



INNOVATIVE MANUFACTURER

Single-use process components and assemblies with
biopharma, life science, and cell therapies in mind.

- ◻ Single-Use Technology Assemblies
- ◻ Molded Sanitary Connections
- ◻ Transfer Bottle Assemblies
- ◻ Silicone Sanitary Gaskets
- ◻ W-TPE™ Tubing
- ◻ Overmolded Tubing Connections
- ◻ Bottle Stopper Configurations

Single-Use Technology Assemblies



Single-use assemblies address issues such as simplified cleaning procedures, reduction of cross-contamination risks, and customizable solutions.

- Custom tube kits integrated with an array of tubing, bottles, filters, clamps, and connectors
- Final fill manifolds in a wide variety of arrangements
- Overmolded technology with an extensive tooling library in TPE and silicone materials

Molded Sanitary Connections



Molded platinum-cured silicone and TPE sanitary connections are ideal for critical fluid transfer applications in the biopharma, cell therapies, and medical fields.

- 1-1/2" or 3/4" Connection
- Single or Double Ended Connections
- Polysulfone or Stainless Back Up Cup
- Standard Tube Lengths: 12", 18", 24", 36"
- Platinum-cured Silicone tubing or TPE tubing

Transfer Bottle Assemblies



Designed for efficient aseptic transfer, various options and accessories are available with complete transfer bottle assembly.

- Overmolded stoppers with multiple ports
- Tubing in a variety of diameters, thicknesses, lengths
- Diptube notches are cut standard
- Standard white caps fit most industry bottles, optional colors for bottle identification available

Silicone Sanitary Gaskets



Our platinum-cured silicone sanitary fitting gaskets are ideal for applications in Cell Culture, WFI Water, Sterile Solutions, and Single-Use Assemblies.

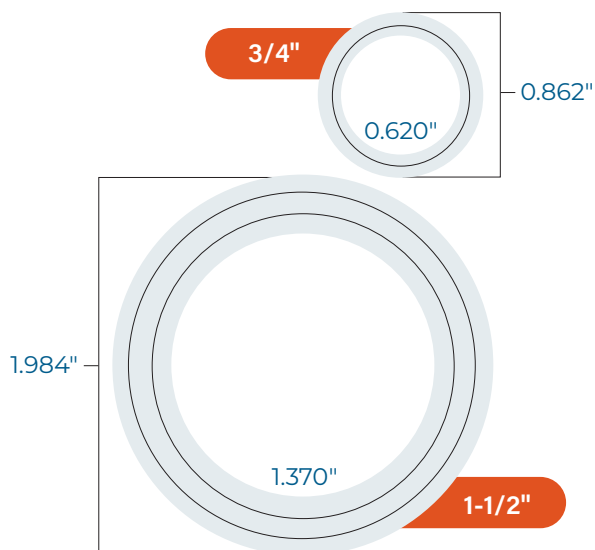
- Gaskets available in 1-1/2" and 3/4"
- Lot and batch traceability and certification available
- Gaskets are Animal-Derived Ingredient Free
- Temperature range from -40° F to 450° F
- SIP up to 30 psi at 123° C

W-TPE™ Tubing








Our W-TPE is capable of handling applications like sensitive fluid transfer and peristaltic pumping.

- Weldable/Heat Sealable
- ADCF
- Sizes: 0.063" ID to 1.5" ID
- Documented Lot Tracing
- Flexibility: -50°F to 275°F
- REACH/RoHS Compliant
- Phthalate, BPA, Latex-free



Overmolded Tubing Connections

Overmolded tubing connections provide seamless leak prevention for critical fluid transfer needs.

	Overmolded Connection Styles	Tubing Sizes
	Overmolded Tee	
	Allows for uninterrupted fluid transfer eliminating obstructions, fluid loss, or connection failure	1/8" x 1/4" 3/8" x 5/8" 1/4" x 3/8" 1/2" x 3/4" 1/4" x 1/2"
	Overmolded Cross	
	Allows for constant fluid flow through a cross section of tubing, similar to that of the tee shape.	1/8" x 1/4" 3/8" x 5/8" 1/4" x 3/8" 1/2" x 3/4"
	Overmolded Coupler	
	Creating a smooth path, bridges two same-sized pieces of tubing. Coupler connection is greater than tube burst strength.	1/8" x 1/4" to 1/8" x 1/4" 1/4" x 3/8" to 1/4" x 3/8" 1/4" x 3/8" to 1/4" x 1/2"
	Overmolded Wye	
	Maintains shape as fluid separates or combines through wye junction.	1/4" x 3/8" 1/2" x 3/4" 3/8" x 5/8" 1/2" to 1/4"
	Overmolded Reducer	
	Connects two different tubing sizes.	5/8" x 3/4" to 1/16" x 1/8"

Bottle Stopper Configurations

Bottle stopper closures are available in TPE and silicone and work with a number of industry brands including Nalgene®, Corning®, and Falcon™.

Compatible Cap Size	Tubing Size - Port 1	Tubing Size - Port 2	Tubing Size - Port 3	Tubing Size - Port 4
15ml Centrifuge Tubes	0.063 x 0.125	0.063 x 0.250	NA	NA
50ml Centrifuge Tubes	0.063 x 0.125	0.063 x 0.250	NA	NA
24mm	0.125 x 0.250	0.125 x 0.250	NA	NA
38 - 430	0.063 x 0.250	0.063 x 0.250	NA	NA
38 - 430	0.125 x 0.250	0.125 x 0.250	0.125 x 0.250	NA
38 - 430	0.125 x 0.250	0.125 x 0.250	NA	NA
38 - 430	0.125 x 0.250	0.125 x 0.250	NA	NA
38 - 430	0.125 x 0.250	0.125 x 0.250	0.250 x 0.375	0.250 x 0.375
53B	0.125 x 0.250	0.125 x 0.250	NA	NA
53B	0.125 x 0.250	0.250 x 0.375	NA	NA
53B	0.125 x 0.250	0.125 x 0.250	0.250 x 0.375	0.250 x 0.375
45mm	0.125 x 0.250	0.125 x 0.250	NA	NA
70mm	0.125 x 0.250	0.250 x 0.375	NA	NA
83mm	0.500 x 0.750	0.500 x 0.750	NA	NA
48mm	0.125 x 0.250	0.125 x 0.250	NA	NA

WHK Capabilities

Design Services

From design concept to full-scale production, allow us to partner with you to create ideal solutions for your project.

- Medical Device Contract Manufacturing
- In-house laboratory to conduct rapid testing
- Custom injection molding capabilities
- Tooling design and validation

Injection Molding

Dramatically reduce the production time of medical device and single-use process components through our in-house design and tooling capabilities.

- Specializing in TPE and silicone materials
- Production scalability via diverse injection press sizing

Medical Tubing Extrusion

Extrusion technology specifically designed for a variety of uses ranging from biotechnology to catheter tubing.

- Broad range of material option (TPE, PP, FEP, PVC, PE)
- BPA, Latex, and Phthalate-free materials
- Laser and ultrasonic measurement systems for precise dimensional control



Complementary Services

RF Welding

Ideal for production of low-pressure bags, barrier sleeves, sheaths. Film consists of PET, PETG, PVC, TPU.

Plastic Machining

3D designs with lathes, routing, milling, and CNC using a array of FDA-approved plastic materials.

Rapid Prototyping

Get crucial feedback and design a better product. Test parts early and frequently through iterative designs.

Laser Cutting/Engraving


Achieve a high level of precision for custom components. Engraving uses include serial, lot, or part numbers.

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