FOR EXHIBITION

Neofuser

Overseas sales dept. Jo Sungje

■ Elastomeric Infusion Pumps

▣ **Elastomeric infusion pumps**

☐ SILICONE BALLOON INFUSER

☐ ELASTOMERIC PUMP

※ Infusion pump – means Electronic infusion pump

☐ **This product is mainly used after surgery in hospitals.**

The most important factors

1. Accuracy of drug volume delivery

2. Low defect rate

☐ Typically used for 48 hours until the wound heals.
(e.g. M2015R: approximately 50 hours)

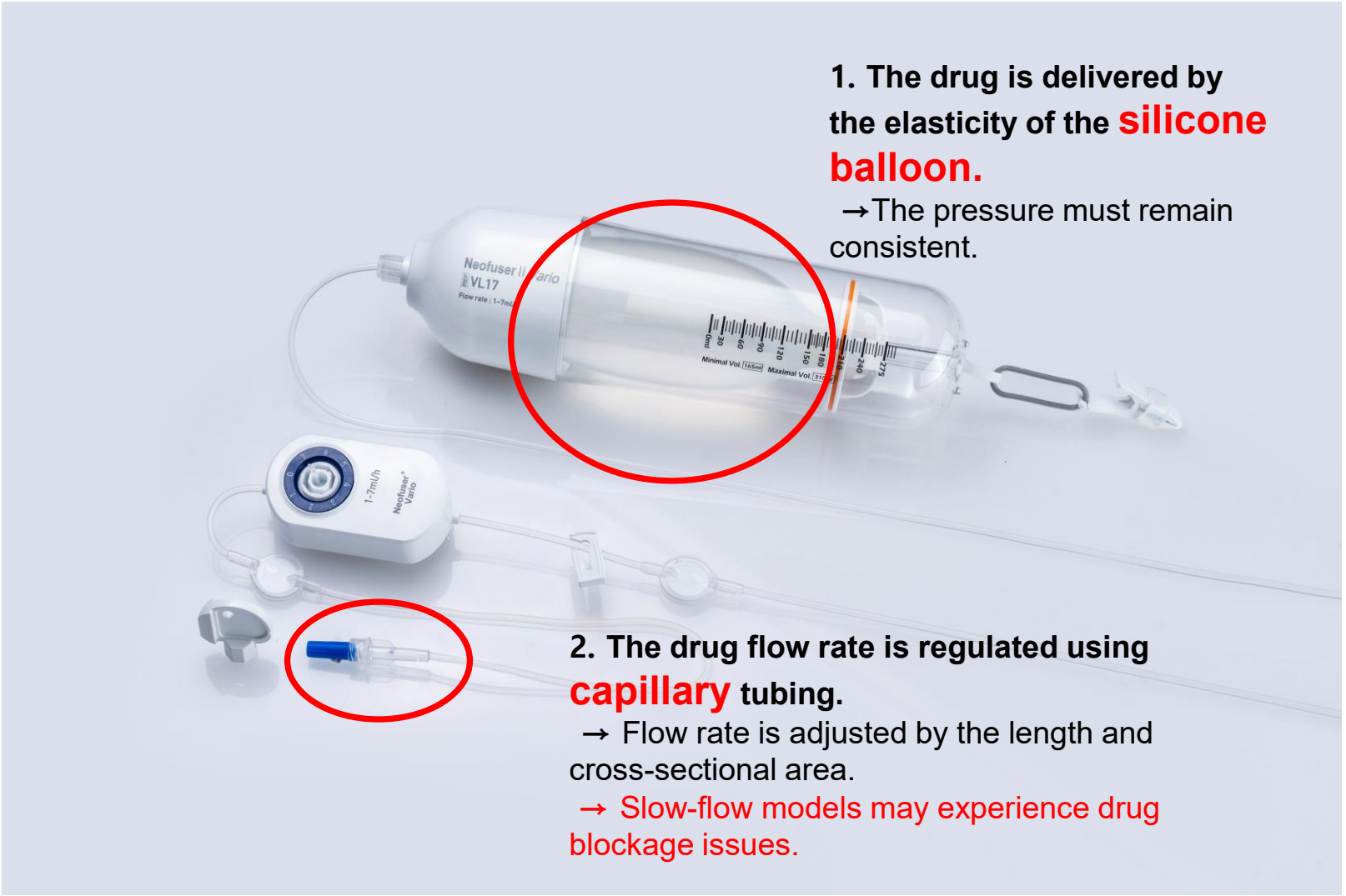
☐ Standard: ISO28620

☐ Sales structure: PCA pump accounts for 70% of our total sales.

☐ Fast flow – This is a critical defect that can lead to the worst-case scenario.

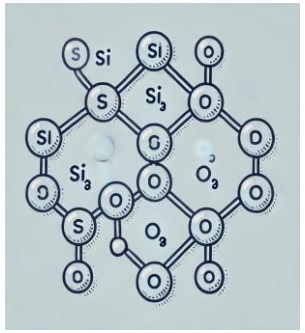
☐ Slow flow – Slow-flow models may experience drug blockage issues.

■ Operating Principle



■ Silicone Balloon for accuracy of drug volume delivery

1. Silicone Compounding Technology



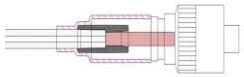
2. Silicone Extrusion and Stabilization Technology

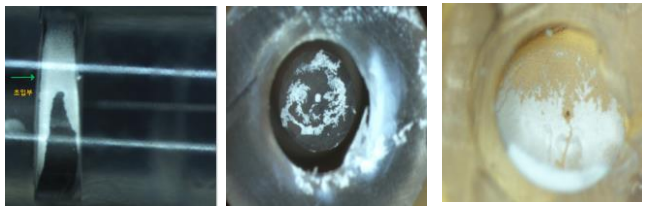


3. Silicone Property Preservation Technology

■ Capillary vs MICRO CHANNEL (Patents) to lower defect rate

1. Capillary



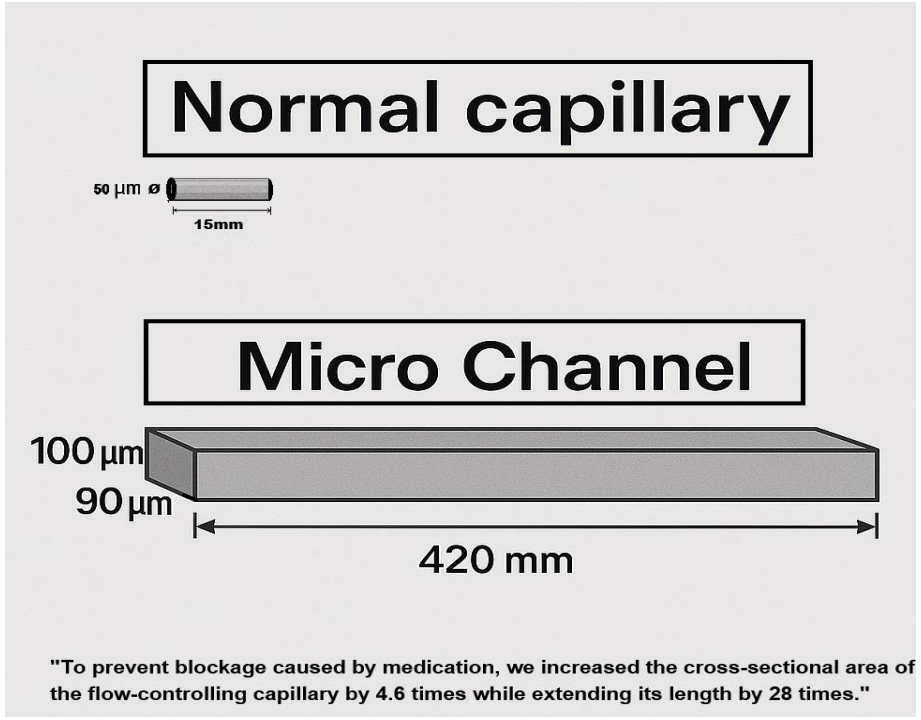


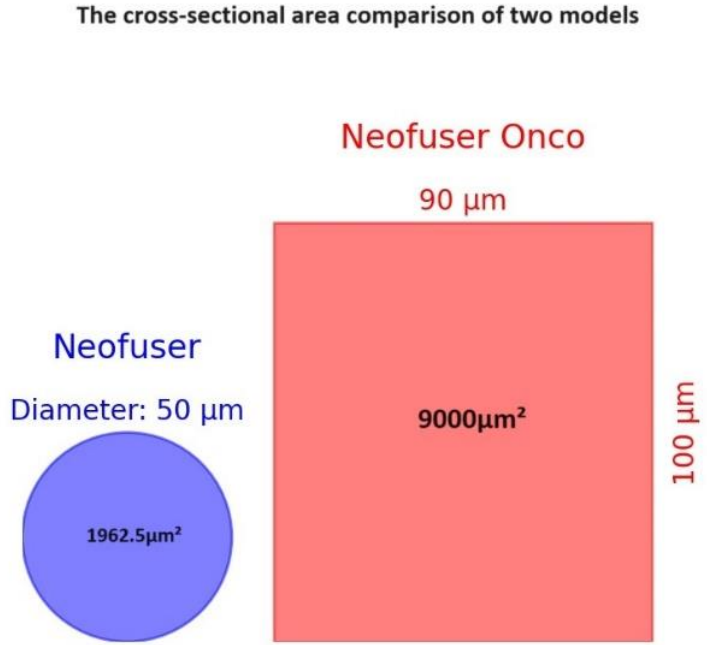
▣ 1 마이크로미터(μm) = 0.001mm (밀리미터).

☐ **Capillary** has about 50 μm diameter

☐ **Micro channel** has 90 μm x 100 μm, cross-sectional area

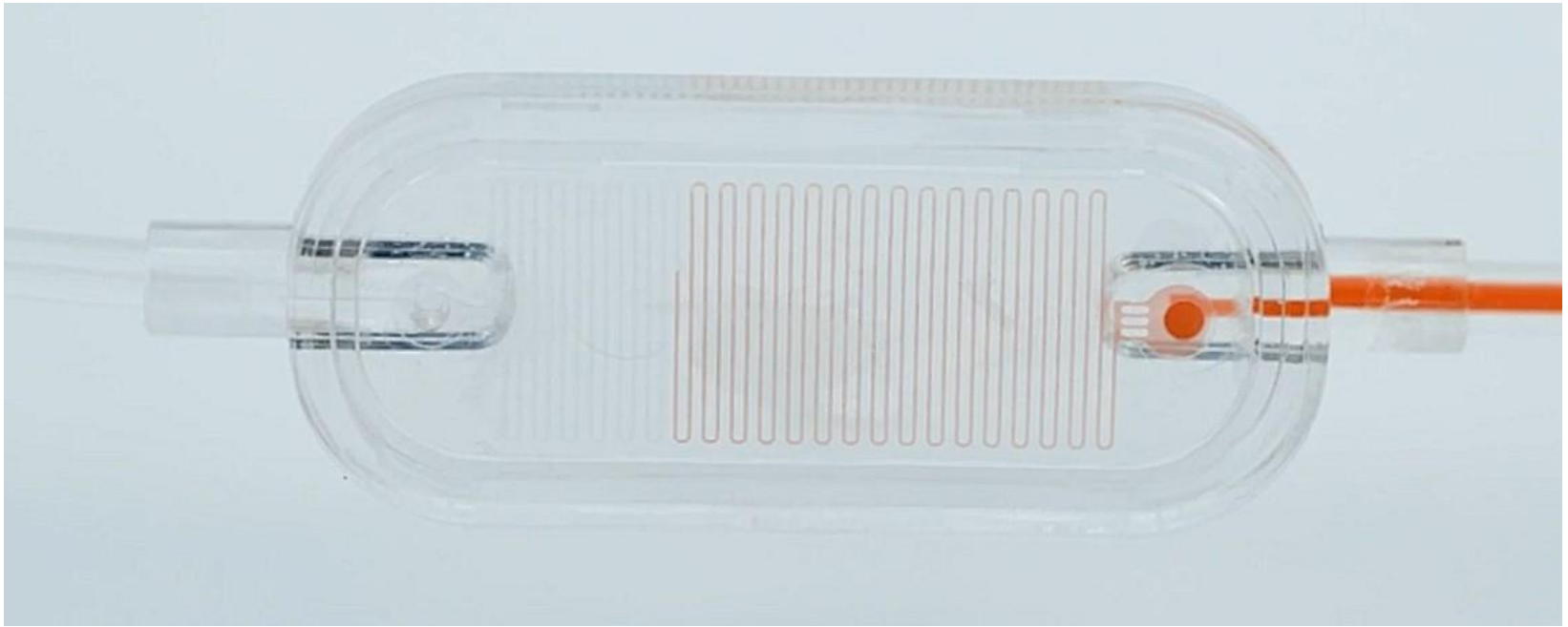
2. MICRO CHANNEL Unique (Patents)





■ MICRO CHANNEL

1. Length



Capillary 15mm vs MICRO CHANNEL 420mm 28times longer

S&S MED

■ MICRO CHANNEL used for Onco models

■ Flow rate test

▣ Flow Rate Test Program

☐ If the reference temperature is 23℃ and the actual temperature is 24℃, it must be compensated.

☐ A temperature difference of 1℃ results in approximately 2% difference in flow rate.

☐ If the height increases by 10 cm, the flow rate becomes approximately 2% faster.

☐ For models where the flow controller contacts the skin, such as Onco and C type, testing is conducted at 32℃.

■ Flow rate comparison with competitors

Flow Rate Testing

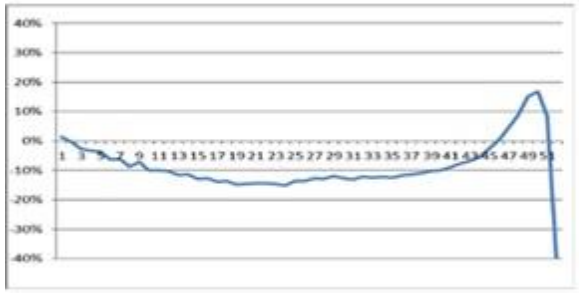


Figure 1

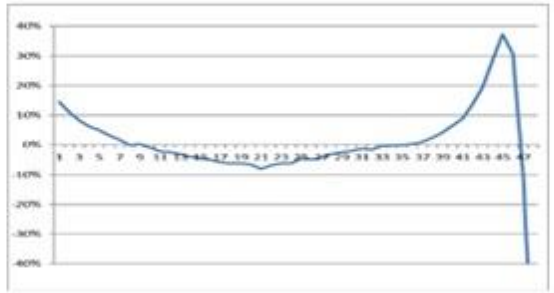


Figure 1.

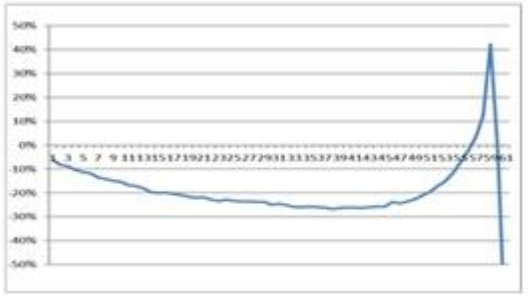


Figure 3

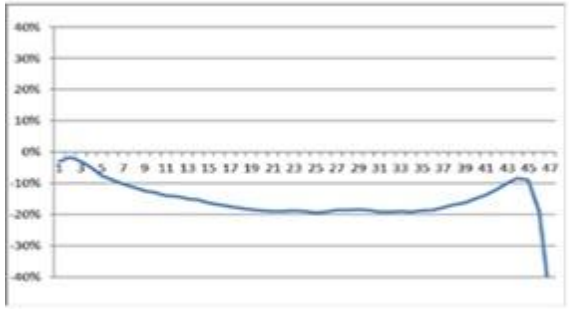
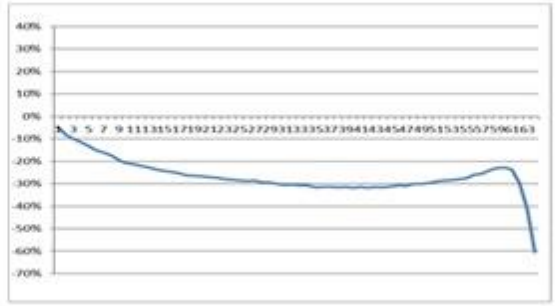


Figure 4



Figure

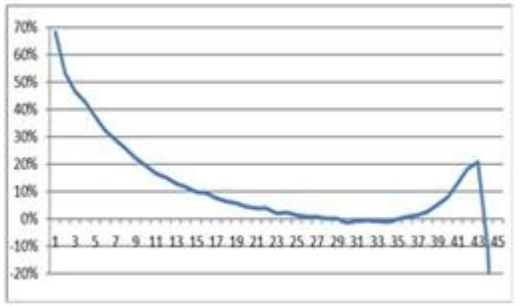


Figure 6.

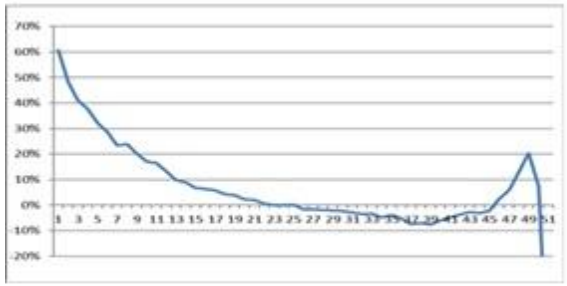


Figure 7

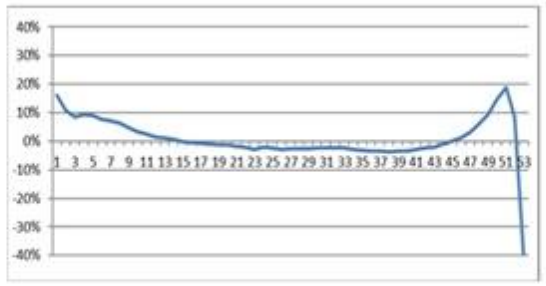


Figure 8. S&S-NeoFuser

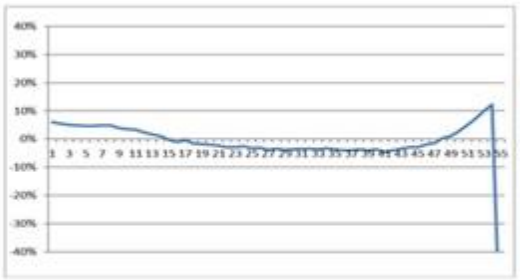


Figure 9. S&S-NeoFuser Onco