# Municipal Water and Wastewater Processes



#### **AERATION**

Aqua-Aerobic (Floating Aerators)

**APG Neuros** (High Speed Turbo Blowers)

BlueInGreen, LLC, A Chart Company (Dissolved Gas

Delivery Systems: CO<sub>2</sub>, Oxygen, Ozone)

Continental Blower, LLC (Multi-stage Centrifugal

Jim Myers & Sons (Low Profile Cascade Aeration)

Mazzei Injector Company (Venturi Injection Systems)

Parkson (Wyss, Hi-Ox Panels)

Robuschi/Gardner Denver (PD Blowers)

**SSI Aeration, Inc.** (Diffused Aeration)

**Veolia** (ZeeLung, Membrane Aerated Biofilm Reactor (MABR))

Xylem + Evoqua Water Technologies LLC

Envirex® (Coarse/Fine Bubble, Surface, ORBAL, Swingfuser)

## AIR SCRUBBERS/ODOR CONTROL

Marcab (Odor & Digester Gas)

**Integrity Municipal Systems** (Chlorine Scrubbers)

Xylem + Evoqua Water Technologies LLC (Biological,

Chemical, Carbon Odor Control, Chlorine Scrubbers)

#### **BIOLOGICAL TREATMENT**

Aqua-Aerobic (SBR, Mix-Air, AquaPASS)

Veolia (MBR, MABR)

Xylem + Evoqua Water Technologies LLC

Envirex® (Orbal®, AGAR®, Verticel, Bionutre™, RBC, VLR)

### CHEMICAL FEED

**Blue-White** (Pumps & Accessories)

BlueInGreen, LLC, A Chart Company (CO<sub>2</sub> Injection)

Force Flow/FloQuip (Scales, Inventory Mgmt.)

**Griffco** (Backpressure Valves, Pressure Relief Valves, Calibration Columns, Pump Accessories)

**Halogen Valve Systems** (Chlorine Emergency Shutoff Systems)

**Integrity Municipal Systems** (Chemical Silos, Chem Feed Skids)

Mazzei Injector Company (Venturi Injection Systems)

# CHEMICAL FEED (cont)

**PolyProcessing** (HDXLPE Chemical Storage Tanks)

**ProMinent** (Chemical Feed Pumps, ProMix Polymer Blending Units, Dry Feed, Skids)

**SEEPEX** (Progressive Cavity)

Xylem + Evoqua Water Technologies LLC

Wallace & Tiernan® (Water Champ, Gas, OSEC®, ClO2)

#### **COLLECTION SYSTEM**

**BlueInGreen, LLC, A Chart Company** (Oxygen Injection)

**HACH** (Collection System Flow Meter Systems)

JWC Environmental®, a Sulzer Brand (Grinders,

Monster Manholes, Screens)

**OpenChannelFlow** (Flumes, Weirs, Metering Manholes)

#### **COVERS**

**AWTT** (Floating Covers)

**CST** (Conservatek/Temcor, Alumadome, Flat)

Industrial and Environmental Concepts, Inc (IEC)

(Liners & Covers for Earthen Basins)

NEFCO, Inc. (Clarifier Launders)

Xylem + Evoqua Water Technologies LLC

Envirex® (Digester)

## DIGESTION/SLUDGE STABILIZATION

Alfa Laval (Spiral and Plate Heat Exchangers)

**BCR Environmental** (Chemical and Thermal Sludge Stabilization, Screw Dryer, Belt Dryer)

Cambi (Thermal Hydrolysis)

Thermal Process Systems (Thermo-Systems® Solar

Dryer, Thermaer, Excalibaer)

**Veolia** (Monsal Advanced Anaerobic Digestion, Belt Dryer)

Xylem + Evoqua Water Technologies LLC

Envirex® (Anaerobic, Aerobic)

# DISINFECTION

**Nuvonic** (Aquionics UV)

**Pinnacle Ozone Solutions, LLC** (Modular Ozone Generation)

**ProMinent** (Chlor/Dechlor Control, Analyzers, ORP)

**ULTRAAQUA** (UV Disinfection & Ozone)

Xylem + Evoqua Water Technologies LLC

Wallace & Tiernan® (Analyzers, Gas, OSEC®, ClO<sub>2</sub>)

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#### **FILTRATION**

**AdEdge**, *a Chart Company* (Filtration and Specialty Contaminant Removal, Ion Exchange)

Aqseptence/Johnson Screens® (Triton Underdrains)

Aqua-Aerobic (AquaDisk, AquaDiamond)

Fluid Engineering (Strainers)

Parkson (DynaSand, Schreiber Fuzzy Filter)

**Veolia** (Osmonics [Nano-filtration & R.O.], ZeeWeed [Ultrafiltration])

**Unifilt** (Filter Media, Underdrain Repair & Installation)

## **GENERAL**

**Universal Blastco** (Painting Services, Coatings and Linings, Concrete Preservation and Restoration; FRP Tanks, Pipes, and Repairs; FGD Tower Liner Installation and Repairs)

## **HEADWORKS/SCREENING**

**Aqseptence/Johnson Screens®** (Passive Intake Screens, HYDROBURST)

Jim Myers & Sons (Conveyors)

JWC Environmental®, a Sulzer Brand (Muffin®, Channel® Auger® Monster Screens Compactors IPE

Channel\*, Auger\* Monster, Screens, Compactors, IPEC Screening)

**Parkson** (AquaGuard, RotoPress, Hycor® Products, Schreiber Grit)

Smith & Loveless (Headworks & Grit Removal, PISTA® Grit Removal System)

WSG & Solutions (Envirex® Bar Screens & Grit Collectors)

**Xylem + Evoqua Water Technologies LLC**Envirex® (Traveling Water Screens)

#### **INSTRUMENTATION & CONTROL**

Emerald Coast Manufacturing (All Weather

Refrigerated Samplers)

ForTech Automation (SCADA, System Integration)

Hach /Marsh-McBirney (Flow & Sampling)

**Heyward Services** (System Solutions & Integration Services)

**OpenChannelFlow** (Flumes, Weirs, Metering Manholes) **ProMinent** (Chemical Process)

## **MIXING**

Aqua-Aerobic (Floating)

**Hayward Gordon** (Turbine Mixers, HydroMix Digester) **Jim Myers & Sons, Inc.** (Walking Beam, Paddle Wheel, Turbine)

Xylem + Evoqua Water Technologies LLC

Envirex® (Jet Mix)

## **PUMPS**

**Hayward Gordon** (ANSI Process Pumps, Hard Metal Pumps, Chopper & Screw)

Mid-America Pump & Supply (Vertical Turbine)

Patterson (Water, Wastewater, Pre-Packaged Systems)

**SEEPEX, an Ingersoll Rand Company** (Progressive Cavity, Schreiber Open Screw)

## SEDIMENTATION/CLARIFICATION

Jim Myers & Sons (Plate Settlers, Sludge Removal) Innovative Treatment Products, LLC (Clarifier Clean Sweep\*)

IXOM/MIEX® (Color and TOC reduction, softening)
NEFCO, Inc. (Density Current Baffle, Launder Covers,
Weirs/Baffles)

Parkson (Lamella, Plate Pak)

**Xylem + Evoqua Water Technologies LLC** Envirex® (Clarifiers, Sludge Collection)

#### **SOLIDS DRYING**

BCR Environmental (Screw Dryer, Belt Dryer) Harvest Technology, LLC (Solar Dryer) Veolia (Belt Dryer)

# STORAGE/TANKAGE

**Chart Incorporated** (Liquified Chemicals, CO<sub>2</sub>, Liquid Oxygen, Vaporizors)

**CST** (Aluminum Dome, Flat Covers)

**Dutchland Incorporated** (Engineered Concrete Tanks, Post tensioned Tanks)

Jim Myers & Sons (Sludge)

**Liquid Tech Tank Systems** (Bolted Stainless Steel Tanks) **PolyProcessing** (Chemical)

### THICKENING/DEWATERING

**Alfa Laval** (Centrifuges, Ashbrook Belt Presses, Ashbrook Gravity Belt Thickeners)

Ishigaki USA, Ltd. (Screw Presses)

**Orège North America** (Sludge Conditioning, Treatment, Recovery)

**Parkson** (Hycor-Thick Tech Rotary Drum)

Xylem + Evoqua Water Technologies LLC

Envirex® (DAF, Gravity, Fan Press)

### VALVES/VALVE ACTUATORS/GATES

**GA Industries** (Butterfly, Altitude, Air, Surge, Plug, Pump Control, Specialty)

**Rotork** (Electric & Pneumatic Actuators)

**VAG USA, LLC** (Valves: Double & Triple Offset Butterfly, Slanted Tiling Disc, Check)