

BESTOBELL

AQUATRONIX

Process
Monitoring



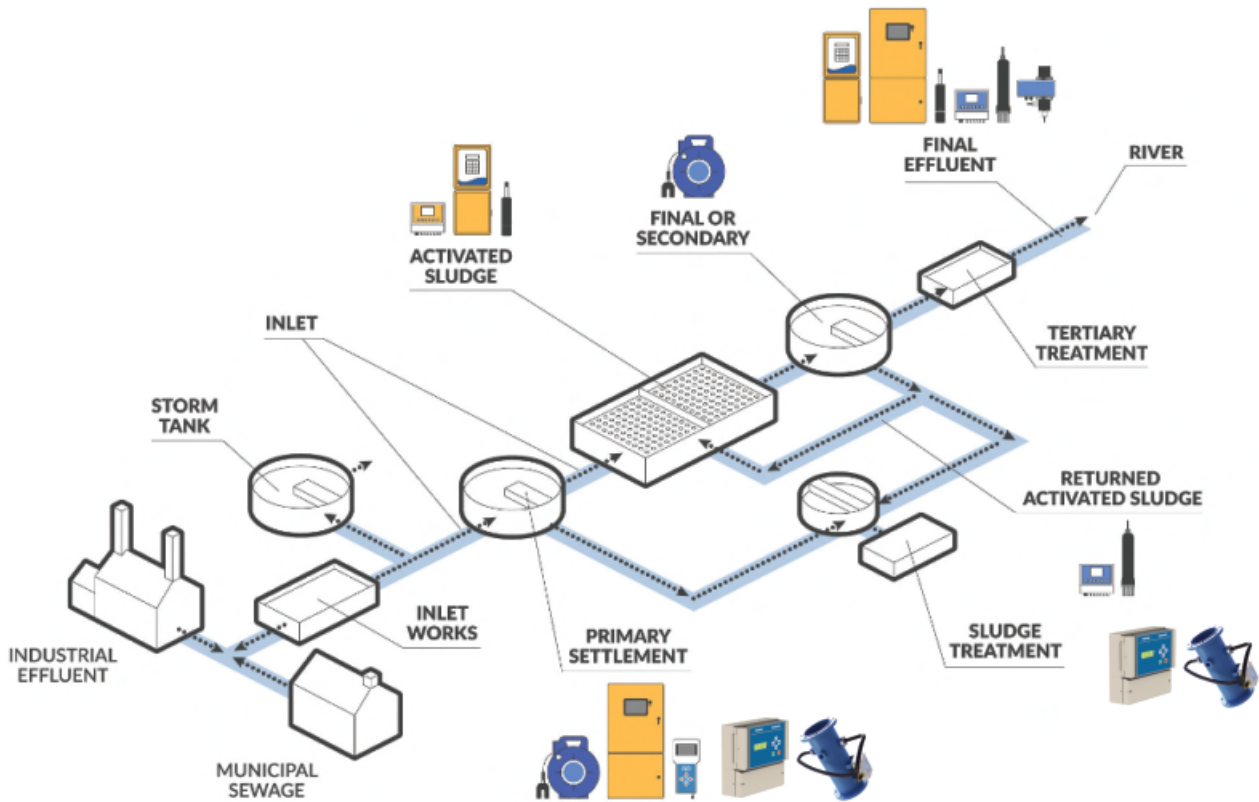
www.bestobell.com



Excellence Since 1953



delta-mobrey



WASTEWATER MONITORING

MEET REGULATORY REQUIREMENTS AND CONTROL COSTS WITH RUGGED, EASY-TO-USE SOLUTIONS FOR WASTEWATER MONITORING AND CHEMICAL ANALYSIS.

Ammonia-Based Aeration Control

Measure ammonia to optimize aeration and control nitrification with robust, low-maintenance mini analyzers for real-time data and continuous monitoring.

Activated Sludge

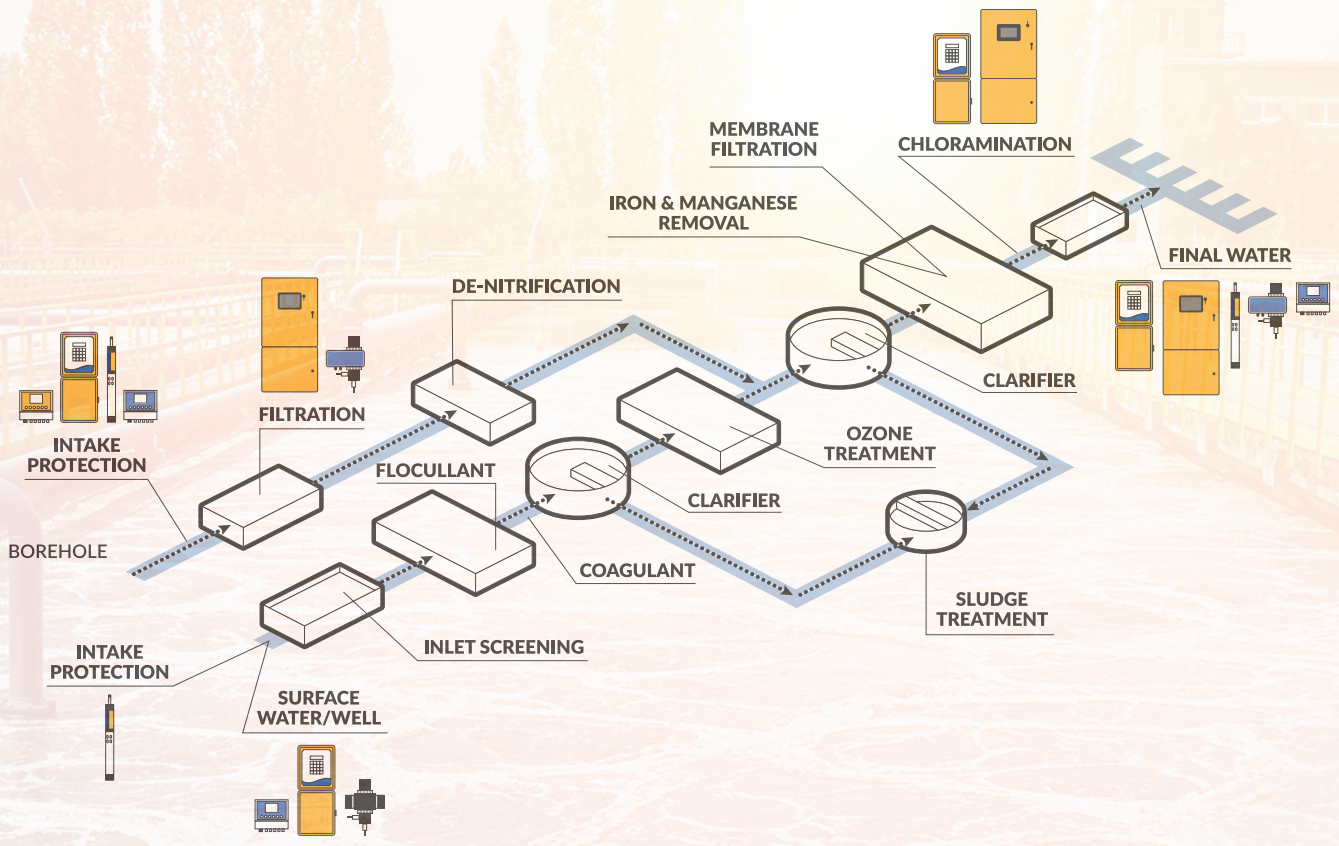
Rely on accurate measurement of dissolved oxygen, redox, pH, temperature and total suspended solids to reduce energy use and maintain biological balance in your activated sludge plant.

Nutrient Analysis

Control the denitrification process with reliable nitrate and nitrite measurements at frequent intervals from multiple sample points.

Sludge Blanket Monitoring

Improve final effluent and sludge quality with infrared sensors for portable, cost-effective spot-checking of sludge blanket levels in settlement tanks.



DRINKING WATER MONITORING

EFFECTIVE AND EFFICIENT DRINKING WATER TREATMENT PROCESS CONTROL REQUIRES ACCESS TO ACCURATE, REAL-TIME DATA AND RELIABLE MONITORING SOLUTIONS.

Raw Water Intake

Maintain correct dosing, test multiple parameters and manage operating costs with reliable and low-maintenance equipment for measurement and analysis of your inlet channel.

Filtration

Continuously monitor and analyze multiple process points during filtration, to help ensure government requirements are met using the most optimized process.

Chloramination

Maximize the formation of monochloramines while minimizing the DBP creation and nitrification in your disinfection process with timely chemistry measurements.

Finished Water

Rely on process expertise and accurate data to control your treatment process, meet regulations and ensure the safety of your finished water.

BESTOBELL-AQUATRONIX OFFERS A COMPLETE PORTFOLIO OF SOLUTIONS SUITABLE FOR USE IN A VARIETY OF DRINKING WATER AND WASTEWATER APPLICATIONS.

Online Analyzers

Reliable and easy-to-use single-line and multiple-line water analyzers known for accurate analysis, real-time data and continuous monitoring.



Online Monitors

Flexible monitors that display results from as many as 16 sensors and transmit data to a SCADA system.



In-Tank Sensors

A full line of low-maintenance digital sensors designed to perform in harsh environments measuring dissolved oxygen, pH, redox/ORP, conductivity, color, temperature, salinity, suspended solids, UV Transmittance and turbidity.



Portables

Simple, reliable and cost-effective spot-checking tools to gather and record data on multiple water quality parameters.



Multiparameter Sensor

The AquaTROLL Multiparameter Sonde with interchangeable sensors, anti-fouling wiper and Bluetooth communication for deployed or handheld water quality monitoring.



Telemetry

VuLink cellular telemetry, with one-press setup and enhanced reliability, to simplify remote water quality monitoring and make it easy to access and manage data from anywhere



In-Pipe & In-Tank

Ultrasonic Suspended Solids Monitoring and sludge blanket detection in clarifier or settlement tanks for sludges up to 10% suspended solids.

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Thermal Mass Gas Flow Meters

A full line of Thermal Mass Flow Meters designed to perform in harsh environments for applications such as Aeration Air, Biogas/ Digester Gas and Cogen power systems. With industry leading Direct Digitally Controlled (DDC) technology Fox Thermal flow meters provide superior Field Programmability, such as Gas mixture selection with GAS-SelectX, delivering the most accurate correlation calibration in the market. Fox Thermal's in-situ CAL-V™ Calibration Validation feature allows the user to run a test in the field and at the push of a button. There is no need for other equipment, gas canisters, or process downtime. The test can be run under normal process conditions with gas flowing in the pipe! sensors.



Gas Detection in Wastewater Treatment Plant -Wired & Wireless

combustible gases (Methane, CH₄), Hydrogen sulfide (H₂S), Chlorine (Cl₂), and Oxygen (O₂). In addition, Sulfur Dioxide (SO₂), Ammonia (NH₃), Ozone (O₃), and Chlorine Dioxide (ClO₂) gas detection.



HYDROSTATIC & ULTRASONIC LEVEL TRANSMITTERS

Hydrostatic Level transmitters offer reliable, stable and precise measure of level of water with an accuracy of 0.1%. Ideal for use in service tanks, remote reservoirs and other environmentally aggressive applications. At the heart is a Ceramic Capacitive Sensor (CCS). This pressure sensor provides a "flush" dia-phragm, avoiding the risks of sensor clogging and ensures an extremely low hysteresis, minimal output drift, and high repeatability. Ultrasonic Level transmitters are your cost-effective solution for reliable instrumentation for chemical and water treatment applications such as Wet wells, Sumps, Pumping Stations. Ideal for mounting over liquid surfaces in tanks and open channel flow. Features two wire loop powered with HART communications.



COMPACT DIN-RAIL MOUNTED ANALYTICAL MODULES WITH BLUETOOTH INTERROGATION

The DXU18 is a microprocessor-controlled DIN-Rail mounted module range designed to provide a compact individual measurement solution for a wide range of parameters including: contacting conductivity, electrodeless (inductive) conductivity, pH/redox (ORP), dissolved oxygen, turbidity / suspended solids, 4-20mA input (slave) The LTH Discover app, available on both IOS and Android smart phones provides full interrogation of the modules via Bluetooth. This provides the user with full access to the live measurements, full module configuration, online guides as well as and importantly sensor calibration, without the need to touch or connect your PC.

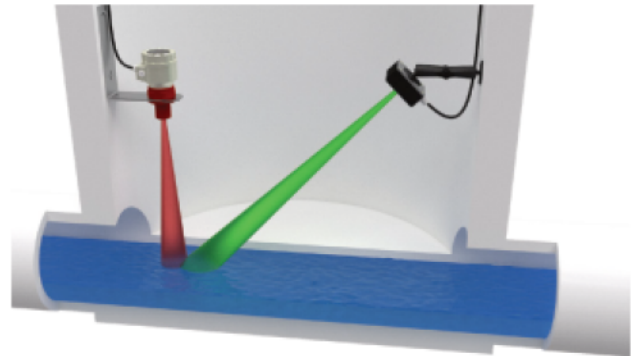
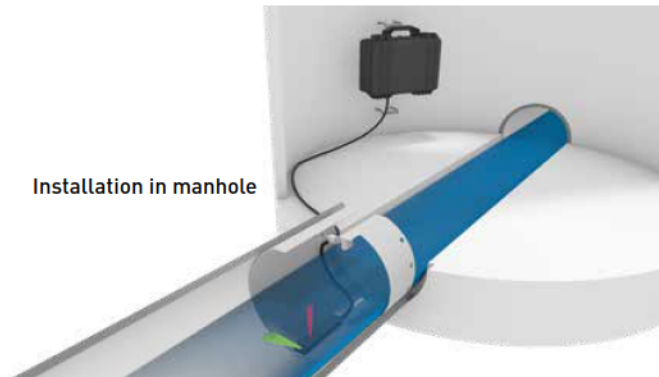
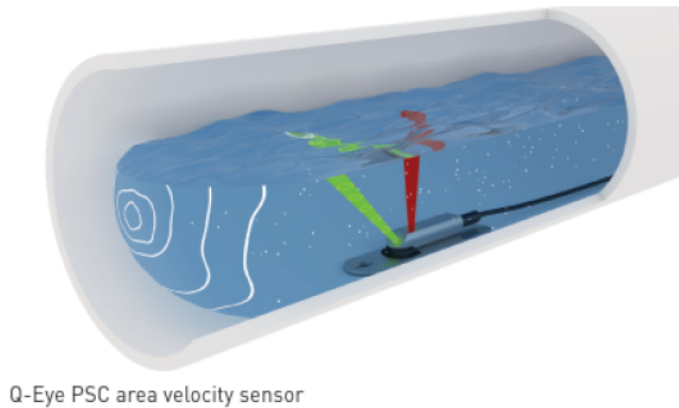
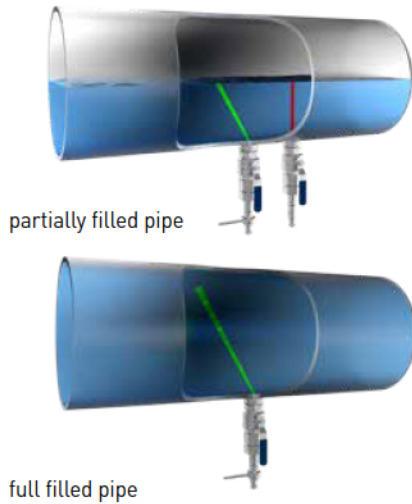


ULTRASONIC / ACOUSTIC FLOW MEASUREMENT

GWF is a leader in innovative technologies, products and solutions for flow measurement in rivers, canals, partially filled pipes and pressure pipes. GWF's product range also includes acoustic flow measurements. GWF's product range also includes acoustic flow measurements.

Insertion type – only for stationary PSC

Mouse type – for both stationary and portable

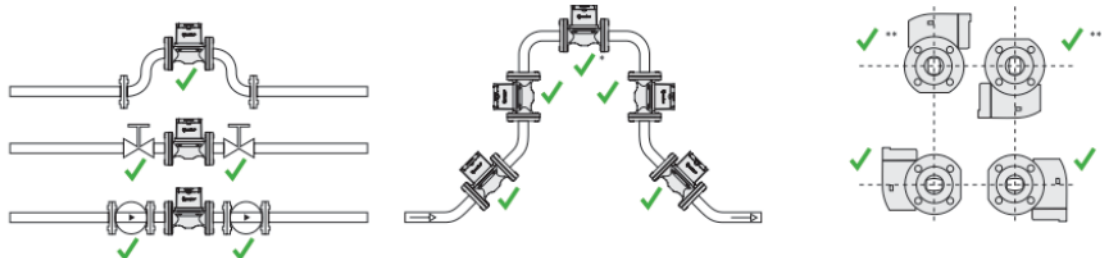


THE WORLD'S MOST ADVANCED ACOUSTIC FLOWMETER

The GWF Sonico Edge flowmeter with 4D technology®, Suitable for difficult installation conditions such as placement directly before or after 90 ° elbows, valves or pumps and requiring no straight run. No need for flow conditioners. The time-reverse acoustic principle enables a new level of measuring repeatability unaffected by flow perturbations, electromagnetic or grounding interference and water conductivity



The 4D technology® certified R1000 turndown ratio is independent of the flow profile as well as meter direction or orientation.



DATA YOU CAN TRUST AND EQUIPMENT YOU CAN RELY ON. OUR APPLICATION-OPTIMIZED SOLUTIONS WORK TOGETHER TO DELIVER DECISION-QUALITY DATA IN REAL TIME.

AND OUR TEAM OF EXPERTS IS RENOWNED FOR OUTSTANDING CUSTOMER SERVICE AND TECHNICAL SUPPORT.

MONITORING PARAMETERS:

SENSORS

- Ammonium
- Blue Green Algae (Phycocyanin)
- Chlorophyll a
- Chloride
- Color
- Conductivity
- Dissolved Oxygen
- Gas Detection
(Methane, H₂S, Cl₂, O₂, SO₂, NH₃, O₃, ClO₂)
- Level
- Nitrate
- pH
- Pressure
- ORP
- Sludge Blanket Level
- Suspended Solids
- Temperature
- Turbidity
- UV Transmittance

ANALYZERS

- Free Ammonia
- Total Ammonia
- BOD (UV Correlation)
- Free Chlorine
- Total Chlorine
- Chrome VI
- COD (UV Correlation)
- Copper
- Iron
- Manganese
- Monochloramine
- Natural Organic Matter (NOM)
- Nickel
- Nitrate
- Nitrite
- Percent Transmittance
- Ortho Phosphate
- Peracetic Acid (PAA)
- Specific Absorbance
- Sulfite, Dechlorination
- TOC (UV Correlation)

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