1.) JAMIN EFFECT

- flow layer, valve (positive photoresist)
  height: 15 µm
- flow layer (negative photoresist)
  height: 110 µm
- control layer (negative photoresist)
  height: 20 µm

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II.) DROP - ON - DEMAND with BYPASS STORAGE

- flow layer, valve (positive photoresist)
  - height: 15 \( \mu \text{m} \)
- flow layer (negative photoresist)
  - height: 110 \( \mu \text{m} \)
- control layer (negative photoresist)
  - height: 20 \( \mu \text{m} \)

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(see next page for enlarged section)
II.) DROP - ON - DEMAND with BYPASS STORAGE

- flow layer, valve (positive photoresist)
  - height: 15 µm
- flow layer (negative photoresist)
  - height: 110 µm
- control layer (negative photoresist)
  - height: 20 µm

Capillary valve dimensions:
30 µm x 130 µm

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Capillary valve dimensions: 10 µm x 100 µm

III.) 

SYMmetric BYPASS STORAGE

flow layer (negative photoresist)
height: 100 µm

Šeila Selimović / Fraden group
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