



SINGLE-USE SYSTEMS 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™ BIOPHARMACEUTICAL 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

If you're searching for a contract manufacturing partner, WHK understands the unique and challenging supply chain requirements facing OEMs.

- ISO 13485:2016 certified and FDA registered
- 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

Did you know that WHK BioSystems has a full suite of services to meet your every need? With Design Services, we'll 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)

