

Whole Home Water Descaler

Your Best Scale Prevention Solution

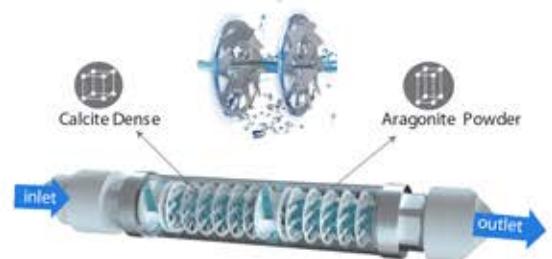
The AquaFlow Hard Water Descaler / Conditioner is able to prevent the calcium and magnesium minerals in water from creating build-ups and scale deposits using DPSE technology (Dynamic Physical Scale Elimination).



How it works

1. Hard water enters the stainless steel chamber
2. The existing scale structured as Calcite is transformed to Aragonite, reducing scale build-up and minimizing the mineral particles you may find on surfaces that the water touches
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 to cause scaling.

DPSE ion polarization system with pure physical descaling



- Drinking water tasting or smelling off
- Toilet bowls, sinks, showers and bath staining
- Scaling in all water outlets
- Soap scum in the bathroom and kitchen
- Spots on dishwasher cleaned glassware and dishes
- Loss of pressure in shower heads
- Unable to wash off soap or create sufficient lather

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



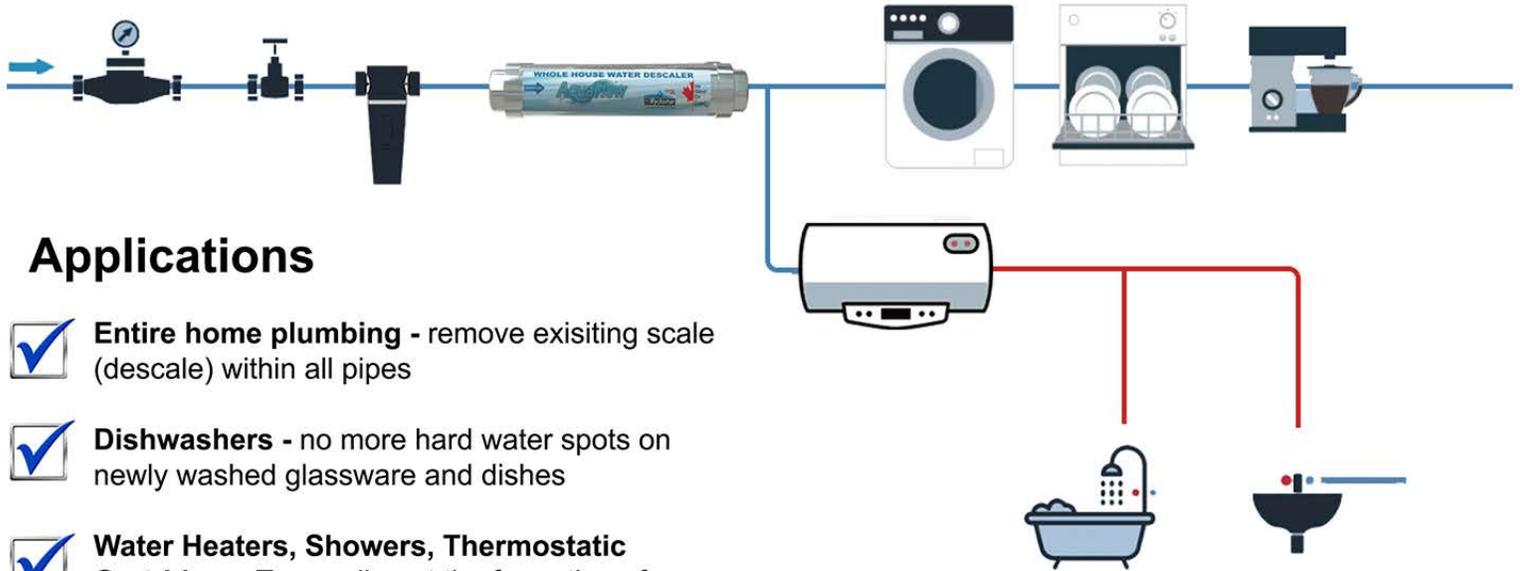
Hot Water
 Appliances



Residential
 Whole Home



Water
 Heater



Applications

- Entire home plumbing** - remove existing scale (descale) within all pipes
- Dishwashers** - no more hard water spots on newly washed glassware and dishes
- Water Heaters, Showers, Thermostatic Cartridges, Taps** - disrupt the formation of limescale crystals on them



Ion Polarization System

Unlike conventional water softeners, the AquaFlow Descaler produces soft water and requires

- No Electricity
- No Salts
- No Backwashing
- No Magnets
- No Resins
- No Maintenance

Benefits

- Installed inline within pipework** - small footprint, no tanks required.
- 24/7 Operation** - no backwashing or resin regeneration to interrupt the treatment process.
- Uses no salt (sodium chloride) or other chemicals (potassium chloride)** - it does not need salt to condition water. This makes a salt-free water conditioner the best option for people concerned about sodium levels in drinking water and excessive salt water in the environment.
- Nothing is removed from the water** - vital minerals required for human health are maintained in the water.

Product Name	AquaFlow Whole House Water Descaler
Product Model	AF00001
Scaling Principle	Pure physical ion polarization
Inlet & Outlet	DN20 / 3/4" In., DN25 / 1" Out
Chamber Material	304 Stainless Steel
Installation Method	Horizontal or Vertical
Water Quality	Municipal tap water
Plumbing Pipe	CPVC / PVC / PEX / copper / PPR
Application Pressure	0.15 - 1 MPa / 22 - 145 psi / 1.5 - 10 bar
Temperature Range	5 ° - 100 °C / 41 ° - 356 °F
Rating Flow Rate	4 m³/h / 67 LPM / 17 GPM
Min. Lifetime	10 Years
Product Size	255 mm / 10" x 54 mm / 2-1/8"
Recommended Water Properties	
pH	6.5 - 8.5
Hardness	< 25° DH / 425 mg/L / 1.46 gpg
TDS	< 1000 ppm
Iron (Fe)	< 2 mg/L
Turbidity	< 1 NTU