



# “One of a kind technology”



4” unit shown in picture

Processors are application specific  
and are manufactured to  
accommodate any line size.

🌐 **The In-Line Processor** 🌐

# How the Inline Processor will enhance Filtration

- Immediately after being installed the Inline Processor will dramatically increase the permeate stream and lower energy needed to get a product stream from reverse osmosis and microfiltration.
- The Inline Processor will extend the life of all filtration membranes, and/or extend the time between scheduled cleanings.
- The Inline processor will significantly reduce and/or eliminate costs for certain chemicals such as descalants, algaecides, and biocides.
- For high budget operations such as desalination plants, the Inline Processor offers an even greater return on investment, because just one Inline Processor has the ability to treat water that would feed hundreds of reverse osmosis arrays

# How the Inline Processor works

**The Inline Processor technology is an in-line electrochemical process, which alters the charge properties of fluids, gasses and organic matter. Inline Processors are designed to effectively strip electrons from flowing fluids without use of chemicals, electricity or operators physical adjustment. It just sits in place, in-line with your water source, cleanly operating for years. This process enables water to lose its ability to bond itself to other foreign matter. The water remains in a positively charged state until such time that it regains enough electrons to restore its former balance-charge state and bonding nature. Our Processed water flows more easily through permeable and semi-permeable materials, including filters which reduces back pressure and lowers energy costs while increasing the quality and quantity of the product water.**

# Bacteria Kill

**The process produces another concurrent benefit: Waterborne microorganisms do not survive the process. Live microorganisms, ie: Giardia Lamblia, Cryptosporida, E Coli Types, spore formers etc. entering our system, exit having been inactivated/killed by the process of stripping electrons from all sources within and from the flowing water. Studying the process, samples have proposed two possible causes for this effect:**

- 1. The electron stripping process destroys the microorganisms DNA.**
- 2. The electron transport and exchange mechanism of the microorganism becomes destroyed.**

**Our Process inactivates/kills microorganisms without the use of chemical or outside power source and simply eliminates all costs, risks and by-products normally associated with chemical disinfectant or algaecide use.**

# Installing the Inline Processor

The Inline Processor is simply installed after the pump and prior to the reverse osmosis system by cutting into the existing line and installing the Processor in-line. Typically the Inline Processor comes built with universally adjustable flanges on both ends, but it can be built with any fitting type our customers require. The Inline Processor does not present any restriction to flow of the water passing through the line. The only technical aspect of the installation is placing a dedicated ground rod into the earth and making sure it is stripping electrons by measuring this with a meter. This is important because the electrical charge the Inline Processor takes from the water gets sent through a wire coming from it to the ground rod. After installation is complete the processor operates maintenance free, and there are no parts that ever need to be replaced.

# Benefits

- The performance and efficiency of any filtration system in increased
- Lower operating pressure on R.O. systems
- Increase in quality and quantity of permeate water
- Extend the life of filtration membranes
- Reduce and/or eliminate cost of chemicals such as descalants, algaecides and biocides
- Extend the time between scheduled cleanings

# Features

- No outside power source needed
- No user adjustments
- No consumable parts to replace
- No additional restriction to flow
- One Inline Processor able to provide processed water to multiple filtration systems
- Easy installation – 100% satisfaction guarantee
- 10 year limited manufacturer warranty
- Made in U.S.A.

## *Mission Statement*

- *Fairness to our Customers*
- *Enhance our Earth's Resources*
- *Engineered Quality and Performance*
  - *Respect our Employees*
  - *Co-operate with our Vendors*
- *Prosperity to All with harm to No One*

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