housed in an aluminium case which hooks over the top of the wall mounted board, by way of three tabs, at the top of the outer case. Installation, maintenance, and warranty info is contained in the manual supplied, and a filter wrench is provided.

9. The WaterGuard is not a hard water conditioner as such, and will only remove mineral sediment in this regard. (We are close to offering a proven water magnet option to handle the problem of scale buildup, and Ca & Mg scum associated with hard water.)

