

Single-Use Products

Our Mission: Design, Build and Deliver

- **50 years** of exceeding the pharmaceutical industry's demanding fluid handling needs
- **Engineering resources** to help guide you through new project design and implementation
- **Custom solutions** designed to improve production efficiency, reduce contamination risks, increase speed to market and minimize cleaning validation, keeping your company focused on producing high quality products

Tubing

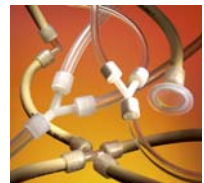
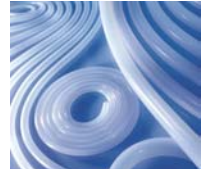
Featuring Saint Gobain Products: the Biopharm Tubing Leader

- **Silicones:** SaniTech Ultra, SaniTech STHT-C, SaniTech 65, SaniTech Sil-250 and SaniTech LA-60
- **TPE's:** C-Flex 374, C-Flex 082, C-Flex 072, SaniPure BDF and SaniPure 60
- **Pump Tubing:** PharmaPure, Sta-Pure and Chem-Sure
- **Fluoropolymer:** PharmaFluor - with matching resin compression fittings

Fittings and Connectors

Safe and Secure Fitting Systems

- **PureFit Sterile Connector:** Disposable Sterile Connector
- **Colder Steam-Thru II:** Disposable Sterile Connector
- **PureFit SIB:** smooth inner bore fittings
- **Barblock:** 360 degree radial crimp onto fittings
- **Value Plastics:** offering an array of forward thinking, single-use fittings
- **Eldon James:** industry standard disposable fittings
- **Stainless Steel:** traditional – machined to your specification



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Manifolds

Fully Customizable, Fabricated with Every Component You Need

- **Molded:** SaniTech SaniLinks (silicone) and C-Flex molded (TPE)
- **Single-Use Fittings Systems:** PureFit SIB, Barblock, Oetiker, Tygoprene, Colder Products, Eldon James and Value Plastics
- **Sampling:** Single-Use molded, manufactured from C-Flex materials
- **Traditional:** SS machined for all of your hybrid designs



Bottle Assemblies and Stoppers

Aseptically Sealed Vessel Solutions

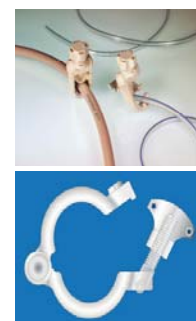
- **Bio-Simplex (J & J) EZ Tops:** : C-Flex molded bottle systems
- **SaniTech EZ Top Container Closures:** : SaniTech silicone molded
- **SaniTech Stoppers:** : SaniTech molded silicone blanks or punched out
- **SS Dip Tubes:** : SS machined to any length and size



Clamps and Valves

Ensuring Product Integrity

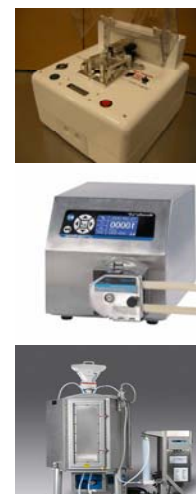
- **PureFit TC:** two piece, all plastic design
- **PureFit TruValve:** butterfly design with calibration markings on both sides
- **Mitos Free Flow Valve:** mirroring the action of a peristaltic pump without the shear
- **BioClamp:** reinforced nylon, sanitary tubing clamp
- **Traditional:** SS sanitary tubing clamps



Equipment

Computer Controlled, Single-Use Processing Equipment

- **Hynetics Single-Use Mixers:** unique vertical mixing from 30 to 10,000L
- **C-Flex C'eal Flex:** portable, hand-held TPE sealing at your fingertips
- **C-Flex Connect-Flex:** single-tool machine with the ability to perform wet welds
- **Masterflex Pumps:** the industry standard in peristaltic pumping



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Sanitary Process Components

Pumps

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



Valves: Manual and Actuated

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



Sanitary Flow Components

- Sanitary Stainless Steel Fittings and Tubing
- ASME BPE Fittings
- Plastic Sanitary Fittings and Piping Systems
- FDA and USP Class VI Lot Traceable Sanitary Gaskets and Seals



Custom Sanitary Flow Components

- Sanitary Stainless Manifolds
- Flow Diversion Panels
- Jacketed Assemblies
- Custom Piping Systems

Hose Assemblies

- Pharmaceutical Grade Silicone
- Smooth Bore and Convoluted Teflon
- Food Grade Rubber



Instrumentation

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



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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

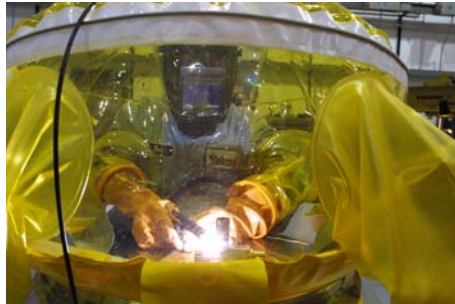


Vessels

- Stainless Steel and Polymer Tanks
- Processors
- CIP Tanks
- Scraped 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 (CIP) Systems
- Clean Out of Place (COP) Systems
- Central High Pressure Washer Systems
- Tunnel Washers
- Cabinet Washers



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Business Partners

- Aflex Hose
- Anderson Instrument Company
- APV
- Colder Products Company (CPC)
- Eldon James
- Em-Tec Flow Sensors
- Graco Pumps
- ITT Pure-Flo Diaphragm Valves
- Kuriyama
- Parker Mitos Technologies
- Quattroflow Pumps
- Pure Fit
- Rath Manufacturing
- Rubber Fab
- Saint Gobain
- Sani-Tech
- Sani-Matic Systems
- Spirax-Sarco
- Steridose
- SVF Flow Controls
- Value Plastics
- VNE
- W. L. Gore & Associates
- Waukesha Cherry-Burrell

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