



The World of Custom Hose Assemblies

Fluid Transfer efficiency - Re-defined



biopulsesolutions.com

About BioPulse Solutions

BioPulse Solutions provides customised Stainless Steel bioprocessing systems and fluid handling solutions that are designed to meet the specific needs of biopharmaceutical manufacturers. Solutions include, Cleanroom Hose Assemblies, Stainless Steel Fermenters, Bioreactors and Process Systems. Our comprehensive solutions not only enhance process efficiency but also ensure the highest standards of product quality and safety for biopharmaceutical manufacturing.

YOUR PREMIUM SOURCE FOR HIGH-QUALITY FLUID TRANSFER SOLUTIONS

Our comprehensive range of high-quality Hoses, from global manufacturers with Open Architecture, are customised to length and integrated with superior-grade End Connections in Certified Cleanroom Environment, under optimal conditions for purity and sterility. BioPulse facility is equipped with advanced tools & machines, ensuring that the final product meets the highest standards of quality, performance, and safety. Our Manufacturing, Quality Control Procedures & Documentation provide a high level of confidence and reliability in critical Biopharma applications.

The BioPulse Advantage

- Open Architecture
- Comprehensive Range
- Made to Order
- Integration in Certified Cleanroom
- Customized Technical Consultation
- Robust Documentation
- Online Configuration
- Stringent Quality Control Procedures
- Prototype development on request

We have the Competitive Edge

Our Holistic approach ensures that our customers are always in focus ensuring a hassle-free experience through the entire purchase process and beyond. We ensure they receive the custom solutions they need with a firm focus on delivering performance, quality and value where it matters. Our goal is to ensure that our customers focus on what is necessary i.e. manufacturing Life Saving Drugs.



Specialization

- Open Architecture – Wide Choice of Hose Materials & Manufacturers
- Certified Clean Room Facility with GMP Guidelines
- Stringent Quality Control Procedures



End Connections

- Sanitary TC End Fitting
- TC End Reusable Fitting
- Fitting with 45 degrees and 90 degrees elbows
- Other customised fitting [\(On request\)](#)



Our Solutions

- Hose Assembly with Stainless-Steel End Fittings
- Pre-sterilized Braided Silicone Hose with Overmoulded TC Fitting



Hose Material

- Braid-Reinforced Silicone
- Wire-Reinforced Silicone
- Flexible PTFE with Silicone Cover
- Platinum-Cured Silicone
- PTFE
- FEP
- PVDF



Documentation

- Certificate of conformance for Hose Assembly with consolidated information
- Certificate of conformance for Hose material
- Supporting documents
 - Material Test Report for SS fittings
 - Surface Finish Report for SS fittings
 - Leak Test Report [\(On request\)](#)



Talk to the EXPERTS TODAY



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Pre-sterilized Single use Molded Hose Assemblies

Reduce the risk of cross-contamination and batch-to-batch variability for your critical biopharma applications. Our Single-use Hose assemblies eliminate the need for complex cleaning validation processes, minimizing downtime and increasing productivity.

Product Description

- Molded sanitary ends are available in standard and mini molded TC styles up to 1-1/2"
- Custom sizes available
- The single piece molded ends greatly reduce the risk associated with barb-type fittings and are an ideal choice for critical fluid transfer applications in Biopharma operations
- All products are produced in a certified cleanroom and include material certification and lot traceability

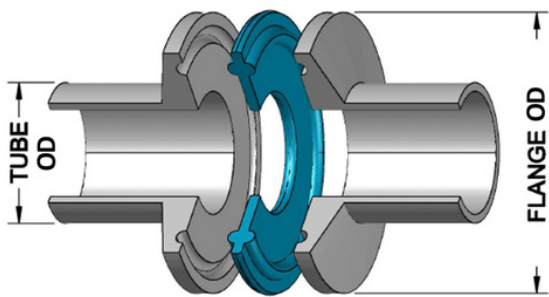
Key Features

- Excellent component for single-use systems
- Smooth interior for excellent flow & performance
- Available in standard and mini sanitary ends
- Documented quality control
- Custom Assemblies made-to-order

Typical Applications

- Pharmaceutical and bioprocessing
- Vaccine manufacturing
- Ultra-pure sterile fluid transfer
- Aseptic transfer
- Filling operations
- Media processing

Selection Guide



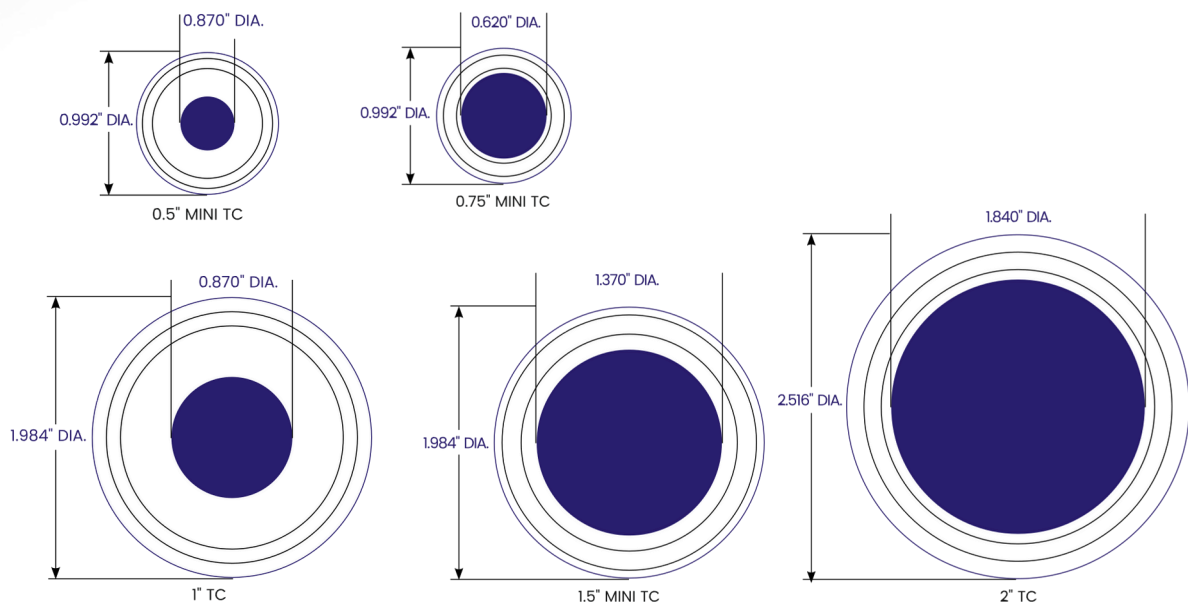
Tri-Clamp Sizing Guide

- Tri-Clamp (TC) is a commonly used term for the sanitary fittings with a clamp and ferrule in process applications.
- TC Size is governed by the tube OD and not by the TC/Flange OD.

Hose/ Gasket Size (inch)	TC Size (inch)	Tube OD (inch)	Tube OD (mm)	TC/ Flange OD (inch)	TC/ Flange OD (mm)
1/2"	1/2"	1/2"	12.7	0.984"	25
3/4"	3/4"	3/4"	19.05	0.984"	25
1"	1"	1"	25.4	1.984"	50.39
1 1/2"	1 1/2"	1 1/2"	38.1	1.984"	50.39
2"	2"	2"	50.8	2.516"	63.91
2 1/2"	2 1/2"	2 1/2"	63.5	3.047"	77.39
3"	3"	3"	76.2	3.579"	90.91
4"	4"	4"	101.6	4.682"	118.92

Actual Sizing

- These actual size drawings are provided to eliminate sizing errors when specifying sanitary fittings and gaskets
- For your convenience and ordering accuracy, all these drawings may be used as sizing ID and OD patterns
- The outside diameter is the same for TC sizes 1/2" and 3/4". The same holds true for the 1" and 1-1/2" TC sizes.
- TC sizes 2", 2-1/2", 3" and 4" ID have specific OD diameters.



**Get your
Pre-sterilized | Custom | Single-Use
Hose Assemblies TODAY!**

Contact Us