

Inline Check Valves



We Make Quality Patient Care Possible™

The NP Medical Inline Check Valve is the valve of choice for market-leading infusion therapy OEMs. This normally closed valve is designed to open at low fluid pressures in the flow direction and prevent backflow into the primary IV line from secondary (piggyback) sets.

With over a billion valves sold, this Inline Check Valve's time proven design with uniform 360-degree seal provides maximum protection against retrograde flow even at low pressures, and thereby reduces the risk of medication not getting to the patient;¹ prevents dilution of drugs being administered to the patient, and secondary infusate from mixing with primary infusate;² and constrains backflow of blood from cannula to the IV tubing.²



Low priming volume for lower flush volumes and drug hold up



100% inline tested for backflow and weld leaks on automated assembly equipment



No solvent residuals – ultrasonically welded providing excellent leak resistance



Wide range of available opening pressures



Not made with Natural Rubber Latex or PVC



Compatible with IV pumps



Round profile well suited for automated set assembly



TECHNICAL SPECIFICATIONS³

- **Priming Volume:** <0.40 ml
- **Flow Rate at Gravity (1m head height):** 101 ml/min
- **Pressure Rated:** 45 psi

MATERIALS USED

- **Thermoplastic:** Medical Grade Acrylic, Clear and White
- **Silicone:** Medical Grade Silicone Rubber, Blue

MATERIAL COMPATIBILITY

- Gamma, E-beam and EtO sterilization

MANUFACTURING

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

COMMERCIAL AVAILABILITY

- Bulk, non-sterile

1. Douglas, Elizabeth (2007, July). On Secondary I.V. Sets, *Separo*, Anesthesiology News, Volume 33:07, www.anesthesiology.com

2. Josephson, Dianne L., *Intravenous Infusion Therapy for Nurses: Principles and Practice*, Cengage Learning, 2003, 2nd ed.

3. Data on file at NP Medical, Inc.