



NPMedical

We Make Quality Patient Care Possible™

Product Catalog

NP Medical is an innovative supplier of medical devices that addresses the large-scale fluid management needs of the infusion therapy and vascular access markets. The goal that motivates us every day is to provide compelling product solutions that make quality patient care possible by improving patient outcomes and caregiver safety at an affordable cost.

Customer and caregiver engagement are top priorities for NP Medical. This deep understanding of the consequences of our work fuels our product innovation, guides our daily operations, and has defined our performance for over thirty five years. This rich tradition has produced an enduring and winning culture marked by excellence, compassion, and collaboration that extends to our customers, caregivers and patients alike.



Inline Check Valves

Our time proven design provides consistent opening pressure and flow characteristics for demanding medical and life science applications. Compatible with most IV gravity and pump sets.

- Low priming volume
- Wide range of available opening pressures
- 100% inline tested
- No solvent residuals – ultrasonically welded
- Back pressure rated to 45 psi (3.1 bar)
- Not made with Natural Rubber Latex or PVC



Pressure-Activated Valves

Used as a “one-way” valve in critical drug delivery applications and as an “anti-siphon” valve in pump applications.

- Low priming volume
- Available in a wide range of opening pressures
- Clear housing
- 100% inline tested
- Back pressure rated from 45 psi (3.1 bar) to 330 psi (22.8 bar)
- No solvent residuals – ultrasonically welded
- Not made with Natural Rubber Latex and PVC
- Available in various inlet and outlet configurations



Luer-Activated Valves

Allow for bi-directional flow while actuated with an ISO-compliant Luer. This unique actuator design allows for infusion and aspiration with an optimized flow pattern to enable complete flushing.

- 100% inline tested
- Back pressure rated from 45 psi (3.1 bar)
- Clear housing
- No solvent residuals – ultrasonically welded
- Not made with Natural Rubber Latex and PVC



nPulse™

The nPulse valve platform is designed to deliver unparalleled neutral fluid displacement. It offers a flat, smooth swabable surface and self opening split septum (SOSS) resulting in superior valve performance.

- Neutral fluid displacement when connecting and disconnecting
- Low priming volume
- Flat, smooth, swabable surface
- Linear fluid path
- Defends against microbial ingress with dual-seal design
- No clamping required
- Not made with Natural Rubber Latex and PVC
- Sterile packaging available (blister packs and pouches)¹
- FDA Cleared



nSyte™

nSyte needle-free, swabable connectors are designed to offer the quality and value necessary for the most common fluid management and IV clinical use cases. Its clear housing allow visualization of the entire fluid path to be sure the patient is getting the treatment they need.

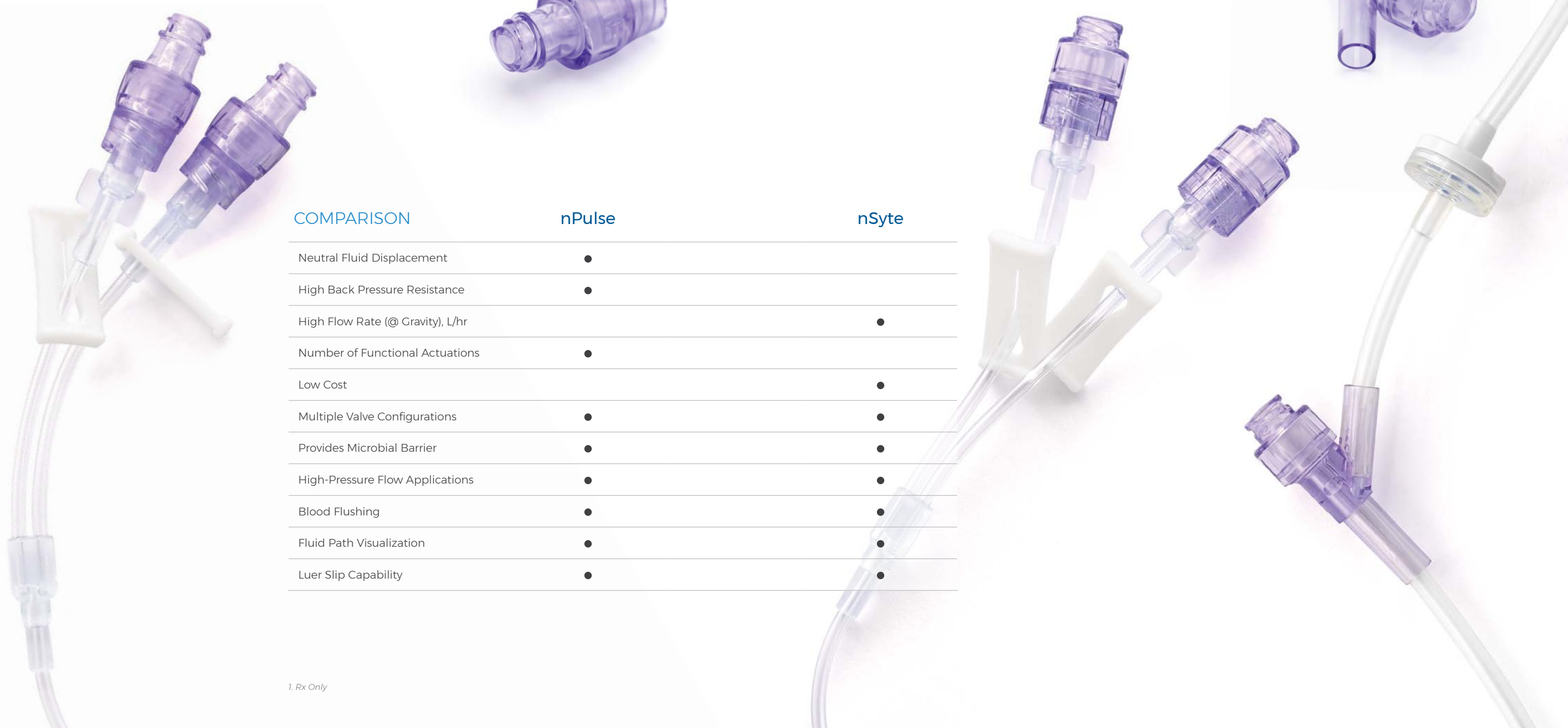
- Straight fluid path allows for complete flushing and unrestricted flow
- Flat, swabable surface
- Microbial ingress barrier
- High flow rate and easy flushing valves
- Not made with Natural Rubber Latex and PVC
- Multiple configurations available to meet various clinical needs



COMPARISON

	nPulse	nSyte
Neutral Fluid Displacement	●	
High Back Pressure Resistance	●	
High Flow Rate (@ Gravity), L/hr		●
Number of Functional Actuations	●	
Low Cost		●
Multiple Valve Configurations	●	●
Provides Microbial Barrier	●	●
High-Pressure Flow Applications	●	●
Blood Flushing	●	●
Fluid Path Visualization	●	●
Luer Slip Capability	●	●

¹. Rx Only



Microvex™ Filter

Microvex filter is a sterilizing-grade filter for small volume IV applications with low priming and hold-up volume. The Microvex filter is ideal for alternative site infusion, low-volume chemotherapeutics, or antibiotic infusion.



- High throughput 0.2µm sterilizing grade polyethersulfone (PES) membrane
- 0.1 µm PVDF hydrophobic vent membrane
- Low priming volume
- Multiple microbore tubing configurations
- Pressure rated to 45 psi (3.1 bar)

Medi-Hook™ Bag Hanger

An accessory for secondary IV medication sets, the Medi-Hook positions the primary solution bag to the appropriate height.



- Easy to setup and hang up with large handling loop
- Robust design, can withstand 20 lbs. pull force
- Compact design allows for automated kit assembly
- Folds for easy packaging

Microvex Filters

DESCRIPTION	PART NUMBER	FILTER AREA	PRIMING VOLUME
2.2mm OD TB	IVNP22CGEIVV	0.29in ² (1.88cm ²)	<0.4 ml
2.3mm OD TB	IVNP23CGEIVV	0.29in ² (1.88cm ²)	<0.4 ml
2.438mm OD TB	IVNP24CGEIVV	0.29in ² (1.88cm ²)	<0.4 ml
2.7mm OD TB	IVNP27CGEIVV	0.29in ² (1.88cm ²)	<0.4 ml
2.825mm OD TB	IVNP28CGEIVV	0.29in ² (1.88cm ²)	<0.4 ml

Medi-Hook

PART NUMBER	MATERIAL	SPECIFICATION
5N02-A300-H	Polyethylene	Withstands 20lb minimum pull test

FLL - Female Luer Lock TB - Tube Bond ID - Inner Diameter
 MLL - Male Luer Lock TP - Tubing Port OD - Outer Diameter

Standard Packaging: Bulk, non-sterile
 Select Devices: Sterile packaging available.

Inline Check Valves

INLET / OUTLET	PART NUMBER	AVG. OPENING PRESSURE	PRIMING VOLUME
Tapered 0.130-0.138" (3.30-3.51mm) ID TB	5N02-A200-ADM16	0.1 psi / 7 mbar	0.30 ml
Tapered 0.130-0.138" (3.30-3.51mm) ID TB	5N02-A200-ADM28	1.0 psi / 69 mbar	0.28 ml
Tapered 0.130-0.138" (3.30-3.51mm) ID TB	5N02-A200-ADM38	3.5 psi / 241 mbar	0.25 ml
Tapered 0.129-0.132" (3.28-3.35mm) OD TB	5N02-A500-ADM16	0.1 psi / 10 mbar	0.36 ml

Pressure-Activated Valves

(Hospital care versions available.)

INLET / OUTLET	PART NUMBER	HOUSING MATERIAL	AVG. OPENING PRESSURE	PRIMING VOLUME
FLL/TB 0.132" (3.35mm)	5N02-B400-SSM41	Polycarbonate	2.9 psi / 200 mbar	0.25 ml
FLL/TB 0.117" (2.97mm)	5N02-B700-SSM41	Polycarbonate	2.2 psi / 155 mbar	0.24 ml
FLL/MLL	5N02-B800-SSM16	Polycarbonate	0.1 psi / 7 mbar	0.22 ml
FLL/TB 0.132" (3.35mm)	B350-SSM45	Polycarbonate	4.0 psi / 275 mbar	0.24 ml
FLL/TB 0.132" (3.35mm)	B370-SSU45*	Polycarbonate	5.7 psi / 393 mbar	0.24 ml
FLL/MLL	B900-SSM41	Polycarbonate	3.5psi / 241 mbar	0.18 ml
FLL/MLL	B900-SSM45	Polycarbonate	4.2 psi / 292 mbar	0.18 ml
FLL/MLL	B950-SSU45*	Polycarbonate	5.7 psi / 393 mbar	0.18 ml
FLL/T-style TP, ID 0.149"-0.163" (4mm)	5N02-C100-EEM45	Co-polyester	4.3 psi / 296 mbar	0.29 ml
TB 0.117"/TB 0.117" (2.97mm)	T330-SSM45	Polycarbonate	4.0 psi / 275 mbar	0.24 ml
TB 0.117"/TB 0.117" (2.97mm)	T333-SSU45*	Polycarbonate	5.7 psi / 393 mbar	0.24 ml
TB 0.117" (2.97mm)/MLL	T300-SSM45	Polycarbonate	4.0 psi / 275 mbar	0.24 ml
TB 0.117" (2.97mm)/MLL	T303-SSU45*	Polycarbonate	5.7 psi / 393 mbar	0.24 ml
TB 0.117" (2.97mm)/MLL	T305-SSM16	Polycarbonate	0.1 psi / 7 mbar	0.24 ml
TB 0.163"/TB 0.163" (4.1mm)	T440-SSM45	Polycarbonate	4.0 psi / 275 mbar	0.24 ml
TB 0.163"/TB 0.163" (4.1mm)	T440-SSM45	Polycarbonate	5.7 psi / 393 mbar	0.24 ml
TB 0.163"(4.1mm)/MLL	T400-SSM45	Polycarbonate	4.0 psi / 275 mbar	0.24 ml
TB 0.163"(4.1mm)/MLL	T403-SSU45*	Polycarbonate	5.7 psi / 393 mbar	0.24 ml
TB 0.163"(4.1mm)/MLL	T405-SSM16	Polycarbonate	0.1 psi / 7 mbar	0.24 ml
TB 0.132" / TB 0.132" (3.35mm)	T550-SSM41	Polycarbonate	4.0 psi / 275 mbar	0.24 ml
TB 0.132" (3.35mm)/MLL	T505-SSM16	Polycarbonate	0.1 psi / 7 mbar	0.24 ml
FLL/TB 0.117" (2.97mm)	B700-SSU45*	Polycarbonate	5.7 psi / 393 mbar	0.24 ml
FLL/TB 0.163" (4.1mm)	B450-SSM41	Polycarbonate	4.0 psi / 275 mbar	0.24 ml
FLL/TB 0.163" (4.1mm)	B450-SSU45*	Polycarbonate	5.7 psi / 393 mbar	0.24 ml

* Rated for high pressure

Luer-Activated Valves

INLET / OUTLET	PART NUMBER	HOUSING MATERIAL	PRIMING VOLUME
FLL/MLL	5N02-D300-SSM41G	Polycarbonate	0.14 ml

nPulse





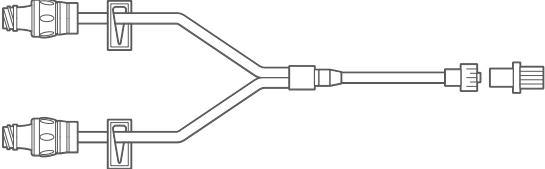

INLET / OUTLET	PART NUMBER	HOUSING MATERIAL	PRESSURE RATING	PRIMING VOLUME
FLL/MLL	K150-SSG6G6SA	Polycarbonate	325 psi	0.10 ml
FLL/MLL	K150-001	Polycarbonate	325 psi	0.10 ml

nSyte

INLET / OUTLET	PART NUMBER	HOUSING MATERIAL	PRESSURE RATING	PRIMING VOLUME
FLL/MLL	N100-SSG8X	Polycarbonate	325 psi	0.10 ml
FLL/4.1mm Y-Site	N400-SNG8X	Polycarbonate	325 psi	0.10 ml

nPulse™ Connectors & Extension Sets

Manufactured with the highest quality, our extension set feature the nPulse neutral, needle-free connectors. We offer various lengths and tubing diameters (microbore and macrobore) to meet diverse infusion therapy applications. Additional and custom configurations are available upon request.

MODEL NUMBER	DESCRIPTION	APPROX. LENGTH	APPROX. PRIMING VOLUME	CASE QUANTITY
K100-001	nPulse Neutral Needlefree Connector Rated for use with low pressure power injectors up to 325 psi		0.13 mL	120
				
K100-002	Macro-bore Extension Set, Bonded Neutral Needle-free Connector, Spin Male Luer Lock Rated for use with low pressure power injectors up to 325 psi	6.0" 15.0cm	0.3 mL	100
				
K100-003	Macro-bore Extension Set, Neutral Needle-free Connector, Spin Male Luer Lock	6.0" 15.0cm	0.7 mL	100
				
K100-004	Macro-bore Extension Set, Bonded Neutral Needle-free Connector, Spin Male Luer Lock	6.0" 15.0cm	0.7 mL	100
				
K100-005	Bifurcated Extension Set, 2 Neutral Needle-free Connectors, Spin Male Luer Lock	7.0" 18.0cm	0.65 mL	100
				
K100-006	Micro-bore Extension Set, Neutral Needle-free Connector, Spin Male Luer Lock	15.0" 38.0cm	0.4 mL	100
				

All data on file at NP Medical and npmedical.com

NP-MKTG-2014-0002, Rev 3