

Providing exceptional engineered solutions and services since 1940

Water

Wastewater

Fluid

Steam

## MUNICIPAL/ENVIRONMENTAL DIVISION



Custom shop fabrication services including pre-fabricated booster pump systems, lift stations, sludge heating systems, heat transfer & filtration packages, start-up and repair.

## CENTRIFUGAL PUMPS



ANSI, centrifugal, regenerative turbine, boiler feed, end-suction, condensate, horizontal split case, sewage, sump, fire pumps and systems.



Shredder pumps, also called cutter pumps (SK-series), are designed to shear debris before pumping. The submersible vortex pumps (SV-series) pass the entire solid. Single vane impeller pumps (S-series) are designed to pass effluent, dirty water with some solids.



Custom pumps in stainless steel and exotic metals.



Clear liquid, solids handling, submersible, vortex and Redi-Prime® pumps.



Seal-less magnetically-driven chemical pumps.



Vertical turbine, submersible vertical turbine in cast iron and alternate metallurgies.

## POSITIVE DISPLACEMENT PUMPS



S-Series (sludge/slurry and general use) pumps, C-Series (chemical/and corrosive resistant) pumps, and D-Series (duplex pumps and abrasive applications).



Progressive cavity and screw pumps.



Chemical feed pumps, packages, abaque peristaltic pumps, polymer mixing stations.

## HEAT TRANSFER



Superchanger® plate & frame heat exchangers, spiral & welded shell & plate.

**Corporate Office**  
P.O. Box 689 | 1301 Industrial Dr.  
Matthews, NC 28106  
P: 704.847.2100 | F: 704.847.2349

**Raleigh Office**  
5711 Six Forks Road, Suite 106  
Raleigh, NC 27609  
P: 704.847.2100 | F: 919.844.2030

**Greenville Office**  
P.O. Box 758 | 510 Palmetto Dr.  
Simpsonville, SC 29681  
P: 864.967.3420 | F: 864.963.4784



## PROCESS & WASTE TREATMENT



Bar Screens: *multi-rake, claw/rack & pinion, catenary, deep rake, traveling water*, fine screens, rectangular clarifiers, conveyors, grit collectors & classifiers, bucket elevators, sludge collectors, live bottom bins, screw compactors, screw presses.



Packaged treatment plants, effluent pumping systems, drip irrigation.



Deskins patented quick-dry dewatering process—RapidFloc Mixer.



Wastewater Screening: internally fed screens, in-channel conveyor screens/washers, sludge thickeners, screw presses & conveyors, static screens, de-gritters, septage receiver stations.



*Primary Treatment Systems NFS:* filter systems, Gravisep (gravity separators), NCF-coagulation & flocculation, Optiflot flotation systems. *Secondary Treatment Systems:* Bioctor (aerobic biological treatment systems), Anocor (anaerobic biological treatment systems). *Tertiary Treatment Solutions:* sand filters, media filters, active carbon filters, aerated activated carbon filters, disinfection & membrane systems, types MF/UF/MF and RO.



Technologies for treatment of wastewater, CSO/SSO including hybrid BNR, volute dehydrator for sludge dewatering, SAF submerged fixed film bio reactor, raked bar screens.



EPA approved Ultraviolet Disinfection and Chemical Reduction Systems for Municipal, On-Site Wastewater, Private Development, and Community applications.

## COMPLEMENTARY



Custom pump control systems, “DigiGage” panels, SCADA systems.



Low voltage drives, medium voltage drives MCC's & custom controls.



Air release valves.



Control Valves: differentiating, pressure regulating, relief, back pressure and altitude.



Fusion-bodnded epoxy coated bolted steel, field welded, shop welded and elevated liquid storage tanks for potable water, wastewater, fire protection and industrial liquids.