



## Sanitary Solutions

**FLUID PROCESS EQUIPMENT  
SERVICE & REPAIR  
INSTALLATIONS  
SKID SYSTEMS**

### Why Crane?

*Crane's know-how delivers turn-key fluid process solutions that produce documented cost savings for improved plant profits.*

### Fluid Process Skid Systems

- Starter Systems
- Pasteurizers
- CIP and COP Systems
- Wastewater Handling and Treatment
- Aseptic Systems
- Central High Pressure Cleaning
- Product Reclaim
- Specialized Ingredient Mixing and Metering Systems

### Support Services

- Pump, Valve, and Instrumentation Repair
- Valve and Instrument Calibration
- Installation and Start-Up Assistance
- In-Field Troubleshooting
- Flooring Installations
- Custom Training Programs
- Laser Alignment



### Fluid Process Equipment

- Pumps – Centrifugal, Positive Displacement, and Metering
- Mixers – Static and Dynamic
- Valves – On/Off, Control, Manual and Automated
- Filters/Strainers – Perforated, Mesh, Slotted, Bag, Cartridge, and Self-Cleaning
- Heat Exchangers – Plate & Frame, Scraped Surface and Shell & Tube
- Sanitary Fittings and Clamps
- Blenders, Shear Pumps and Colloid Mills
- Homogenizers
- Tanks – Stainless Steel, Poly and Fiberglass

### Fluid Process Automation

- Process Control Programming and System Control Retrofits
- Flow Meters – Magnetic, Mass, Vortex and V-Cones
- Pressure Transmitters and Sensors
- Temperature, PH and Conductivity Sensors
- Complete Control Panels - UL Certified

## PUMPS



Sanitary centrifugal pumps



Precision metering pumps



Hot oil pumps; solids handling



Centrifugal pumps for a wide range of water & mild chemical applications



Self-priming centrifugal, submersible, air-operated diaphragm and engine driven pumps. Packaged water and wastewater pumping stations



Heavy duty ANSI centrifugal, vertical turbine, submersible, and split case pumps



Sanitary air-operated diaphragm pumps



Positive Displacement pumps, including the Flexible Impeller Pump (FIP) for viscous and shear sensitive products



Chemical injection, precision dosing, and diaphragm metering pumps



Progressive cavity and chopper pumps



Chemical injection, precision dosing, and diaphragm metering pumps. Fluid metering, transfer, and control technologies



High pressure, single-stage pumps



Positive displacement and sanitary centrifugal pumps



Heavy duty gear and rotary lobe pumps for abrasive, viscous products



Sanitary air-operated diaphragm pumps










Heavy duty positive displacement and sanitary centrifugal pumps





Peristaltic pumps




## VALVES

-  Regulators and control ball valves
-  Ball valves and actuators
-  Sanitary ball valves
-  Sanitary butterfly and ball valves
-  Sanitary butterfly and ball valves
-  Double seat, single seat, mix proof, and manual sanitary valves
-  High flow valves (formerly Taylor)







## SEALING SOLUTIONS

-  Air purge seals for horizontal mixers, blenders, and screw conveyors
-  Mechanical seals, bearing isolators, environmental controls, packing and gasketing

## FILTERS, STRAINERS, & SEPARATORS

-  Strainers, bag filters, cartridge filters, gas/liquid separators, mechanical and backwash self-cleaning filters and strainers
-  In-line filters and strainers
-  In-line filters and strainers











## FLOOR COATINGS, TANKS, & LININGS

-  FRP roofing and siding panels; tank covers
-  Epoxy and vinyl ester coatings; high performance tank linings
-  Flooring, linings, and pourable grouts
-  Custom fiberglass tanks and salt brine systems
-  Polyethylene tanks and containment vessels
-  Pultruded and molded fiberglass panels, platforms, and grating

## MIXERS

-  Submersible mixers
-  Top and side entry mixers
-  Top entry mixers
-  Portable and fixed mount sanitary stainless steel mixers

## INSTRUMENTATION, CONTROLS, & DRIVES

-  Recorders/controllers, transmitters, flowmeters, analyzers and sensors
-  Sanitary pressure, temperature, and level instruments, DART displays and sensors, differential pressure switches and transducers
-  PH and process probes
-  Pressure gauges & switches, manometers, flow meters & switches, transmitters, pitot tubes, anemometers, and air velocity controls
-  Level sensors
-  Power load monitors and soft starts (formerly Emotron)
-  PH and process probes
-  Rotating equipment condition monitoring
-  Pump control and protection
-  Direct steam injection heaters; heat transfer
-  Temperature sensors, RTD's, thermocouples, and accessories
- TAYLOR** Thermometers and scales
-  Pressure and temperature instruments

## WATER / WASTEWATER

-  Submersible pumps and mixers
-  Self-cleaning belt filter; phosphate removal
-  Phosphorus, radium, arsenic, nitrate, ammonia, iron/manganese, barium, and uranium removal; odor control and softening equipment
-  Positive displacement blowers and packaged systems
-  Self-priming centrifugal, submersible, and engine driven pumps. Lift stations and packaged pump systems
-  Dissolved air flotation thickeners and clarifiers, combined DAF-gravity sand filters, the Air Dissolving Tube, and packaged treatment systems
-  Sludge thickening and dewatering equipment
-  Polymer (dry & liquid) make-up systems and solids metering systems