



Microvex™ Filters



We Make Quality Patient Care Possible™

The use of in-line filters has been proven to significantly reduce particulate contamination during infusion. Filters can be a cost-effective tool in modern IV therapy and several studies have shown they can be very effective in critically ill patients.¹ To improve patient outcomes, in-line filters help eliminate bacterial and endotoxin exposure and remove foreign material.

NP Medical developed the Microvex filter as a sterilizing-grade, 0.1µm 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



Multiple microbore tubing configurations



Pressure rated to 45 psi (3.1 bar)



Flexible use with gravity or pump feeds



Removes particulate with micro filter membrane



Single product for multiple alternative site applications



TECHNICAL SPECIFICATIONS²

- Priming Volume: ≤ 0.40 ml
- Flow Rate at 1m head height: 3 ml/min
- Pressure Rated: 45 psi

MATERIALS USED

- Acrylic Housing
- 0.2 µm Polyether Sulfone (PES) Filter membrane
- 0.1 µm Polyvinylidene Fluoride (PVDF) Hydrophobic membrane

MANUFACTURING

- ISO 13485 Certified
- ISO Class 8 Cleanroom Manufacturing

COMMERCIAL AVAILABILITY

- Bulk, non-sterile

1. Effectiveness of Inline Filters to Completely Remove Particulate Contamination During a Pediatric Multidrug Protocol, *Scientific Reports*, 2018

<https://www.nature.com/articles/s41598-018-25602-6>

2. Data on file at NP Medical