

# PHARMA<sup>TM</sup>Lok

## Clamps

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 by making it effortless to securely attach sanitary fittings to bag ports and filters.

Nordson MEDICAL's PharmaLok™ clamps are ASME BPE compliant and operate at a maximum pressure of 80 psi. Single-use and easy-open clamp sizes include .5" to .75" and 1" to 1.5", and the tube clamp supports tubing sizes from .5" to 1.25".

Pharmalok clamps provide a significant advancement for the industry, as a number of existing solutions either require tools for closure or consist of multiple components, which turns what should be a simple operation into a difficult and awkward process.

Easily operated with one hand, PharmaLok's patented design allows effortless attachment of fittings to bag ports and filters. The user simply rests the fitting in the PharmaLok's regulation-sized slot, lightly grips the surrounding handles, and listens for the sound of clicks to confirm a secure connection.

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

#### Features & Benefits:

- ASME BPE 2014 DT-9.3.1 compliant
- DIN compliant
- Easy to use, one-handed closure - no tools needed
- Tamper evident and zip tie compatible
- 360° compression
- Connects both plastic and stainless steel fittings
- SIP/CIP compatible

#### Specifications:

**Materials:** USP Class VI & ISO 11137 certified glass-filled nylon

**Sterilization:** Gamma Radiation up to 50 kGy, autoclavable up to 273°F (134°C) for a maximum of 30 min.

**Sizes:** .5" to .75" and 1" to 1.5"

**Operating Temperature:** -94°F (-70°C) to 140°F (60°C)

**Maximum Pressure:** 80 psi (conforms to ASME BPE-2014 PM-4.2.2)

### Tube Clamps

#### Features & Benefits:

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

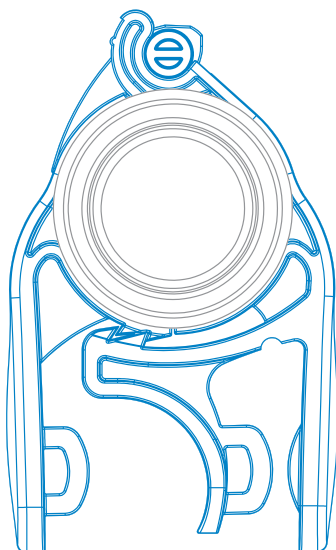
#### Specifications:

**Materials:** USP Class VI & ISO 11137 certified glass-filled nylon

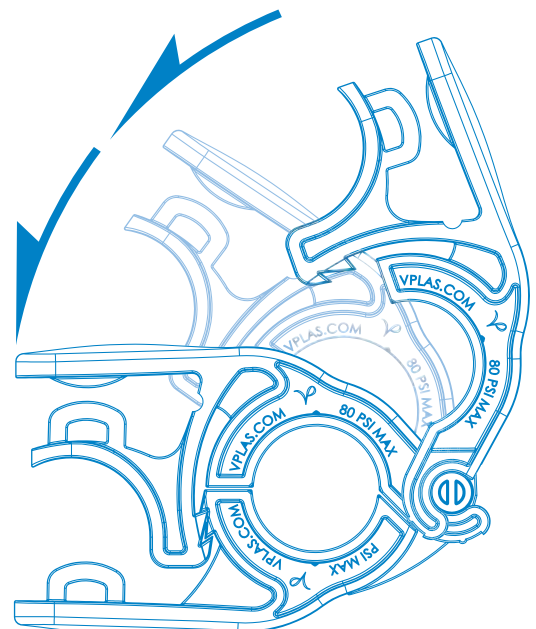
**Sterilization:** Gamma Radiation up to 50 kGy, autoclavable up to 273°F (134°C) for a maximum of 30 min.

**Sizes:** .5" to 1.25" Tubing OD

**Operating Temperature:** -94°F (-70°C) to 140°F (60°C)



**Easy,  
2 Click  
Closure**



**360° Compression**