

# Sanitary Process Components

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## Pumps

- Centrifugal
- Positive Displacement Rotary Lobe
- Piston Pumps
- Double Diaphragm
- Drum Unloading



## Valves: Manual and Automated

- Sanitary Stem/Seat Valves
- Diaphragm Valves
- Ball Valves
- Pinch Valves
- Check Valves: Disk and Ball Type
- Butterfly Valves
- Aseptic Valves



## Sanitary Flow Components

- Sanitary Stainless Steel Fittings
- ASME BPE Pharmaceutical Fittings
- Non-Metallic Polymer Sanitary Fittings
- Sanitary Stainless Steel Tubing
- Custom Fabricated Assemblies

## Sanitary Gaskets and Seals

- FDA and USP Class VI approved materials
- Lot Traceable
- Sanitary Clamp gaskets
- Screen/Perforated Metal Gaskets



## Instrumentation

- Sanitary Gauges and Transmitters
- Recorders and Controllers
- Level Systems



## Hose Assemblies

- Food grade rubber and PVC assemblies
- Pharmaceutical grade silicone assemblies
- Smooth bore and convoluted Teflon assemblies



## Single Use Components

- Bioreactors and Mixers
- Manifolds
- Tubing
- Connectors

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# Sanitary Process Systems

## Modular Process Systems

- Buffer prep and hold
- Media prep and hold
- Blending (mass flow)
- Heat transfer
- Filtration (micro and ultra)
- Solution preparation
- WFI distribution
- Aseptic food systems



## Vessels

- Stainless Steel and polymer tanks
- Processors
- CIP tanks
- Scrape surface
- Mix tanks



## Processing Units

- Homogenizers
- Colloid Mills
- High Shear Mixers
- Blenders
- Agitators



## Heat Exchangers

- Shell and tube
- Plate and Frame
- Tubular: Tube/Tube, Multi-Tube
- Scraped Surface



## Sanitation Equipment

- Clean-In-Place Systems
- Clean-Out-Of-Place Systems
- Central High Pressure Systems
- Tunnel Washers
- Tote/Bin Washing Systems



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## Process Equipment Suppliers

- Allegheny Bradford Corporation
- Anderson Instrument Company
- APV
- Barnant/Masterflex Pumps
- Coreflex
- Flexible Components
- Graco
- ITT-Pureflo
- Kuriyama
- MitoS Technologies
- Murzan
- Pure Fit
- Rath Manufacturing
- Roplan Steridose
- Rubberfab
- Saint Gobain
- Sani Tech
- Sani Matic Systems
- Spirax/Sarco
- SVF Flow Controls
- W. L. Gore & Associates
- Waukesha Cherry-Burrell
- Xcellerex

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