



SUT ASSEMBLIES FOR THE BIOPHARMACEUTICAL INDUSTRY

Reduced cross contamination risks, simplified cleaning procedures and customizable solutions, are just a few key reasons single-use systems have emerged as a key manufacturing platform for the global biopharmaceutical community. WHK's BioSystems team offers decades of industry experience and we're ready to put it to work for you!



ASEPTIC TRANSFER BOTTLES

Our bottle assemblies accommodate most standard bottle sizes and offer a variety of configuration options.

- Typical applications include batch sampling, cell culture, media/buffer storage and general lab research
- From "Package to Production," sterilization options allow for immediate use right out of the bag
- Highly customizable to suit any design requirements



W-TPE™ BIOPHARM TUBING

Our material is specifically formulated and tested to meet the rigorous demands of the Biopharm industry.

- Extruded in an ISO Class 7 cleanroom environment
- Heat sealable/weldable
- BPA, Latex, Phthalate and animal free
- Class VI, USP 85, USP 87, USP 788



OVERMOLDING TECHNOLOGY

A core competency of WHK, injection molded solutions provide the cleanest, most secure fluid management products in the industry.

- Specializing in TPE and silicone materials
- With contract manufacturing, our diverse injection press sizing allows for full production scalability
- Experienced engineering team with material and processing expertise to handle the most demanding requirements



DEVICE ASSEMBLY

WHK understands the unique and challenging supply chain requirements facing OEMs.

- ISO 13485:2016 certified Quality Management System
- ISO Class 7 cleanroom manufacturing environment
- Comprehensive quality control systems and regulatory body experience
- Full suite of manufacturing capabilities
- Extensive experience manufacturing for single-use biopharmaceutical applications



CUSTOM TUBE SETS

We offer tube set design and manufacturing services using a wide variety of components and materials.

- Utilize industry leading brands like C-Flex®, Colder, Advantapure® and Pharmed BPT®
- High-quality, cost-effective sets with short lead times

Do More With WHK BioSystems

With Design Services, we will take you from pre-planning to production without losing sight of cost or quality. We also offer Complementary Manufacturing Services like RF welding, plastic machining, custom packaging and kit assembly!

[Find out more at whkbiosystems.com/capabilities](http://whkbiosystems.com/capabilities)

User is responsible for determining suitability and safety of all products for intended use. Information as supplied in this document is intended to provide guidance only. WHK BioSystems disclaims all liability regarding this products fitness for use. WHK BioSystems has also relied on raw material suppliers for a portion of the information and compliance statements contained in this document.



All SUT Assemblies are put together
by WHK BioSystems in the USA!



WHK BioSystems, LLC, is a wholly owned subsidiary of TSE Industries, Inc.

