

STATEMENT OF QUALIFICATIONS

HydroFLOW USA, headquartered in Redmond, WA, is the exclusive U.S. distributor of the unique HydroFLOW water conditioners that are powered by the patented Hydropath technology. These environmentally-friendly devices have been distributed throughout the world for many years, but only recently entered the U.S. market. Over twenty years ago, Hydropath Technology Ltd., located in the U.K., invented a process that treats fluids by inducing a robust yet harmless signal of $\pm 150\text{kHz}$ throughout plumbing systems made of any material. The pipe, and/or the fluid inside of it, acts as a conduit which allows the signal to propagate. The induction of the signal prevents scale and biofilm from accumulating inside plumbing systems and gradually removes existing deposits. This preventative action significantly reduces energy, chemical, water and maintenance costs which extends the service life of equipment and pipes.

Additional benefits of HydroFLOW

In addition to treating scale and biofilm problems, HydroFLOW water conditioners can enhance filtration efficiency and significantly reduce corrosion in plumbing systems. It is important to note that the devices are nonintrusive and do not change the chemical composition of the fluid in the plumbing system.

What sets HydroFLOW apart from other water conditioning technologies?

Other products such as permanent magnets, electromagnets, wires coiled around pipes, etc. state they effectively treat scale and/or biofilm. These products are limited in their effect compared to HydroFLOW. Primarily, this is because they have a very weak signal, depend on flowing water, treat the scale and biofilm at a single point and their effect begins to decay as soon as the fluid passes the unit.

What are the applications for HydroFLOW?

Popular residential applications include water heaters, pools, spas, appliances, swamp coolers and wells. Commercial and industrial applications include steam boilers, cooling towers, heat exchangers, pools, water features and filtration systems. Additional applications and markets our technology benefits include irrigation systems, municipal potable water systems, aquaculture, reverse osmosis systems, golf courses and parks, wastewater treatment plants, shipboard water systems, mining and construction.

HydroFLOW FACTS

- ✓ Accepts 87 to 240V AC, single phase
- ✓ Designed for service life of over 10 years
- ✓ Eliminates and/or optimizes chemical usage
- ✓ Averages \$10 per year in electricity to operate
- ✓ Easy to install; non-intrusive to plumbing systems
- ✓ Little maintenance required; the unit has no moving parts
- ✓ Reduces energy consumption in heated/chilled water systems
- ✓ Conveniently integrates into existing or new water system designs
- ✓ Typical Return On Investment for most applications is between 1-2 years
- ✓ Eradicates bacteria and algae by **up to** 99.99% in recirculating water systems
- ✓ Helps meet government reduction mandates for energy, chemical and water usage
- ✓ Inhibits metal oxidation by **up to** 65% and greatly reduces microbial induced corrosion
- ✓ Does not come in contact with the fluid being treated; exempt from MSDS requirements



Agriculture

When used in overhead irrigation systems, *HydroFLOW* reduces scale on crops, improving the quality, value and yield as well as decreasing water and chemical usage.



Pools and Spas

Dramatic improvement in water clarity, scale build-up and chemical consumption, which decreases the chlorine smell and eye irritation.



Wastewater

The award winning *HydroFLOW* water conditioners can significantly reduce struvite build-up, decrease polymer usage and increase cake dryness.



Holding Ponds

Control of algae blooms in agricultural and industrial applications.



Foodservice

Recognized by the National Restaurant Association as an innovative technology which improves the "back of the house" operations and benefits foodservice operators.



Cooling Towers

Maintains cooling systems within industry standards while reducing chemical and water usage.



Company and Product Information

Manufactured in the United Kingdom

DUNS #: 067313301

NAICS CODES: 423720 Water softening & conditioning equipment merchant wholesalers
 423830 Industrial machinery and equipment merchant wholesalers
 326191 Plastics Plumbing Fixture Manufacturing
 332919 Other Metal Valve and Pipe Fitting Manufacturing

PSC: 4510 Plumbing fixtures and accessories
 4610 Water purification equipment

Safety Approval:

Europe and Worldwide: IEC51010-190+A1:92 +A2:95~EN61010
 Tested to CENELEC National Requirements
 USA and Canada: UL3101-1 CSA22.2 No: 1010.1-92

CSA Certification and CB Test Certificate:

In accordance with the International (IEC) and UL/CSA standards listed above.

International Standard: ISO 9001

Operating Temperature:

-20 to + 50°C (-4 to 122°F)

Maximum Relative Humidity:

Max 80% up to 31°C (87°F)
 decreasing linearly to 50% RH at 40°C (104°F)

Input Voltage:

87-240V AC

Current Draw:

<1 Amp

Input Frequency:

47-69 Hz

Water and Dust Protection IP Rating for Industrial Models:

IP68 IEC 60529 (NEMA 6P)

Built-in EMI Filter Meets:

FCC 20780 Class B

VDE 0871 Level A