# **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 Blowers) **Evoqua Water Technologies LLC** Envirex<sup>®</sup> (Coarse/Fine Bubble, Surface, ORBAL, Swingfuser) 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))

### AIR SCRUBBERS/ODOR CONTROL

Evoqua Water Technologies LLC (Biological, Chemical, Carbon Odor Control, Chlorine Scrubbers) Marcab (Odor & Digester Gas) Integrity Municipal Systems (Chlorine Scrubbers)

### ASSET MANAGEMENT/TRAINING

360water, Inc. (Customized Online Operation & Maintenance Training)

# **BIOLOGICAL TREATMENT**

Aqua-Aerobic (SBR, Mix-Air, AquaPASS) **Evoqua Water Technologies LLC** Envirex<sup>®</sup> (Orbal<sup>®</sup>, AGAR<sup>®</sup>, Verticel, Bionutre<sup>™</sup>, RBC, VLR) Veolia (MBR, MABR)

### CHEMICAL FEED

Blue-White (Pumps & Accessories) BlueInGreen, LLC, A Chart Company (CO<sub>2</sub> Injection) **Evoqua Water Technologies LLC** Wallace & Tiernan<sup>®</sup> (Water Champ, Gas, OSEC<sup>®</sup>, ClO<sub>2</sub>) Force Flow/FloQuip (Scales, Inventory Mgmt.) Griffco (Backpressure Valves, Pressure Relief Valves, Calibration Columns, Pump Accessories) Halogen Valve Systems (Chlorine Emergency Shutoff Systems)

PolyProcessing (HDXLPE Chemical Storage Tanks)

# **CHEMICAL FEED (cont)**

- Integrity Municipal Systems (Chemical Silos, Chem Feed Skids)
- Mazzei Injector Company (Venturi Injection Systems)

ProMinent (Chemical Feed Pumps, ProMix Polymer Blending Units, Dry Feed, Skids) SEEPEX (Progressive Cavity)

# COLLECTION SYSTEM

BlueInGreen, LLC, A Chart Company (Oxygen Injection) **HACH** (Collection System Flow Meter Systems) JWC Environmental<sup>®</sup>, a Sulzer Brand (Grinders, Monster Manholes, Screens) **OpenChannelFlow** (Flumes, Weirs, Metering Manholes)

# **COVERS**

**AWTT** (Floating Covers) **CST** (Conservatek/Temcor, Alumadome, Flat) **Evoqua Water Technologies LLC** Envirex<sup>®</sup> (Digester) Industrial and Environmental Concepts, Inc (IEC) (Liners & Covers for Earthen Basins) NEFCO, Inc. (Clarifier Launders)

# DIGESTION/SLUDGE STABILIZATION

Alfa Laval (Spiral and Plate Heat Exchangers) BCR Environmental (Chemical and Thermal Sludge Stabilization, Screw Dryer, Belt Dryer) Cambi (Thermal Hydrolysis) **Evoqua Water Technologies LLC** Envirex<sup>®</sup> (Anaerobic, Aerobic) **Veolia** (Monsal Advanced Anaerobic Digestion, Belt Drver) Thermal Process Systems (Thermo-Systems® Solar Dryer, Thermaer, Excalibaer)

### DISINFECTION

**Evoqua Water Technologies LLC** Wallace & Tiernan<sup>®</sup> (Analyzers, Gas, OSEC<sup>®</sup>, ClO<sub>2</sub>) Nuvonic (Aquionics UV) Pinnacle Ozone Solutions, LLC (Modular Ozone Generation) **ProMinent** (Chlor/Dechlor Control, Analyzers, ORP)



# Municipal Water and Wastewater Processes

# FILTRATION

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

Aqseptence/Johnson Screens<sup>®</sup> (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<sup>®</sup> (Passive Intake Screens, HYDROBURST)

# Evoqua Water Technologies LLC

Envirex<sup>®</sup> (Traveling Water Screens)

Jim Myers & Sons (Conveyors)

JWC Environmental<sup>®</sup>, a Sulzer Brand (Muffin<sup>®</sup>, Channel<sup>®</sup>, Auger<sup>®</sup> Monster, Screens, Compactors, IPEC Screening)

**Parkson** (AquaGuard, RotoPress, Hycor<sup>®</sup> Products, Schreiber Grit)

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

WSG & Solutions (Envirex<sup>®</sup> Bar Screens & Grit Collectors)

# **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)

Lovibond<sup>®</sup>, a Tintometer<sup>®</sup> Company (Turbidity) OpenChannelFlow (Flumes, Weirs, Metering Manholes) ProMinent (Chemical Process)

### MIXING

Aqua-Aerobic (Floating) Evoqua Water Technologies LLC Envirex® (Jet Mix) Hayward Gordon (Turbine Mixers, HydroMix Digester) Jim Myers & Sons, Inc. (Walking Beam, Paddle Wheel, Turbine)

# 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

Evoqua Water Technologies LLC Envirex® (Clarifiers, Sludge Collection) Jim Myers & Sons (Plate Settlers, Sludge Removal) Innovative Treatment Products, LLC (Clarifier Clean Sweep<sup>®</sup>) IXOM/MIEX<sup>®</sup> (Color and TOC reduction, softening) NEFCO, Inc. (Density Current Baffle, Launder Covers, Weirs/Baffles) Parkson (Lamella, Plate Pak)

## 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) Evoqua Water Technologies LLC Envirex<sup>®</sup> (DAF, Gravity, Fan Press) Ishigaki USA, Ltd. (Screw Presses) Orège North America (Sludge Conditioning, Treatment, Recovery) Parkson (Hycor-Thick Tech Rotary Drum)

# 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)

