

## Measurement and Control

# Reliable liquid analytical measurements

Wastech Systems, an Ovivo Company

**Simplicity. Reliability. Economy.**

OEMs and integrators of industrial water and waste treatment systems rely on liquid analytical measurements from GF especially for pH and conductivity.



# Wastech Systems, An Ovivo Company

In addition to engineering and design competencies, Wastech Systems, LLC. is specialized in turn-key packaged systems for chemical handling and industrial water and waste treatment across many market segments. They have particular expertise in designing and building complete skid mounted systems for pH adjustment and other applications. Wastech hold themselves to high standards of on-time delivery and system performance beyond the expectations of their customers.



An Ovivo Company

## Application

The ProDELTA™ Plus continuous system from Wastech is a skid-mounted pH adjustment system designed for neutralizing process wastewater. These systems are a good fit for many industries including pharmaceutical, biotech and semiconductor, utilizing one or two active treatment stages along with effluent pH monitoring to ensure proper neutralization before discharging to the sewer.

Environmental and other regulatory compliance is always required, and excursions can shut down production. So when strong acid or caustic surges occur, customers rely on these systems to perform. The reason they do perform, consistently, is excellent design plus quality components and construction. At the heart of these reliable systems are pH sensors and instrumentation from GF Piping Systems.

## Solution

General purpose pH sensors plus submersible electronics and either single or multi-channel transmitters are most common, but Wastech will incorporate high-performance heavy-duty sensors from GF when required by the application. It's all about reliable performance while optimizing long-term operational costs. Wastech will also occasionally include conductivity sensors and instrumentation in their neutralization systems, especially when treating pharmaceutical or semiconductor waste streams which can sometimes contain extremely clean water for prolonged periods. Low conductivity water can be problematic for pH electrodes from any manufacturer, causing drift and accelerated aging. Monitoring conductivity to protect critical pH measurements improves overall system reliability. The use of GF manual and actuated valves also underscores Wastech's priority on performance.

## Customer comments

"GF products work very well together in our applications. Regarding low-conductivity protection for pH sensors, we include a user-adjustable setpoint on our HMI. Once the measurement drops below this setpoint, we generate an alert and trigger a system response such as opening a valve to add sodium bicarbonate to bring the conductivity up to more favorable values."

Serge Saatejian  
VP of Operations  
Wastech Systems, LLC

"Sensors, instrumentation and actuated valves from GF help to facilitate control automation features in our systems. GF has been a key supplier to Wastech for decades."

Matt Pfingsten  
Business Development Manager  
Wastech Systems, LLC



ProDELTA™ Plus for continuous pH adjustment... one of many systems available from Wastech. More info [here](#).



GF offers a wide variety of liquid analytical measurement systems such as conductivity, pH, and more! Click [here](#).

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For more information about GF analytical sensors and instrumentation, scan the QR code or click [here](#).

