

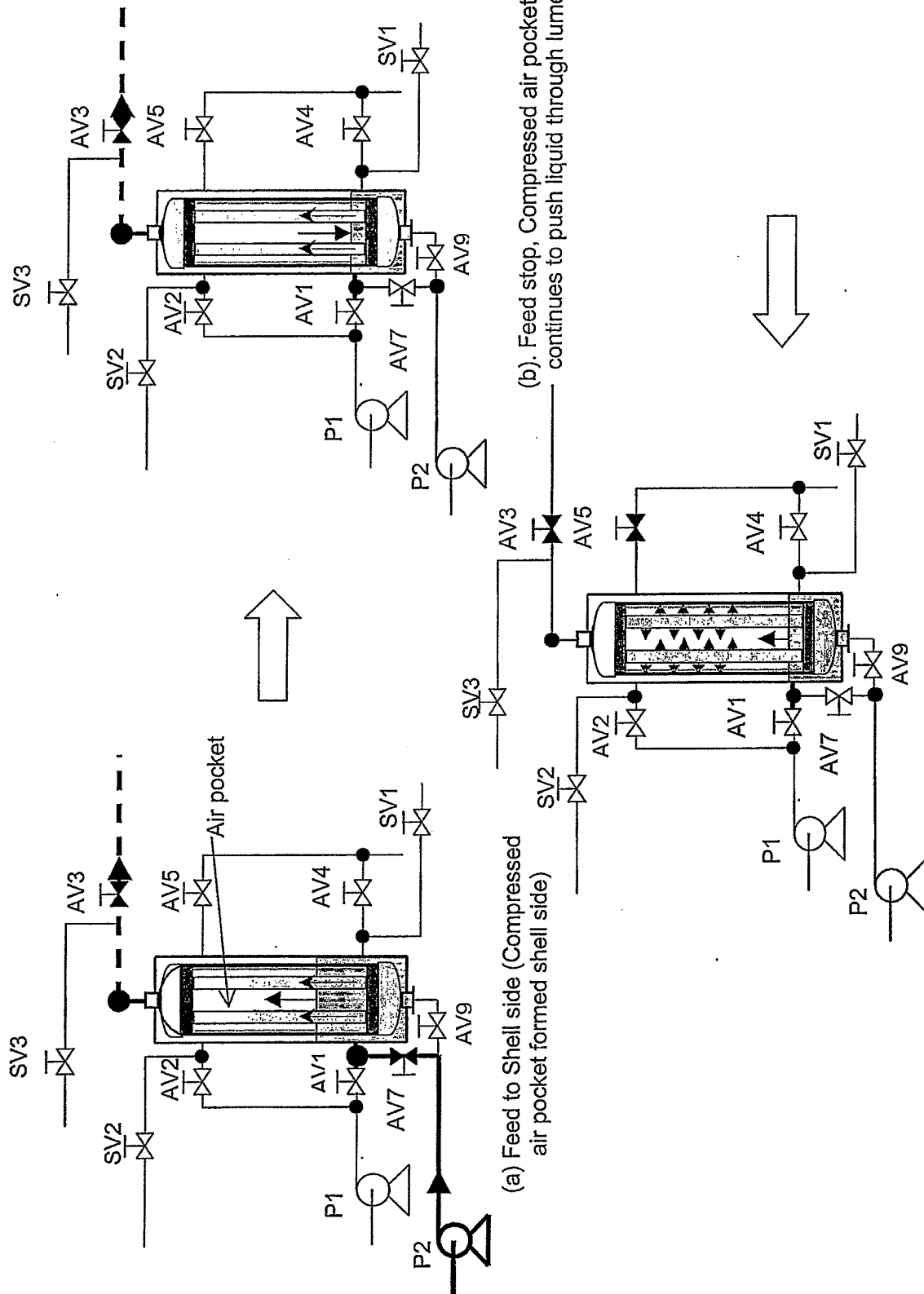
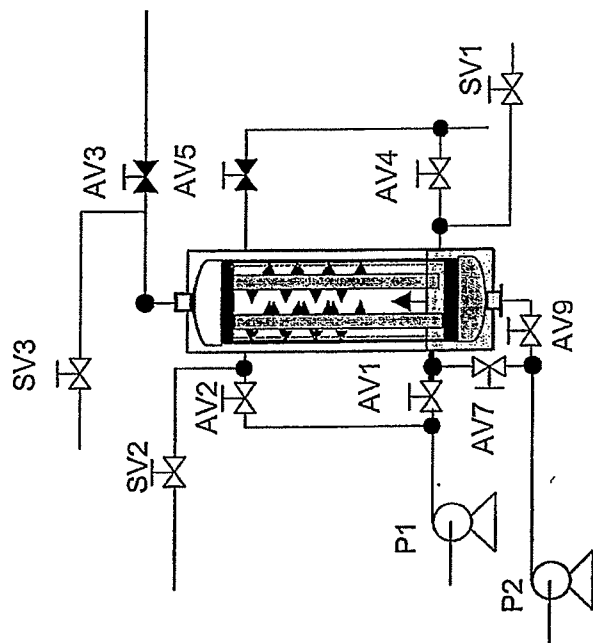
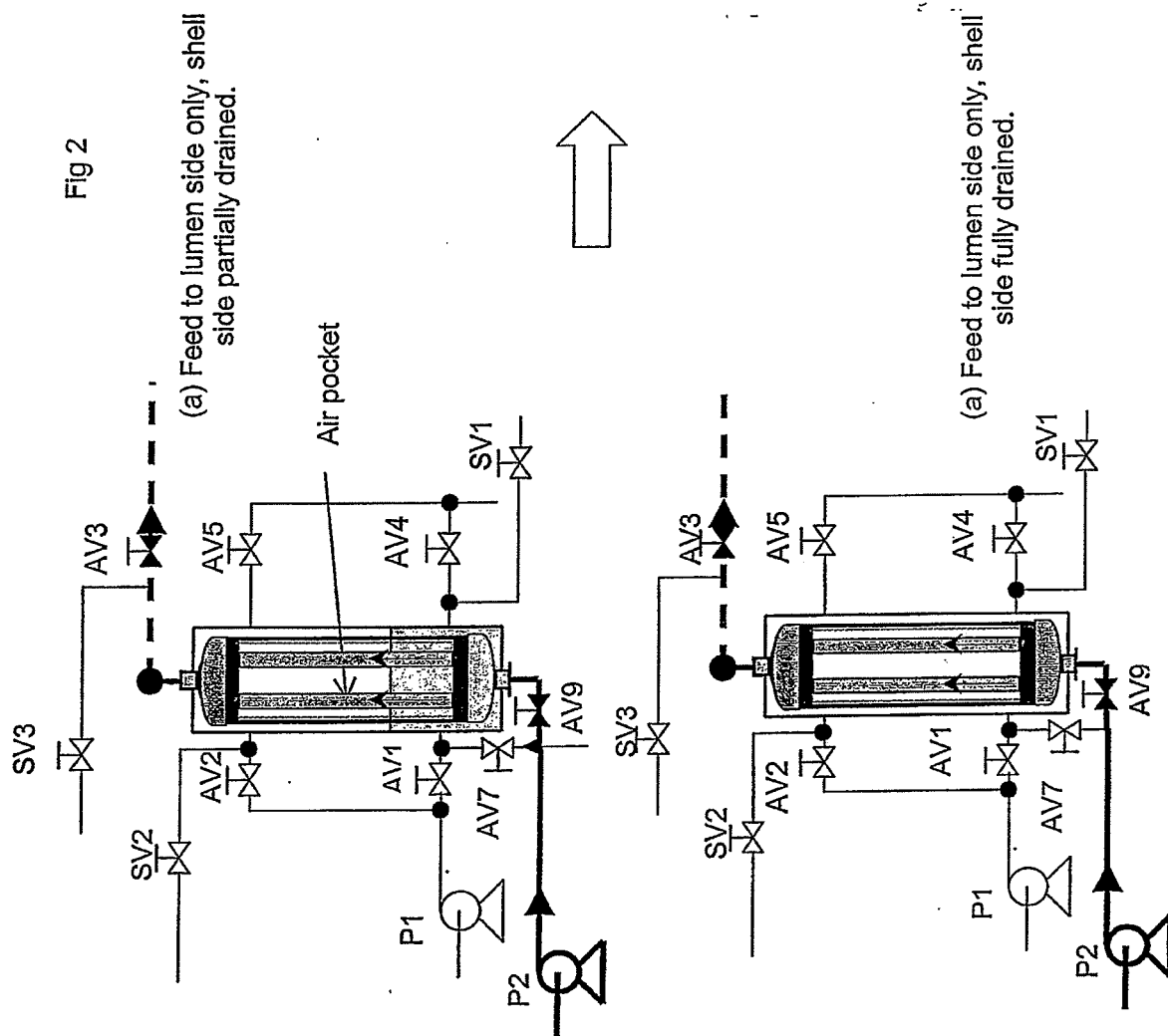
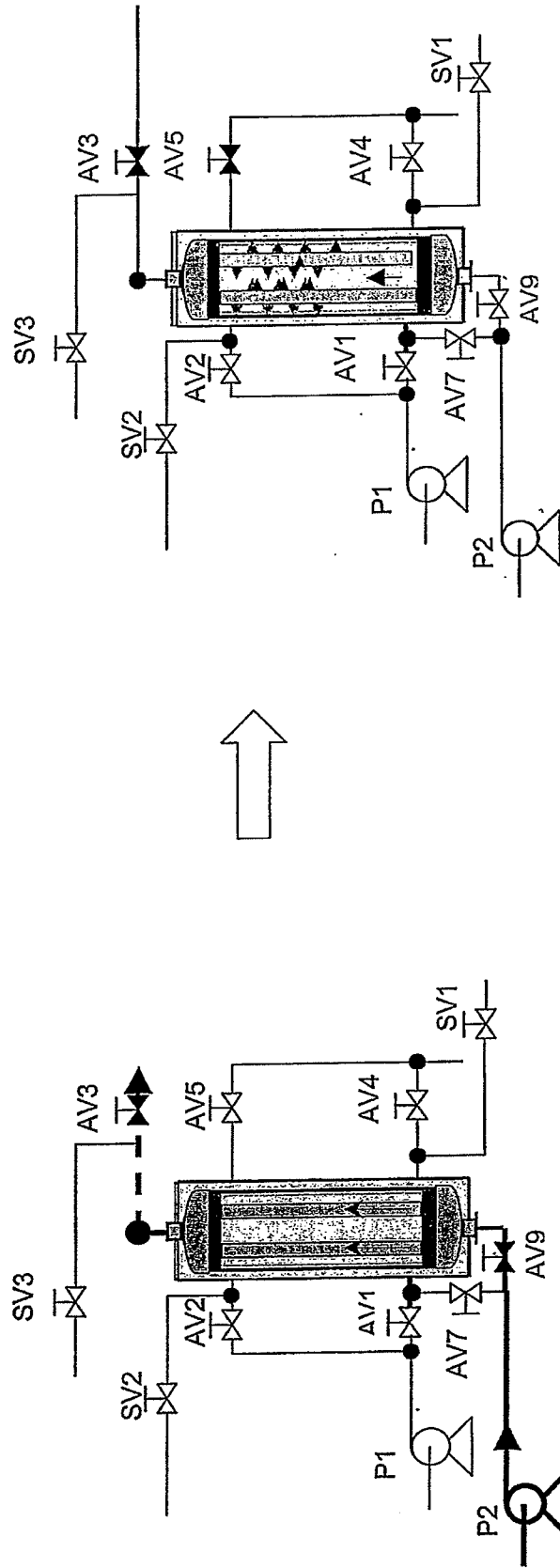


Fig 1



(b). Solution transport to shell side via membrane pores. (during soaking period, lumen vent valve opened intermittently or continuously)

Fig 3



(a) Feed to lumen side

(b). Solution transport to shell side via membrane pores. (during soaking period, lumen vent valve opened intermittently or continuously)

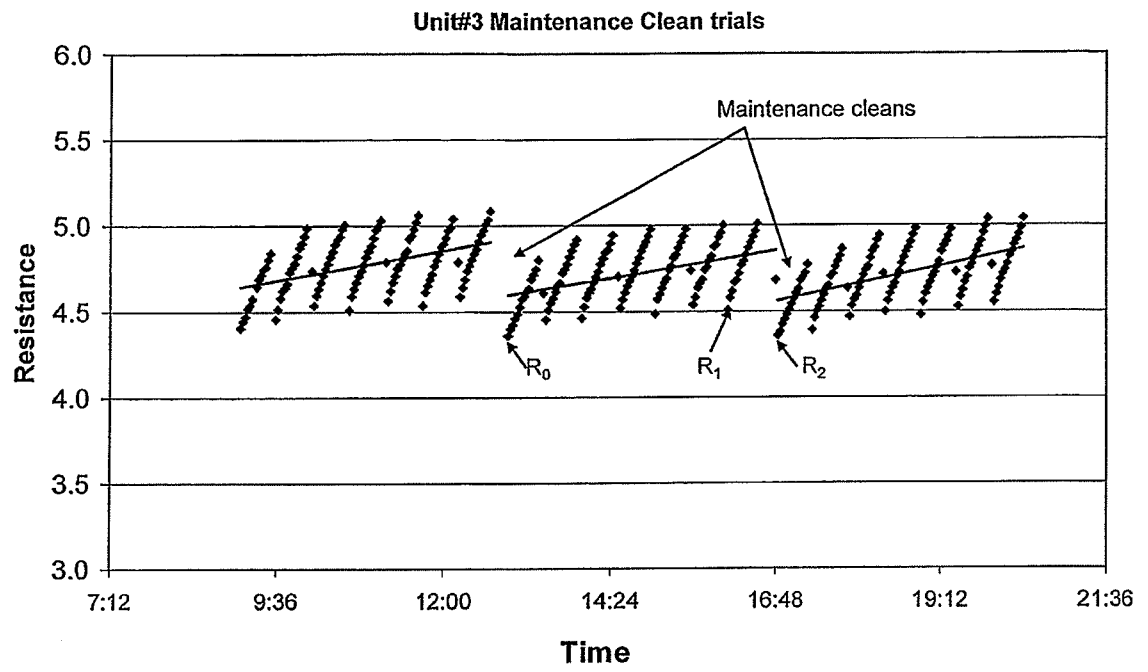


Figure 4

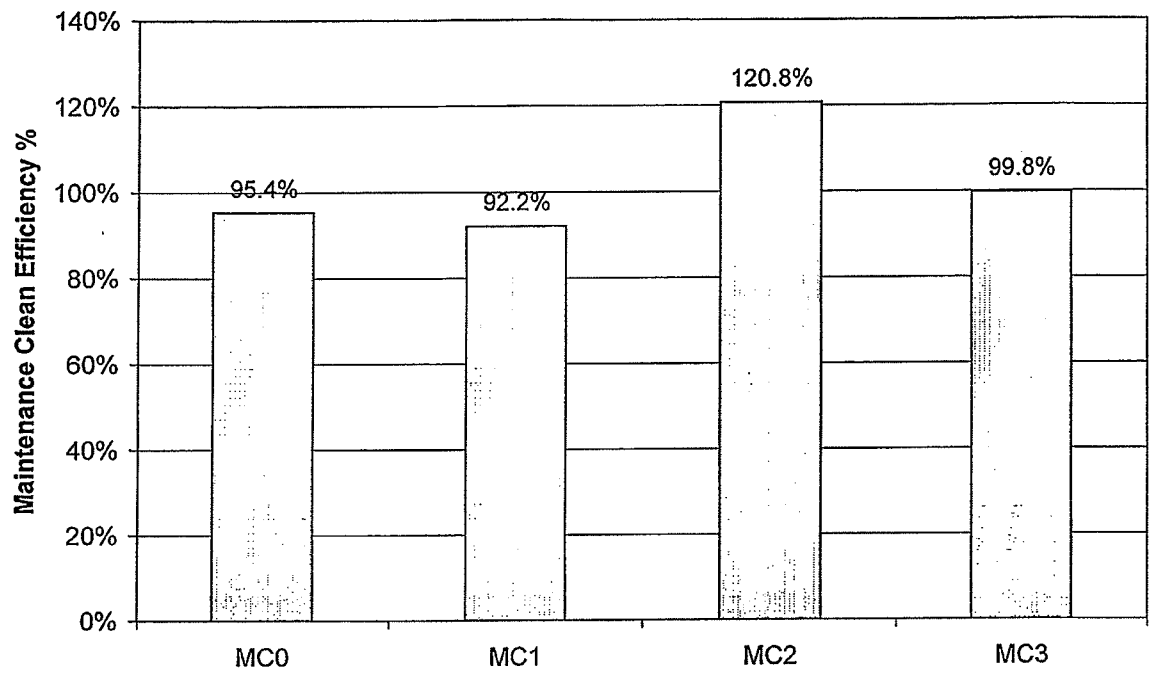
Averaged Maintenance Clean Efficiency

Figure 5

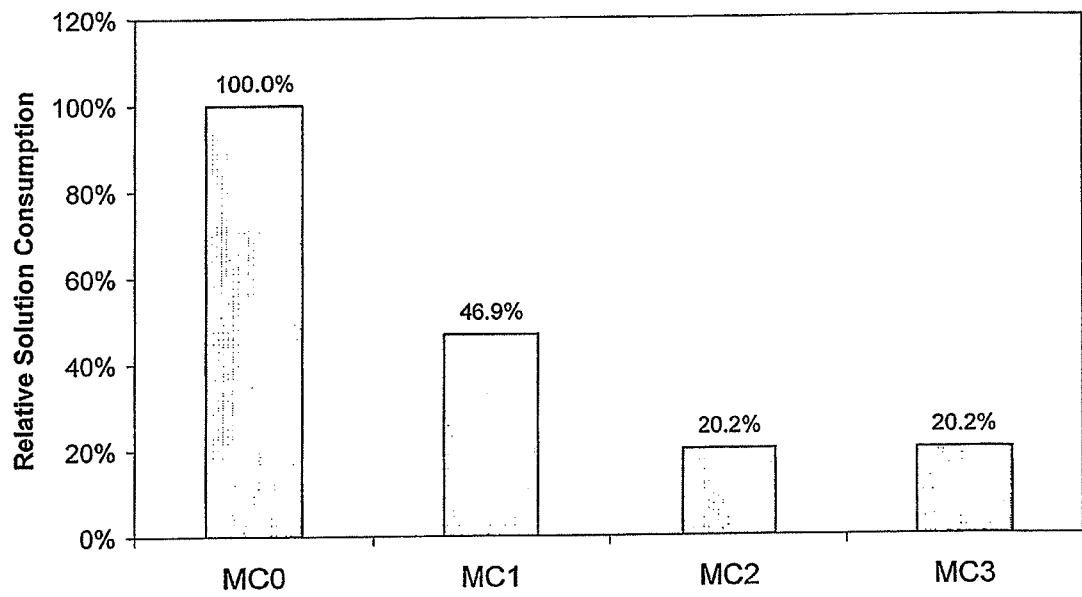
Relative Chemical Solution Consumption in Maintenance Clean

Figure 6