

## State-of-the-Art Design Allowing for Easy Operation

The biopharmaceutical industry has made a strong move towards single-use technology, so Nordson MEDICAL has developed ground-breaking clamp designs that simplify the assembly process. Effortlessly and securely attach sanitary fittings to bag ports and filters with PharmaLok™ Easy-Open Clamps, and close off flow with PharmaLok™ Tube Clamps.



### Single-Use Clamps & Easy-Open Clamps Features & Benefits

- ASME BPE 018 DT-7-1 compliant & DIN compliant
- Easy to use, one-handed closure - no tools needed
- Repeatability with constantly equal pressure on the gasket
- Tamper evident & zip tie compatible
- 360° compression
- Connects both plastic and stainless steel fittings
- SIP/CIP compatible

### Specifications

- **Materials:**  
Zytel® FGFE5171 glass-filled nylon certified to USP Class VI & ISO 10993 and available in white, blue, or orange
- **Temperature & Sterilization Specifications:**  
Normal operating temperature -94° F (-70° C) to 140° F (60° C)  
Cryogenic freezing to -112° F (-80° C)  
Autoclavable up to 273° F (134° C) for a maximum of 30 min.  
Gamma radiation up to 50 kGy
- **Maximum Pressure:**  
80 psi (conforms to ASME BPE-2014 PM-4.2.2)
- **Sizes:**  
Fitting .5" (12.7 mm) to .75" (19.0 mm) and 1" (25.4 mm) to 1.5" (31.8 mm)

### Tube Clamps Features & Benefits

- Designed for use with silicone & TPE tubing
- Easy to use, one-handed closure - no tools needed
- Tamper evident & zip tie compatible

### Specifications

- **Materials:**  
Zytel® FGFE5171 glass-filled nylon certified to USP Class VI & ISO 10993 and available in white or orange
- **Temperature & Sterilization Specifications:**  
Normal operating temperature -94° F (-70° C) to 140° F (60° C)  
Cryogenic freezing to -112° F (-80° C)  
Autoclavable up to 273° F (134° C) for a maximum of 30 min.  
Gamma radiation up to 50 kGy
- **Maximum Pressure:**  
Up to 150 psi
- **Thin-Walled Tube Clamp Size:**  
Wall thickness 1/32" (0.79 mm) to 3/32" (2.38 mm),  
Max OD 1/2" (12.7 mm)
- **Tube Clamp Size:**  
Wall thickness 1/8" (3.2 mm) to 1/4" (6.4 mm),  
Max OD 1" (25.4 mm)
- **Large Tube Clamp Size:**  
Wall thickness 1/8" (3.2 mm) to 1/4" (6.4 mm), Max OD 2.5" (63.5 mm)

### Easy-Open Clamps



**CPAX150 (-U71, -U75, -U706)**  
Tri-Clover Easy-Open Clamp for Maxi Flange, 1" (25.4 mm) to 1.5" (38.1 mm), Glass-Reinforced White, Blue, or Orange Nylon



**CPAN75 (-U71, -U75, -U706)**  
Tri-Clover Easy-Open Clamp for Mini Flange, .5" (12.7 mm) to .75" (19.0 mm), Glass-Reinforced White, Blue, or Orange Nylon

### Single-Use Clamps



**CPX150 (-U71)**  
Single-Use Series Clamp, TC Version 1" (25.4 mm) to 1.5" (38.1 mm), Glass-Reinforced White Nylon



**CPN75 (-U71)**  
Single-Use Series Clamp, TC Version .5" (12.7 mm) to .75" (19.0 mm), Glass-Reinforced White Nylon

### Tube Clamps



**CPT90 (-U71, -U706)**  
PharmaLok™ Small and Thin-Walled Tube Clamp, Wall Thickness 1/32" (0.79 mm) to 3/32" (2.4 mm), Max OD 1/2" (12.7 mm), Glass-Filled White or Orange Nylon



**CPT100 (-U71, -U706)**  
PharmaLok™ Tube Clamp, Wall Thickness 1/8" (3.2 mm) to 1/4" (6.4 mm), Max OD 1" (25.4 mm), Glass-Filled White or Orange Nylon



**CPT110 (-U71, -U706)**  
PharmaLok™ Large Tube Clamp, Wall Thickness 1/8" (3.2 mm) to 1/4" (6.4 mm), Max OD 2.5" (63.5 mm), Glass-Filled White or Orange Nylon