

## NOVASYS – WATER TREATMENT EQUIPMENT MECHANICAL UPGRADE PROGRAM



*This system is a safety hazard, requires constant operator attention and may fail at anytime. It could shut down production and possibly cause serious harm to workers.*



*This upgraded system is safe and reliable and provides operational savings through reduced chemical usage and operator demands.*

Remember when your water treatment equipment was newly installed and all parts were operating correctly? After years of usage, your system may be showing signs of deterioration. The vessel or piping may be corroded or leaking or various components may not be functioning properly. In other instances, the technology may have changed offering better efficiencies.

Through NovaSys, USFilter offers the most comprehensive mechanical upgrade program to return your water treatment system to peak efficiencies by replacing worn or outdated:

- Vessels (replacement or repairs)
- Piping manifolds
- Laterals, strainers and other distribution systems
- Valves, pumps and other components
- Sampling devices/sinks
- Resins and other media

Typical NovaSys upgrades include:

- Changing conventional downflow softeners and two bed deionizers (also called separate beds) into highly efficient packed bed systems
- Upgrading internal vessel distribution systems for greater reliability
- Using our patented Heat Optimized Technology (HOT Series) to transform typical carbon towers into hot water sanitizable carbon filters to control effluent biological growth
- Upgrading regeneration chemical skids (pumped or educted systems) for improved performance

## THE PROGRAM INCLUDES ALL MANUFACTURERS' EQUIPMENT

The program includes USFilter water treatment systems, as well as systems supplied through USFilter's family of companies including systems previously supplied by:



(also referred to as Himsley International)



IONPURE



(Illinois Water Treatment)



Mitco

PENFIELD

PERMUTIT



Water Services of America

We are also well qualified to perform evaluations on any other manufacturers' water treatment systems, as EP&S personnel have over 200 years of water treatment experience. Whether it is a USFilter system or a system supplied by another manufacturer, we will work with you to optimize your entire water treatment system and do so within your budget.

USFilter can also assist you in evaluating your system by having one of our inspectors travel to your site, perform a thorough system analysis and submit a detailed list of recommendations for your review. As part of our evaluation, we will suggest alternative materials of construction and/or design in order to improve safety and operating efficiencies and reduce costs.

USFilter's Mechanical Upgrade Program:

- Improves safety by minimizing burst and leak risks
- Saves costs through reduced chemical consumption when new or enhanced media is utilized
- Eliminates downtime for increased productivity
- Reduces maintenance labor and parts
- Reduces utility costs through less water usage
- Provides consistent water quantity and quality
- Improves pump performance for better chemical utilization
- Corrects dosages and flow rates for improved regeneration times

Our upgrades include verification of your original design criteria including dosages, flow rates, regeneration times and other key items. For added assurance, we provide detailed documentation, such as new piping and vessel drawings and vendor literature. For pharmaceutical applications, our extensive experience will assist you during the validation process. If desired, we can perform all or part of the installation through our comprehensive support network of over 80 service centers throughout North America.

To discuss your mechanical upgrade and process requirements and obtain a no obligation quotation, call 800.582.5261 ext. 340 or 815.921.8340 or e-mail us at [Retrofits@rockford.usfilter.com](mailto:Retrofits@rockford.usfilter.com).

**USFilter**

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