

# transfer

## New Products Ensure Purity & Security

CSI Pleased to Offer GORE PharmaBio Products

CSI and the company that invented expanded polytetrafluoroethylene (ePTFE) and introduced it in the marketplace share a common interest in innovation and leadership. That is why CSI is pleased to announce that the latest addition to our product offering comes from **GORE PharmBio Products**. As the creators of ePTFE—and other leading products in the global pharmaceutical and bioprocess markets—GORE PharmBio Products demonstrates a legacy of innovative products that are now available to you through CSI.

GORE PharmBio Products showcases an impressive portfolio that includes single-use components that enable the safe transfer, containment and sampling of sterile liquids as well as high-purity solutions for SIP and CIP.

### STA-PURE Tubing

GORE STA-PURE tubing for peristaltic pumps helps critical fluid handling processes run more cost-effectively. In addition, GORE STA-PURE tubing also delivers superior protection against bursting and product contamination over a much longer time compared to conventional tubes. STA-PURE tubing also maintains stable flow rates over time, handles high pressures and high mechanical stress, and virtually eliminates spallation.

Using GORE STA-PURE tubing means fewer change-outs and higher-purity fluid handling; so, you can transfer media with utmost security and confidence.

Flexible and highly durable, STA-PURE tubing performs exceedingly well in the most sensitive and sanitary production environments. USP Class VI and EP 3.1.9. compliant, its unmatched purity significantly increases process consistency and product integrity.

**GORE PharmBio Products demonstrates a legacy of innovative products that are now available to you through CSI.**



The unique composite construction of GORE STA-PURE tubing provides superior burst resistance compared to non-re-

inforced silicone rubber and thermoplastic elastomer tubing. With burst strength approaching 360 psi (24 atm), the tubing can operate at elevated pressures for transfer, filtration, purification and in-line sterilization operations.

### Benefits of GORE STA-PURE Tubing:

- Provides greater security in peristaltic pumps and pinch valves
- Enables continuous high-pressure pumping
- Maintains stable flow rate
- FDA Type II Master File
- Manufactured in a clean room environment

### Gore TPE Tubing

GORE also offers a family of thermoplastic elastomer (TPE) tubing products to meet a variety of different pharmaceutical and

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bioprocess applications. TPE's are ideally suited for weldable applications, as well as high-purity fluid transfer. Overmolded and stainless steel end connectors can also be integrated into any of the GORE TPE products for added processing versatility.

- Enhances peristaltic pump life over competitive thermoplastic elastomer products
- Offers versatility in processing with the ability to customize tubing lengths

**GORE has designed and patented a novel device that provides a simple, cost-effective solution for aseptic fluid sampling.**

## Aseptic Single-Use Sampling Systems

Liquid sampling in pharmaceutical manufacturing is a critical operation; however, it can be complicated, time-consuming and highly dependent on the skill of the

operator. Now there is a more convenient and cost-effective way to accomplish liquid sampling.

The GORE STA-PURE Fluid Sampling System is a fully disposable, completely assembled system for biopharmaceutical fluid sampling. Based on the critical requirements identified by end users, GORE has designed and patented a novel device that provides a simple, cost-effective solution for aseptic fluid sampling.

Delivered as a pre-assembled, sterile, closed system—and incorporating an intuitive lever valve actuation—the GORE Aseptic Sampling Device is easy to use and maximizes operator efficiency. GORE also offers a wide variety of options allowing you to customize the device to fit your application.

GORE STA-PURE  
Fluid Sampling  
System

GORE TPE tubing for peristaltic pump applications (Series AMP) is specifically designed for use in high-purity applications that require extended life peristaltic pumping. This opaque tubing is soft and flexible, thermally weldable, heat sealable, and has a broad range of chemical compatibility.

## Benefits of GORE TPE Tubing for Peristaltic Pump Applications:

- Offers mechanical properties superior to other thermoplastic elastomers
- Provides good flexibility to meet a variety of processing challenges
- Meets specific process connection requirements with compatible stainless steel and non-metallic molded end connections

## Design Your Own Single Use System

When engineers need to build a custom fluid assembly in order to meet their manufacturing process needs, they simply need to go to [www.csidesigns.com](http://www.csidesigns.com).

CSI now offers custom sampling sets to meet your exact design specification, and our website contains a new tool to help you with the design process.

The GORE STA-PURE Bioprocess Configurator is an easy-to-use, step-by-step, interactive tool with a drag and drop interface that enables you to build and modify customized fluid assemblies. You can even create an account to save your drawings.

### Customizable Options Include:

- Device type
- Tubing material and length
- Collection container type and size
- Container outlet type
- Safety and convenience options
- Straight, split or custom manifolds with legs



Try out this amazing new tool when you visit our website at [www.csidesigns.com/gore.php](http://www.csidesigns.com/gore.php). Click the "Design Your Own" link to access the Bioprocess Configurator. If you need assistance, or would like to place an order, contact a CSI customer service representative at **800.654.5635**.

## Benefits of the GORE STA-PURE Fluid Sampling System:

- Improves delivery of fragile cell media via its needle-free, smooth fluid transport valves
- Eliminates assembly time and cleaning costs
- Connects to standard vessel ports and works with existing equipment
- Increases versatility through a modular design and full range of optional peripherals
- Enables multiple but discrete aseptic sampling from a single vessel port with an option of single and five-valve devices
- Ability to fit any process protocol (CIP/SIP-compatible, customized configurations and collection container options)

CSI is excited to offer these high-performance, technology-driven products to better serve customers in the global pharmaceutical and bioprocess markets. For more information about the innovative, resourceful line of GORE PharmBio Products, visit [www.csidesigns.com/gore.php](http://www.csidesigns.com/gore.php) or call a CSI customer service representative at **800.654.5635**.



## Twelve-Year Career at CSI Leads to New Position



Each day is a new challenge. It might be as diverse a challenge as a five-dollar spare part, or a half a million-dollar expansion project, but **Donovan Hensley** is up to whatever the day presents.

Handling the unexpected is one thing Donovan enjoys as CSI's new Manager of Customer Service. With a team of ten enthusiastic customer service representatives, Donovan and crew are ready for whatever their diverse customer base might request.

Donovan enjoys talking to customers about what they're dealing with in their world. This helps him understand their needs and allows him to put his twelve years of experience to work filling those needs. This is a skill that he coaches and mentors his team to develop as well.

His path to CSI is an interesting one. Starting his college education at Fort Scott Community College, Donovan was captain of the academic team, president of student senate, and a member of the livestock judging team. He then headed to Texas Tech on a scholarship to judge livestock, and graduated with a bachelor's in agricultural communications.

In 1997, Donovan began his career at CSI in a data entry/cleanup position. A year later, he was moved to customer service. In 2001, he became Customer Service Supervisor followed by a move to sales. Now, he finds himself back in customer service, but plans to stay involved in sales by maintaining some of his accounts.

A team player and excellent leader, Donovan is a great fit at CSI where exceptional customer service is a must.

When not at CSI, Donovan spends his free time on the lake practicing or competing in bass fishing. He also enjoys running and weight training.

Whether you have a five-dollar or half a million dollar issue, Donovan and his team are ready to talk and listen. Together, you might even come up with an unexpected solution. So give him a call today at **800.654.5635, extension 145**.

## Upcoming Events

### ISPE Midwest Chapter Vendor Day May 7, 2009

Renaissance Hotel - St. Louis Airport  
9801 Natural Bridge Road,  
St. Louis, MO 63134

### Process Expo Las Vegas October 5-7, 2009

Las Vegas Convention Center  
3150 Paradise Road  
Las Vegas, NV 89109

Co-located with PACK EXPO and CPP EXPO

For more information about upcoming events, visit [www.csidesigns.com/news.php](http://www.csidesigns.com/news.php) or call us at **800.654.5635**.



**Midwest Chapter**

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## Great Value Flows to Customers with 3-A Hose Assemblies

Quality and value remain constants with CSI's 3-A hose assemblies fabricated at our Fowler, California facility.

Now, CSI is pleased to announce that our partner, **Ace Manufacturing Company**, has completed the TPV (Third Party Verification) Program to ensure our hose assemblies meet all 3-A criteria for current standard 62-01 and the soon-to-be new standard 62-02.

Ace Manufacturing, and ISO 9001 registered company, has consistently maintained a strong commitment to excellence throughout their 40 years of service to a wide variety of industries and business segments.

Evidence proving Ace Manufacturing's commitment is found in their development of the innovative Seal-Rite radial crimp couplers used on their hose assemblies. Seal-Rite fittings utilize the exclusive TwistLOC technology to provide an inseparable 360° fixed seal

between the coupler stem and hose. Unlike internal expansion methods, which can deform metal and leave die impressions, the Seal-Rite radial crimp process will not interfere with the internal surface of the coupling system. For added protection, a full-flow, smooth bore transition is created after fabrication that eliminates ledges or crevices that can collect bacteria.

In addition to a generous inventory of bulk hose and a wide variety of fittings, CSI is proud to be a factory certified, 3-A certified assembly center. CSI offers complete assembly services using our state-of-the-art crimping machine with computerized controls. The ultra-precise controller module utilizes sensors that measure and integrate both die position and required crimp force—automatically compensating for tolerance variations in the hose and fitting combination. This feature ensures that every hose

assembly is crimped correctly every time.

Our Fowler, California facility's assembly capabilities give us the ability to provide all CSI customers with quick turnaround on a wide selection of hose and fitting combinations ranging from ½ to 4" diameter and virtually any length needed.

When you need help with your hose and hose assembly needs, call CSI today at **800.654.5635**. A knowledgeable customer service representative is ready to show you the great value that can flow to you.

