

ELASTOMERIC INFUSION PUMP

NeoFuser Onco

Specialized Elastomeric Infusion Pump
for Oncology Care



Reliable Ambulatory Chemotherapy Infusion for Modern Oncology Care



Why Elastomeric Pumps?

Key Advantages

- Lightweight and easy to carry
- No batteries or electricity required
- No calibration or sterilization required
- Maintenance-free & silent infusion
- Cost-effective integrated design

Mobility & Homecare Advantage

NeoFuser Onco enables patients to receive continuous chemotherapy after hospital discharge — while maintaining normal daily activities.

↑ Improved patient quality of life

↓ Reduced hospitalization time

✓ Increased patient compliance

🏠 Support for homecare treatment



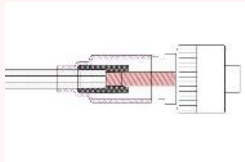
Micro-Channel Technology

⚠ The Problem

Conventional elastomeric pumps
use about **50 μm** diameter capillary tube.

5-Fluorouracil (5-FU) — the most common anticancer drug — forms crystalline precipitates that may:

- Obstruct the narrow capillary lumen
- Restrict or block drug flow
- Compromise infusion reliability

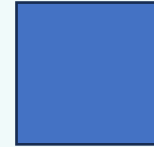


✓ NeoFuser Onco Solution

Channel Cross-Section Comparison



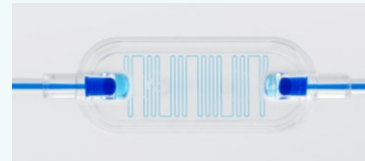
50 μm
capillary



90x100 μm
micro-channel

**4.6x
larger area**

- Significantly reduced 5-FU crystal occlusion risk
- Improved flow stability during continuous infusion
- Enhanced safety for ambulatory oncology treatment



Product Range & Proven Reliability

PRODUCT RANGE

60 mL

100 mL

180 mL

285 mL

450 mL

Flow Rate: 0.5 mL/h – 10 mL/h

PROVEN RELIABILITY



Drug Stability Tested

Completed oncology-grade drug stability testing for clinical assurance.



UK NHS Supply Partner

Products currently supplied to the UK National Health Service — one of the world's largest healthcare organizations.



Advanced Anti-Occlusion

Micro-channel technology validated for safer 5-FU infusion performance.

Portable · Ambulatory · Oncology-Optimized

