



Residential



# HWC-Home Series™

UV-Guard's unique WaterMark certified hard water conditioner (HWC) for the home – the sustainable alternative to a conventional water softener.

## Does your home have a hard water problem?

Water hardness is most commonly caused by dissolved Calcium and Magnesium minerals. You may have a hard water problem in your home water supply if you notice any of the following tell-tale signs:

- Drinking water tasting or smelling funny
- Toilet bowl, sinks, showers and bath staining
- Scaling on all water outlets
- Soap scum in the bathroom and kitchen
- Spots on dishwasher cleaned glassware and dishes
- Loss of pressure in shower heads and unable to wash off soap or create sufficient lather
- Dry skin, irritation and dandruff after bathing or showering is caused by dissolved Calcium and Magnesium minerals.



Drinking Water



Warm Water & Legionella



Residential



Aquatics



Agriculture & Horticulture

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## The UVG HWC-Series

Unlike conventional water softeners, the HWC-Series produces soft water whilst requiring:

- No electricity
- No salts
- No resins
- No magnets
- No backwashing
- No maintenance

## How it works



1. Hard water enters the HWC.
2. Water is exposed to the internal surface of the HWC. The integral hydraulic design combined with the chemically-specific material of the conditioner activates an electro-chemical reaction.
3. The minerals within the hard water begin to lose their scale producing properties due to changes in their molecular arrangement.
4. 'Hard' minerals are changed from large molecules to inactive microscopic particles, which flow freely, unable to stick to surfaces and cause scaling.

## Benefits

- ✓ **Installed inline within pipework** – small footprint, no tanks required
- ✓ **24/7 operation** – no backwashing or resin regeneration to interrupt treatment process
- ✓ **No added salt (sodium chloride) or other chemicals (potassium chloride)** – no health concerns or environmental damage due to high salt water content (brine)
- ✓ **Nothing is removed from water** – vital minerals for human health are maintained unlike with RO systems
- ✓ **Maintenance and power free** – no operational costs
- ✓ **Multiple models available** – to suit specific hard water conditioning needs and existing pipework size

## Applications

- ✓ **Washing machines** – use softer water to produce softer, more comfortable laundry
- ✓ **Dishwashers** – no more hard water spots on newly washed glassware and dishes
- ✓ **Showers** – wash in softer water for less skin irritations and cleaner hair
- ✓ **Swimming Pools** – reduce chemicals required, remove scale build up on pool walls, increase life of pool pumps, reduce backwashing
- ✓ **Entire home plumbing** – remove existing scale (descale) within all pipework and protect heating elements in all home appliances



## Specifications

Model	Application / Average Flow Rate	Inlet / Outlet Connections	Material
UVG HWC-S	Shower	½" BSP male or female	316 SS
UVG HWC-HA	Home appliances	¾" BSP male or female	316 SS
UVG HWC-HP	Home swimming pool	2" Flexible coupling	PVC
UVG HWC-1	18 Lpm	¾" female BSP	316 SS
UVG HWC-2	34 Lpm	¾" female BSP	316 SS
UVG HWC-3	56 Lpm	1" female BSP	316 SS
UVG HWC-5	90 Lpm	2" female BSP	316 SS