

Pure-Fit™ TC Tube Clamp System



Pure-Fit® TC two-piece design allows connection before or after the tubing assembly is completed. The integral bore hole offers total lock-out capability.

Pure-Fit® TC

The Pure-Fit® TC Tube Clamp System represents a new generation of clamping technology for the pharmaceutical industry. It features an outer body with no sharp edges, eliminating the potential for snags, scratches or punctures; a press-down locking system that is fully encapsulated to guard against untimely or unwanted release; and a side release mechanism that facilitates secure, single-handed installation and operation. Pure-Fit® TC features an integral bore hole for absolute lock-out capabilities. The innovative design allows for complete flow stoppage and can be installed over the tube in the normal fashion or put together after the tube is already part of a completed assembly.

Pure-Fit® TC Characteristics

Pure-Fit® TC is constructed from high performance thermoplastic materials such as PVDF or polypropylene. Pure-Fit® TC comes in two standard sizes (3/8" and 3/4") to accommodate a wide range of tubing products.

Pure-Fit® TC Compatibility

Pure-Fit® TC is fully autoclavable and sterilizable and meets all USP Class VI criteria. Pure-Fit® TC tube clamps have been physically tested to meet the most demanding applications.

BIOPHARMACEUTICAL PRODUCTS

The Ultimate Tube Clamp System

Features/Benefits

- Provides complete fluid stoppage
- No sharp edges or corners helps prevent punctures and ruptures
- Internal ratchet mechanism meters fluid flow
- Can be installed on or over tubing or finished assemblies
- High degree of leverage accommodates varied durometer tubing
- Single-hand installation capability for ease of operation
- Unique top locking mechanism and side release prevents unwanted openings
- Integral bore hole for lock-out capabilities
- Available in PVDF or polypropylene
- Fully autoclavable and sterilizable
- Custom colors and identification available

Typical Applications

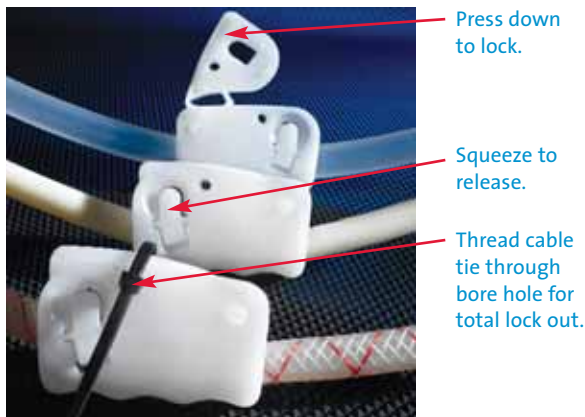
- Biopharmaceutical manufacturing
- Pharmaceutical processes
- Peristaltic pump sets
- Drug delivery and discovery
- Medical systems
- Laboratory functions
- Assemblies and tubing sets

Pure-Fit® TC Selection Guide

Part Number	Material	Tubing Range, O.D. (Inches)	Minimum, Wall Section (Inches)
PFTC375PP	Polypropylene	1/8-3/8	.030
PFTC375PVDF	PVDF	1/8-3/8	.030
PFTC750PP	Polypropylene	3/8-3/4	.060
PFTC750PVDF	PVDF	3/8-3/4	.060

Typical Physical Properties

Property	Polypropylene	PVDF
Tensile Strength, psi (MPa) ASTM D638-91	4,800 (33.1)	6,300 (43.4)
Flexural Modulus, psi (MPa) ASTM D790-92	145,000 (999.7)	290,000 (1,999.5)
Hardness (Shore D) ASTM D2240-91	72	78
Heat Deflection ASTM D648-82		
°F (°C) @66 psi	189 (87)	266 (130)
°F (°C) @264 psi	—	221 (105)
Water Absorption (%) ASTM D570-81	0.01	0.03
Maximum Recommended Working Temperature °F (°C)	200 (93)	275 (135)



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PURE-FIT® TC IS NOT INTENDED FOR USE AS AN IMPLANT MATERIAL

Pure-Fit® is a registered trademark.

BIOPHARMACEUTICAL PRODUCTS

Come through clean.™

Saint-Gobain Performance Plastics

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