

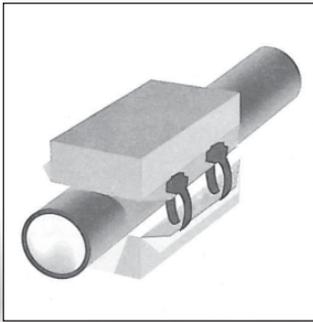
# ENEFLOW<sup>®</sup>

## Fluid Dynamic Power Cells

### Using ENEFLOW<sup>®</sup> 1000

**PLEASE READ THESE INSTRUCTIONS CAREFULLY PRIOR TO USE**

ENEFLOW<sup>®</sup> 1000 Fluid Dynamic Power Cells are supplied as pairs. These are installed around a pipe as per the diagram below:



The ENEFLOW<sup>®</sup> 1000 Power Cells are designed to be used on all types of pipes (copper, brass, galvanized, PVC, etc.) up to 1.75 inch outer diameter.

The Power Cells should be installed on a clean, straight section of pipe. Any insulation must be removed to expose the pipe. Once the Power Cells have been installed, the pipe can be safely re-insulated (cocooning the Power Cell installation).

The best place to install the Power Cell at home is on the main water line at least 2 feet downstream of the water meter (if there is one) or if you use well water, after the pressure tank.

Note: The Power Cell is coated to protect it from the elements. It can also be used outdoors.

Installation of the Power Cell on the main water line will effectively protect your boiler and hot water heater from scale accumulation and it will also provide protection to cold water pipes in your home. For added protection, you should consider installing the Power Cells on the hot water line exiting the water heater, 2 to 4 feet away from the heater unit.

This will insure that all hot water pipes in your home also receive protection. Installing the Power Cells will also insure that dishwashers and washing machines operate at peak performance with no scale problems. Your water will 'feel softer', look cleaner and taste better. You should also install the Power Cells on the fuel oil line feeding your boiler and/or water heater. It will provide for more complete combustion of the fuel oil, minimizing carbon build-up and providing for improved burner efficiency.

**The Power Cells should be kept 2 feet from all appliances, motors, electrical equipment, etc.**

**People with heart pacemakers should not handle the Power Cell - the magnetic field may interfere with the pacemaker's operation.**



**The Power Cells should be secured firmly around the pipe using the self-locking plastic straps provided. The Power Cells should be orientated with the fluid flow direction as per arrows on the units.**

Where large storage tanks or storage vessels are involved (static fluid conditions), the Power Cells should be installed on the output side of the vessel for best results. If the vessel itself requires treatment then a recirculating loop should be considered.

In oil field applications, typical problems include paraffin build-up, and / or mineral scale build-up. These problems can be effectively controlled with a proper Power Cell installation.

High pressure boiler applications where super-saturated steam is used are not good applications for this system.

Process steam (not recirculated) is a good application for the main boiler feed line. Best results have been obtained on continuous flow units as opposed to reservoir types.

Low pressure, recirculating steam systems (steam passes through heat exchanger and is then recirculated back to the boiler) are good applications. Installation of the Power Cell system should be on the recirculating line and the feedwater line. Best results have been obtained on water tube boilers as opposed to fire tube boilers.

If a fluid has no conductance (distilled water) or if there is no relative velocity between the magnetic field and the fluid (Faraday's Law), no treatment will take place.

The greater the relative velocity, the more effective the descaling treatment will be. Conversely, if the fluid velocity is very slow or intermittent, then relatively poor results will be obtained.

*All information contained herein is based on long term testing in our laboratories as well as practical field experience and is believed to be reliable and accurate. No condition or warranty is given covering the results from use of our products in any particular case, whether the purpose is disclosed or not, and we cannot accept liability if the desired results are not obtained.*

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