



nPulse™ Extension Sets



We Make Quality Patient Care Possible™

Manufactured with the highest quality, nPulse Extension Sets with needle-free connectors will help reduce the risk of infection.¹⁻⁵ The nPulse needle-free connector features neutral fluid displacement at both Luer connection and disconnection.⁵ Our extension sets are available in several configurations of various lengths and tubing diameters (microbore and macrobore) to meet diverse infusion therapy applications.



Reduces reflux related occlusions¹⁻⁵



Lowest measured displacement and blood reflux of market leading valves⁵



Swabable valve connector, detachable or bonded



High pressure compatibility up to 325 psi available on certain sets



Male Luer connector can be fixed or set with a rotating pull-back collar



Clear materials for ease of visualization



High flow rate and easy flushing valve

MATERIALS USED

- **Thermoplastic**
 - Medical-grade Polycarbonate
 - PVC, non-DEHP
 - PP
 - LDPE/HDPE
- **Silicone**
 - Medical-grade Silicone Rubber
 - Clear Translucent

ALL MATERIALS ARE:

- ISO 10993 Compliant
- Not made with Natural Rubber Latex and DEHP
- Thermoplastic: BPA Level < 100 ppm
- Silicone: BPA Free

MATERIAL COMPATIBILITY⁵

- Blood
- Alcohol
- Lipids
- Chlorhexidine Gluconate
- Sterilization: EtO

MANUFACTURING

- ISO 13485 Certified
- FDA Registered
- ISO Class 8 Cleanroom Manufacturing

COMMERCIAL AVAILABILITY

- Bulk, non-sterile
- Packaged Sterile (EtO), 100/box

EXTENSION SETS⁶

- High Pressure Extension Set
 - Macro-bore Extension Set
 - Bifurcated Extension Set
 - Micro-bore Extension Set
- Additional configurations for nPulse Extension Sets are available upon consultation.

1. Jarvis W., MD. Choosing the Best Design for Intravenous Needleless Connectors to Prevent Bloodstream Infections. Infection Control Today, August 2010 (www.infectioncontroltoday.com/infusion-vascular-access/choosing-best-design-intravenous-needleless-connectors-prevent-bloodstream)

2. Ryder M, RN, PhD. Bacterial transfer through needle-free connectors: Comparison of nine different devices. Poster presented at the Annual Society for Healthcare Epidemiology of America (SHEA) conference 2007, Abstract 412.

3. Guideline for the Prevention of Intravascular Catheter-Related Bloodstream Infections, 2011 (www.cdc.gov/hicpac/pdf/guidelines/bsi-guidelines-2011.pdf)

4. FDA Medical Device Safety Alert, July 28, 2010: Letter to Infection Control Practitioners Regarding Positive Displacement Needleless Connectors

5. Data on file at NP Medical. Competitive Product Assessment, January 2012.

6. Rx Only. For safe and proper use of this device, refer to the directions for use.