



## HD HOME SERIES DESCRIPTION AND INSTALLATION

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### General:

The Natural Action Heavy Duty Home series is designed for inline installation for light commercial applications and can be used for homes, small pools, or any other plumbing utilizing 1" piping and down. The compact design makes it easy to install in applications where linear space is limited. The robust design will provide many years of maintenance free service. It comes STD with ¾" or 1" NPTF fittings and uses the same core technology as our residential Whole House Unit.

### SPECIFICATIONS: 2" SCH 80 PVC and integral adapters

- For Use With: Drinking Water, Water
- Maximum Temperature: 140° F
- Assembled from Parts Specifications Met: ASTM D1784, ASTM D1785, NSF/ANSI Standard 61 for Drinking Water
- Pipe for drinking water meets NSF/ANSI Standard 61

NO SERVICE IS REQUIRED; 10 YEAR WARRANTY AGAINST DEFECT

### UNIT INSTALLATION INSTRUCTIONS:

Cut existing pipe to appropriate section length by measuring unit end to end length with fittings installed and fully tightened. Due to the wide variety of different piping systems, units come with universally adaptable NPT female fittings. The appropriate adapter fittings must

be provided by the installer and installed and tightened to properly achieve this measurement. \*Installation by Professional Certified Plumber required, or warranty and associated water damage liability may be void.

\*Install on main home (recommended) or cold-water lines only

\*Do not expose to direct sunlight or freezing temperatures

Fittings may be included with your unit if you specified exact piping design of your home and placed a special order for them. It is usually better for the qualified installer to choose the correct fittings.

One end of the piping must be freed to move in the longitudinal direction if unions are not installed. \*Consult with a professional or qualified person for your particular installation.

\*Do not use Teflon tape for plastic threaded applications. We recommend HERNON Self Sealer 615, or equivalent. It works much better than “pipe dope” or pipe tape.

If necessary, make sure the unit is supported and mounted appropriately, as it is heavy enough to stress some piping systems. Use proper pipe clamps to support on the body or near the ends of the connected piping.

The unit does not have a direction of flow; however it has flow arrows to help identify flow direction of the system. Install arrows in direction of flow according to the system. It will still function properly if installed backwards in relation to the existing system flow.

## INSTALLATION TIPS FOR BEST RESULTS

- Locate the unit as close to the final water application (point of use) as possible
- Install after pumps, filters, other ionizers etc.

The unit may cause significant initial purging of scale and other deposits within the system, depending on the level which is deposited. This may make a milky appearance in the water for a few days, as the pipes are cleaning. It will go away over time. A system purge and flush for a significant period of time may be beneficial immediately after installation in older systems, especially in 'harder water' applications.

Strainers may need serviced during this time, including washing machines and faucets, depending on the level of build up and type that exists.

## DESCALE: HEATERS/BOILERS/HEAT EXCHANGERS/NOZZLES

Heaters should be flushed prior to installation if unit is installed before the heater as typical.

For Whole House applications it is desirable to install on the main feed line, after the water meter and before the heater as to treat both the hot and cold supply water for the entire home.

Descaling is not the primary function of the device, but an added benefit of improving the water quality. This device, in certain situations, can be remarkably effective in descaling and scale prevention. Adding a 'magnetic unit' around the pipe in addition to this

unit can increase the scale prevention but is not recommended in biological related applications unless that is the main reason for installing the unit.

## BIOLOGICAL APPLICATIONS

The primary purpose of the device is to make healthier water as measured through biological response, known technically as functional water, and has been verified through UV spectroscopy and Crystal Microscopy, which are indicators.

Agriculture applications can benefit in Brix quality, water reduction, and or increased biomass. Reported figures are typically 10-20%.

Swimming pools can benefit from reduced chlorine and softer water feel. When coupled with copper electrolysis, many people operate their pools or spas free of any chemical use.

Significant reduction in chemical use of soaps, detergents, fertilizers along with suppression of molds and other fungus are common. Improved water quality throughout the home can be expected.

This unit is made from NSF 61 parts throughout and acceptable to use for drinking water and as an adjunct method of treating water.

## FILTRATION

This technology is a passive ionizer, as reflected in increased phosphorescence and high voltage witness testing. It is not a mechanical filter. Natural Action Technologies sells some of the highest quality filters (Multi-pure Carbon Block) Visit [Naturalaction.com](http://Naturalaction.com)>Products>High Quality filters

Do not install this filter on hot water lines; custom CPVC units are available

If you have any questions or concerns, please contact customer service at 928-567-6466. Our Warranty Information has been provided with your shipment.

Thank you for your innovation and support!