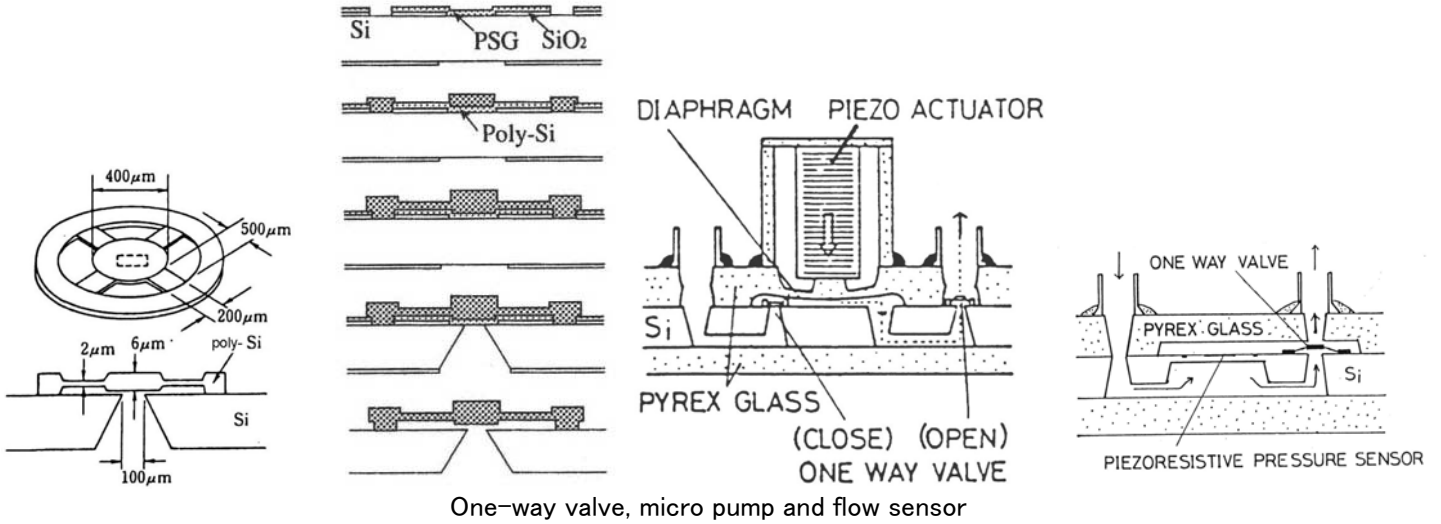
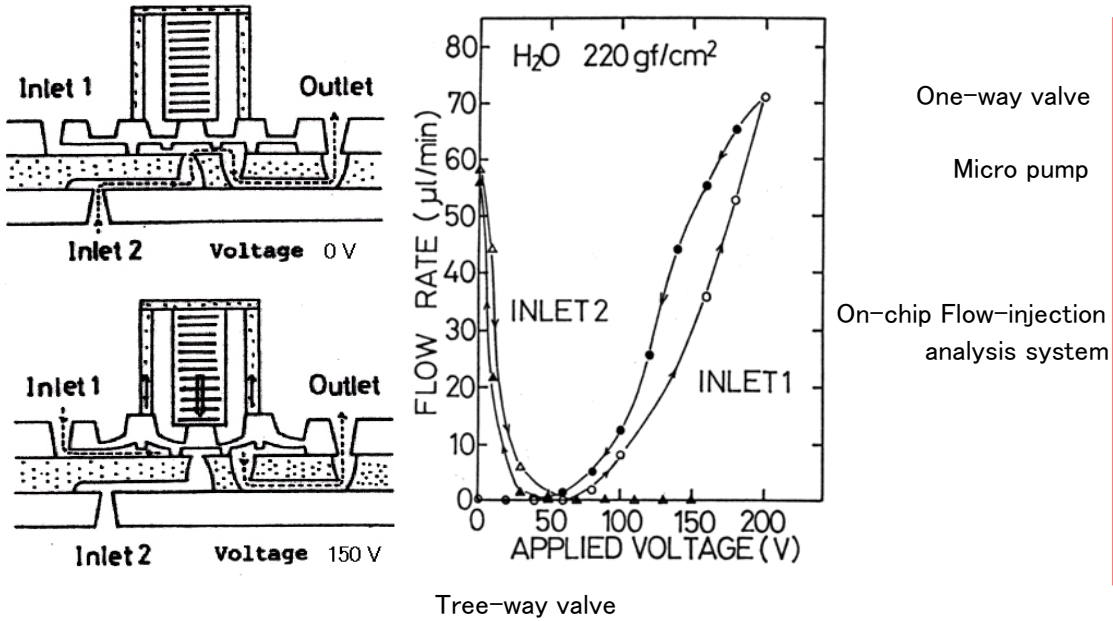


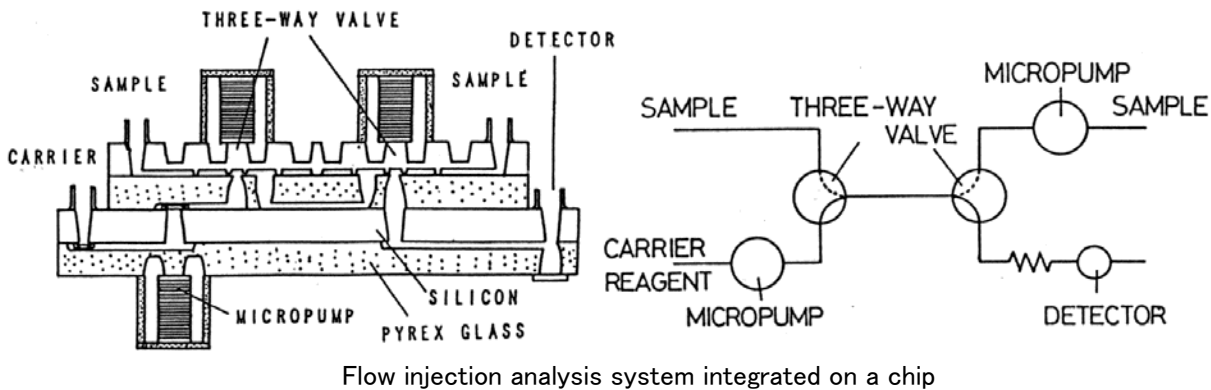
# Micro Pump, Micro Valve and Chemical Analysis System for Liquid



Reference : S.Shoji, M.Esashi, Fabrication of a Micro-pump for Integrated Chemical Analysing Systems, Trans. ICIEC, J71-C (1988) pp.1705-1711



Reference : S.Shoji, S.Nakagawa and M.Esashi, Micropump and Sample-injector for Integrated Chemical Analysing Systems, Sensors and Actuators, A21-A23 (1990) pp.189-192



Reference : S.Nakagawa, S.Shoji and M.Esashi, A Micro Chemical Analyzing System Integrated on a Silicon Wafer, Proc. of the Micro Electro Mechanical Systems'90 (1990) pp.89-94