

Supplementary Figures

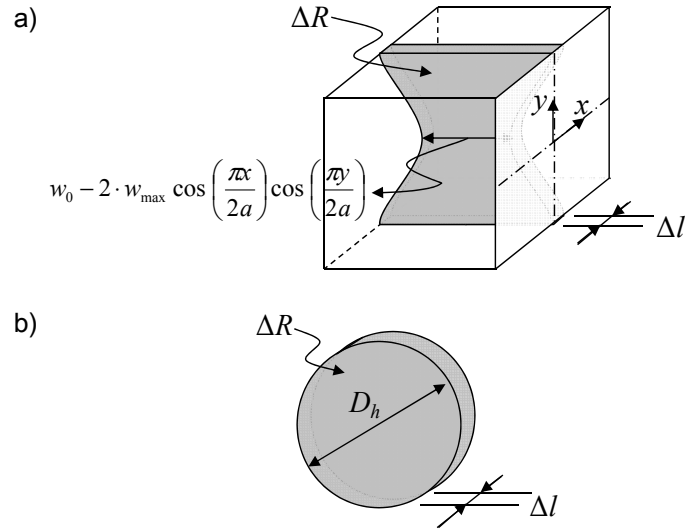


Fig. S1 The elements for the estimation of fluidic resistance having identical length of Δl : (a) a fluidic element of the passive flow-rate regulator; (b) an equivalent circular elements having hydraulic diameter, D_h .

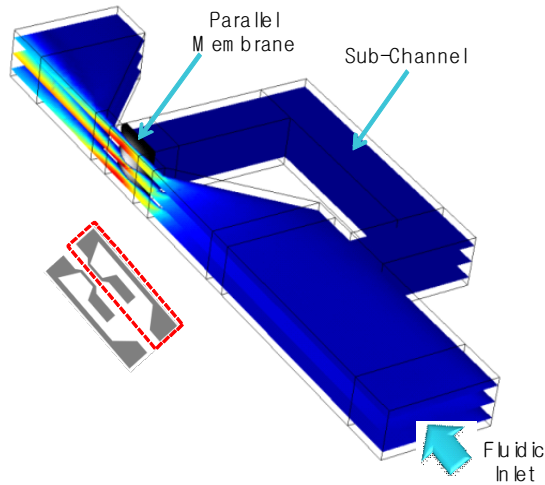


Fig. S2 Half-symmetric numerical model of the present passive flow-rate regulators.

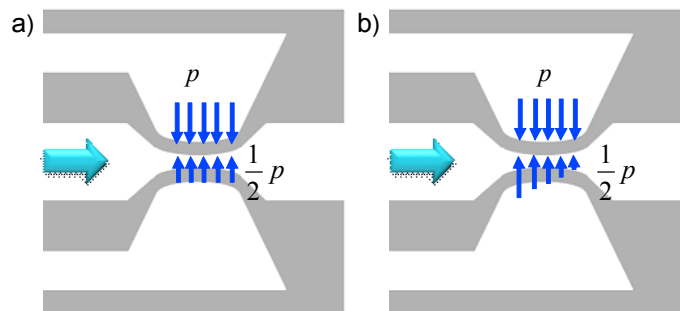


Fig. S3 Comparison fluidic pressure across the membrane for different estimation models: (a) analytical model; (b) numerical model.