



# NovaSeal™ & NovaSeptum® Crimping Tools

Securely seal and separate single-use tubing

## Maintain a sterile fluid path

NovaSeal™ pinch pipes ensure that sterility is maintained and that the fluid is securely protected from the outside environment at all times. Our unique crimping tool designs utilize size-specific Cutting Dies to seal and separate a pinch-piped tube in one simple motion. The pinch-pipe/tubing combination, along with the crimping tool, enables a leak free disconnection of your single-use assembly.

The patented design of the crimping tool seals and separates the flow path as the pinch-pipe is crimped and cut, enabling the sterile separation of tubing. As part of the Mobius® family of single-use bioprocessing technologies, NovaSeal™ technology enables easy and secure separation of tubing in single-use assemblies.

## The right tool, the right size

Crimping tools are offered in 2 sizes, NovaSeptum® manual crimping tool for 3 mm x 6 mm OD tubing and NovaSeal™ battery-powered crimping tool for use on ¼ inch, ⅜ inch, and ½ inch ID tubing with a wall thickness of ⅛ inch.



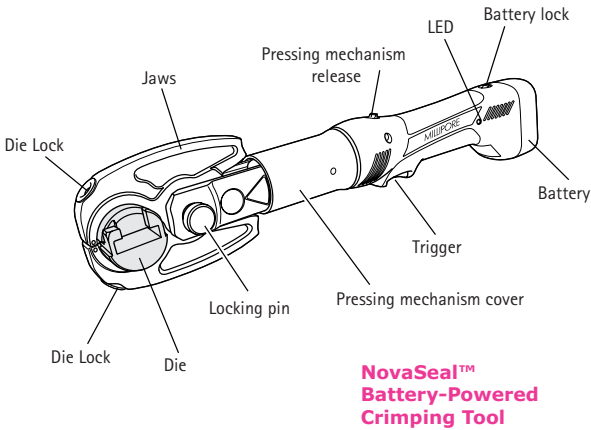
## Benefits

- Sterile Disconnection method
- Quickly seals silicone and thermoplastic elastomer tubing
- Light weight and portable devices
- Fast and efficient cycle time
- Compatible with a variety of silicone and TPE tubing\*  
(\*Please see Validation Guide)

Easy to use

In one motion, the tube of your single-use assembly can be crimped to ensure a leak free and sterile seal then cut to disconnect the tubing.

- 1. Place the tubing with metallic pinch-pipe into the die of the tool.
- 2. Squeeze the trigger switch on the handle of the tool to complete the crimp and cut cycle.
- 3. Remove the sealed tube from the jaw set.



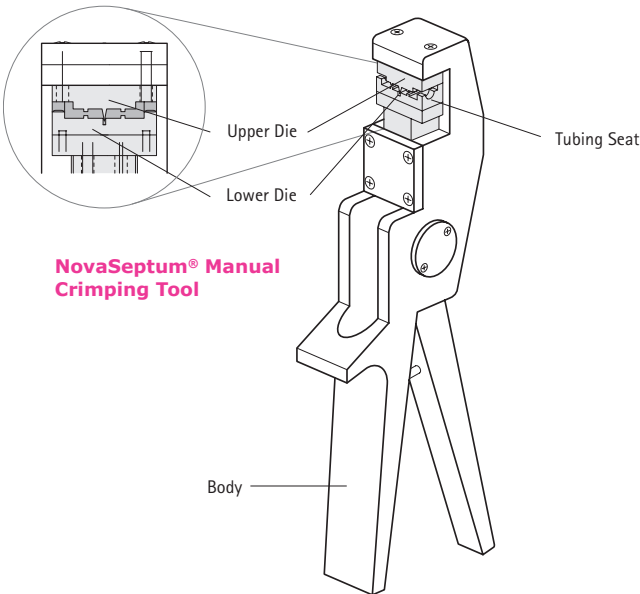
NovaSeal™ Battery-Powered Crimping Tool

NovaSeal™ Battery-Powered Crimping Tool

Dimensions	
Weight	2.5 kg (5.5 lbs)
Materials of Construction	
Body	Polyamide
Crimping jaws	Nickel-plated steel
Crimp and cut die	Nickel-plated steel
Screws and bearings	Stainless steel
Cycle Time	approximately 4 seconds
Thrust Force	15 kN
Battery Voltage	10.8 V
Battery Charging Time	approximately 40 minutes
Cycles per charge	100–150
Operating Temperature Range	5 to 50 °C
Sound Level	70.6 dB (A) at a distance of 1 m
Vibrations	< 2.5 m²

NovaSeptum® Manual Crimping Tool

Materials of Construction	
Body	Aluminum
Lower die	Steel with hardened special surface treatment
Upper die	Steel with hardened special surface treatment
Screws and bearings	Stainless steel



NovaSeptum® Manual Crimping Tool

## Ordering Information

### NovaSeal™ Battery-Powered Crimping Tool Kit

100–120 V US and Japan plug	NM0043
220–240 V Europe plug	NM0044
220–240 V UK plug	NM0045

### NovaSeal™ Crimping Tool Replacement Parts

#### Battery chargers

100–120 V US and Japan plug 10.8 V Li-Ion	NM0046
220–240 V Europe plug 10.8 V Li-Ion	NM0047
220–240 V UK plug 10.8 V Li-Ion	NM0048

<b>Extra/replacement battery, 10.8 V Li-Ion</b>	NM0042
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<b>Universal Jaw Assembly</b>	NM0025
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### NovaSeal™ Battery-Powered Crimping Tool Kit

Tool kit includes the crimping tool, battery, charger, and jaw assembly. Die is not included.

### NovaSeal™ Cutting Die, Pinch Pipe & Protective Cap

#### Tubing: ¼ in. ID x ½ in. OD

Cutting Die	NM0021
Pinch Pipe (100 count)	NM0001PK100
Silicone Protective Cap (200 count)	NM0039

#### Tubing: ⅜ in. ID x ⅝ in. OD

Cutting Die	NM0022
Pinch Pipe (100 count)	NM0019PK100
Silicone Protective Cap (200 count)	NM0041

#### Tubing: ½ in. ID x ¾ in. OD

Cutting Die	NM0023
Pinch Pipe (100 count)	NM0002PK100
Silicone Protective Cap (200 count)	NM0040



### NovaSeal™ Dies and Pinch pipes



### NovaSeal™ Pipe with silicone covers

### NovaSeptum™ Manual Crimping Tool

#### Tubing: 3 mm ID x 6 mm OD

Manual Crimping Tool	A100
Cutting Die	A104
Pinch pipe, in package of 100	NS6-15-05PK100
Silicone end cover, in package of 200	NSTP-3X6



### NovaSeptum® Manual Crimping Tool

For additional information, please visit  
[SigmaAldrich.com](https://SigmaAldrich.com)

To place an order or receive technical  
assistance, please visit  
[SigmaAldrich.com/offices](https://SigmaAldrich.com/offices)

Merck KGaA  
Frankfurter Strasse 250  
64293 Darmstadt, Germany

