

FIGURE 1

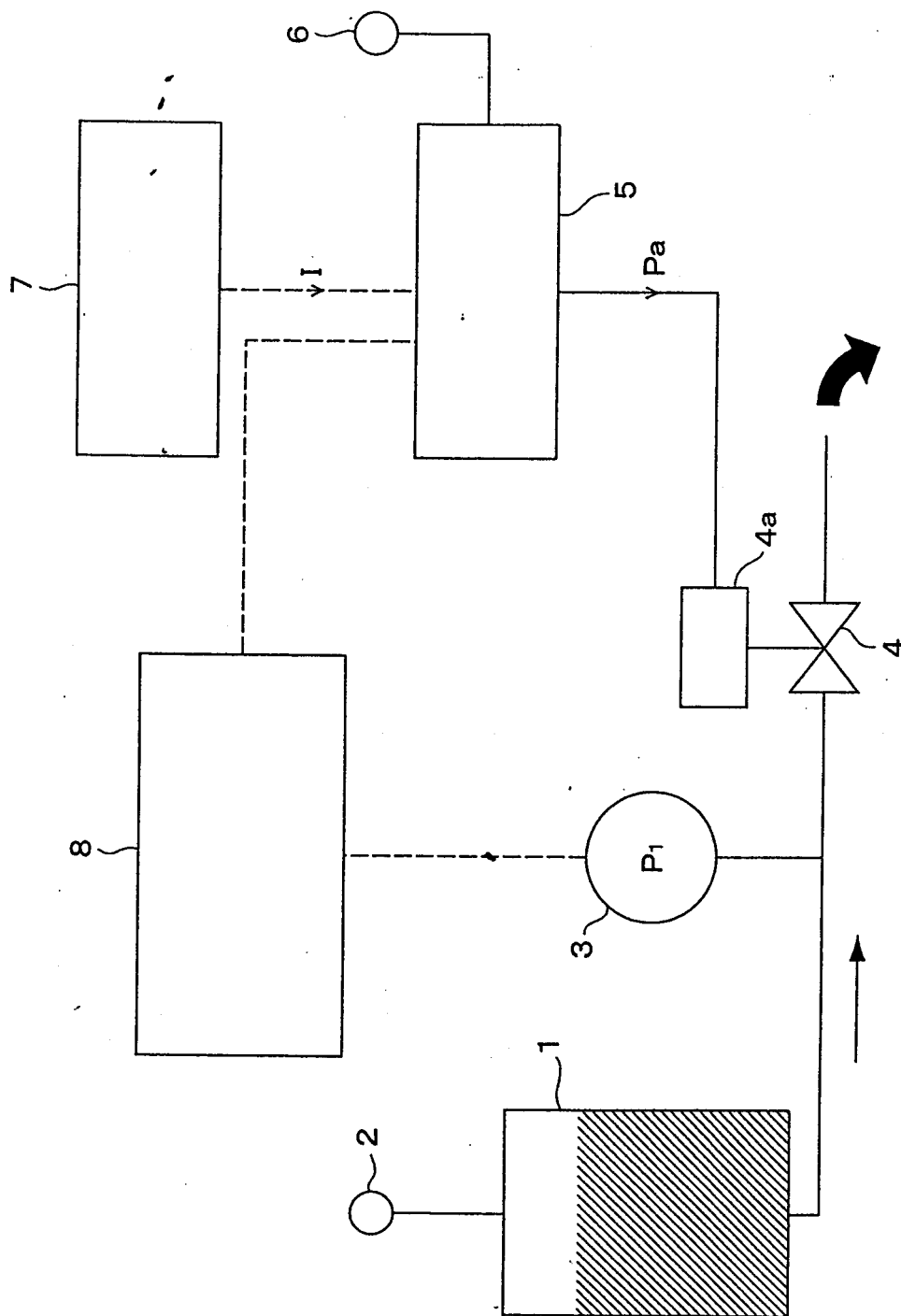


FIGURE 2

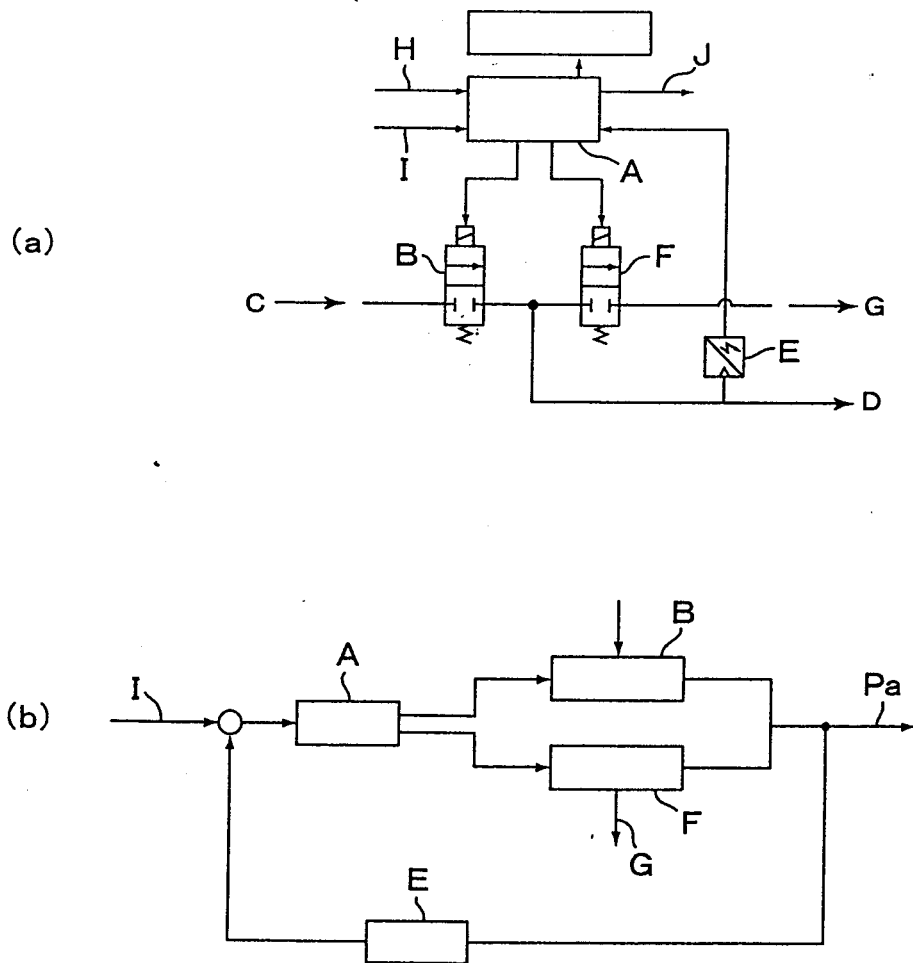


FIGURE 3

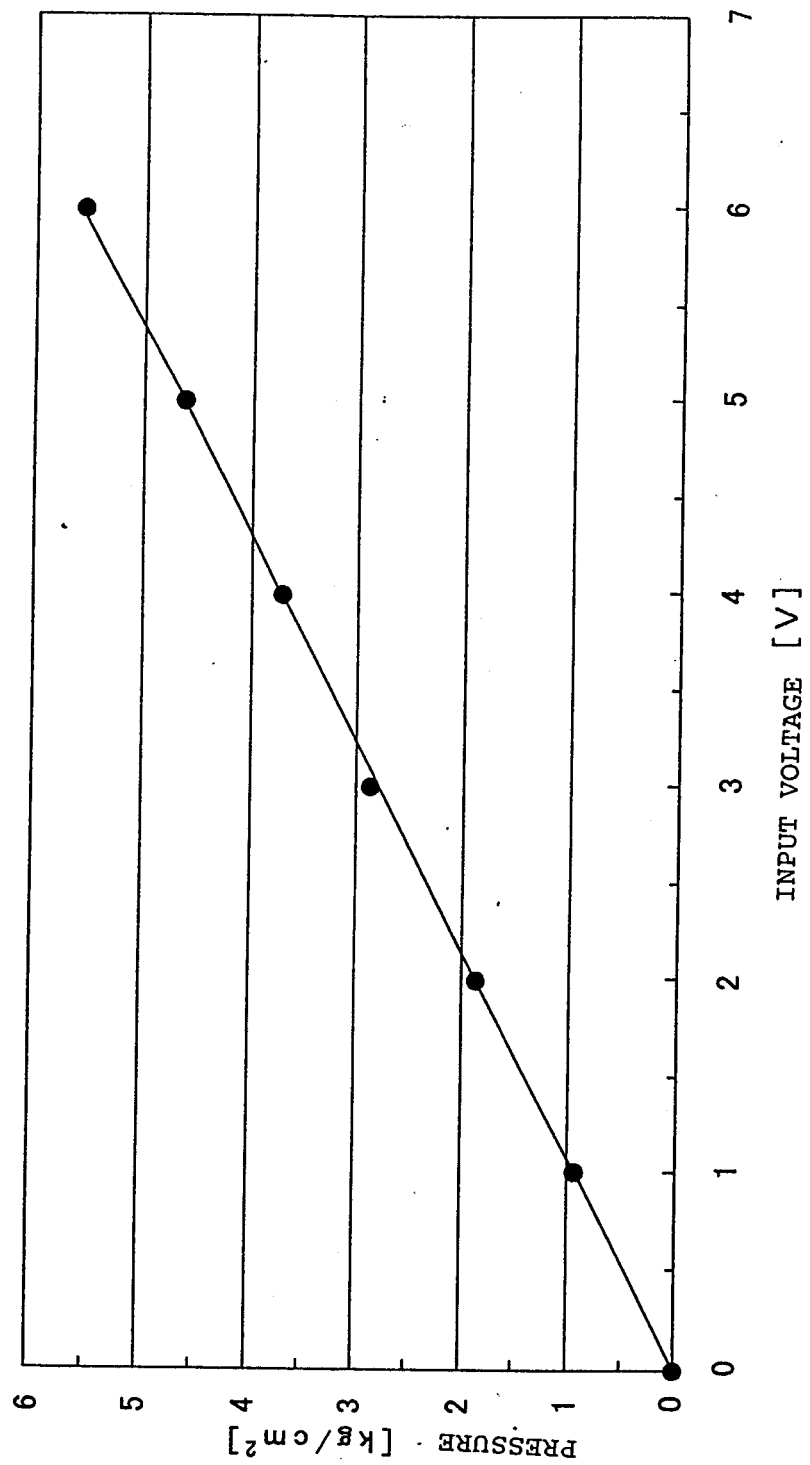


FIGURE 4

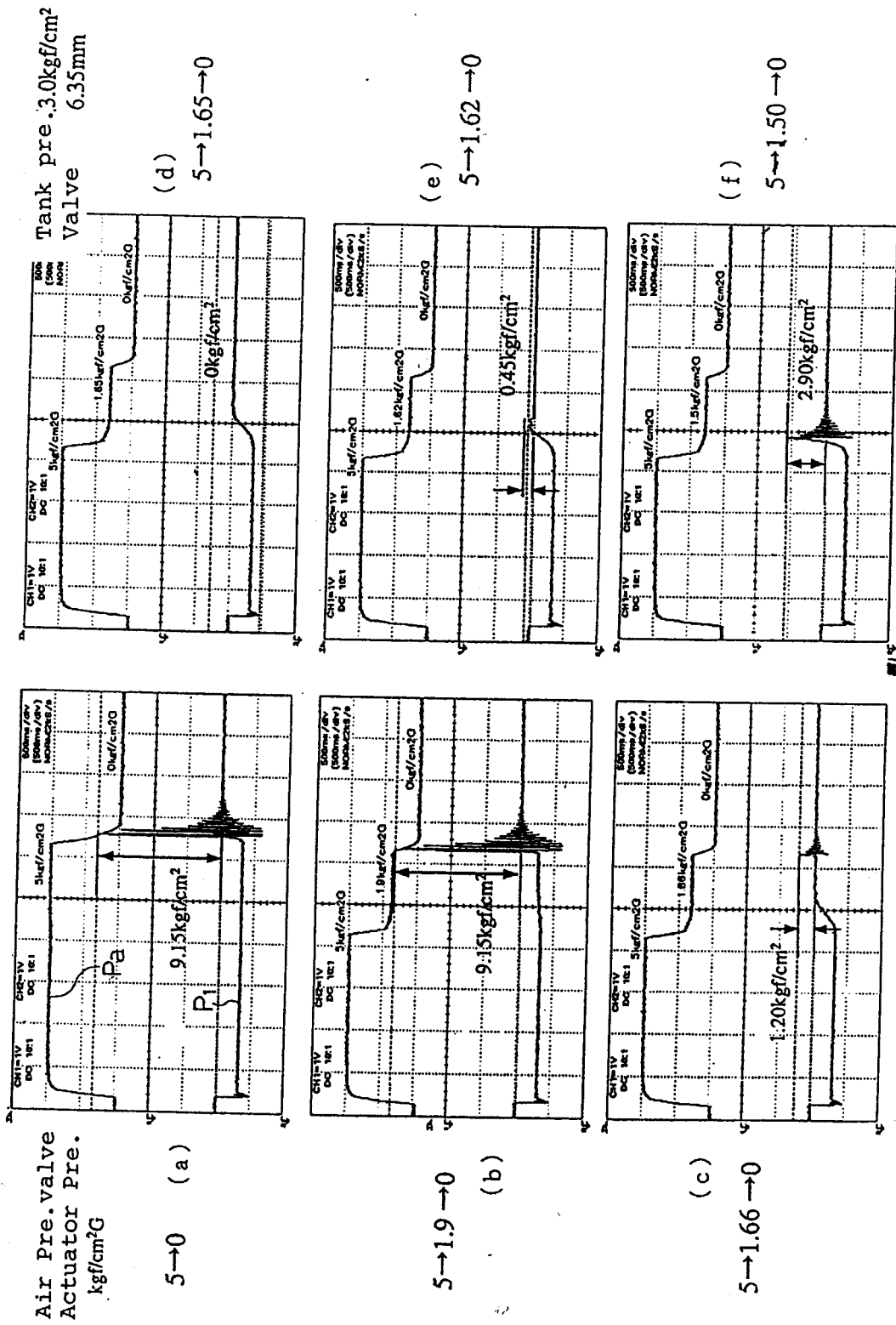


FIGURE 5

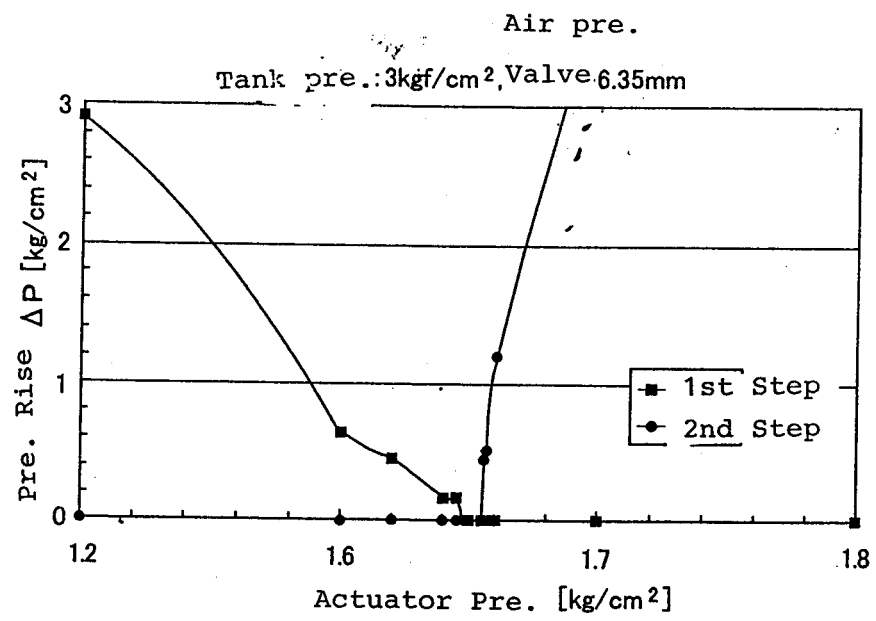




FIGURE 6

FIGURE 7

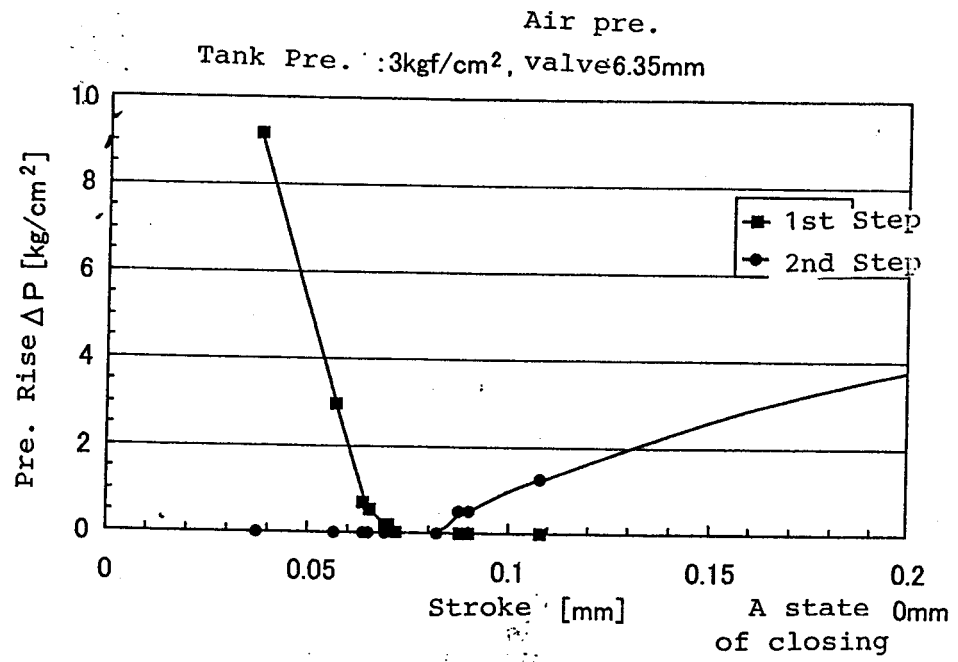
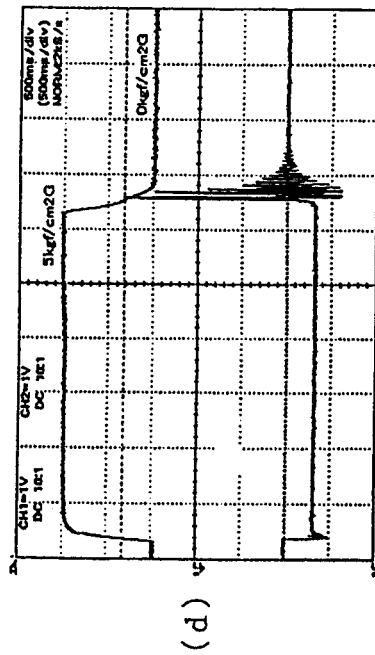


FIGURE 8

Tank Pressure : 3kgf/cm²G

5kgf/cm² → 0kgf/cm²

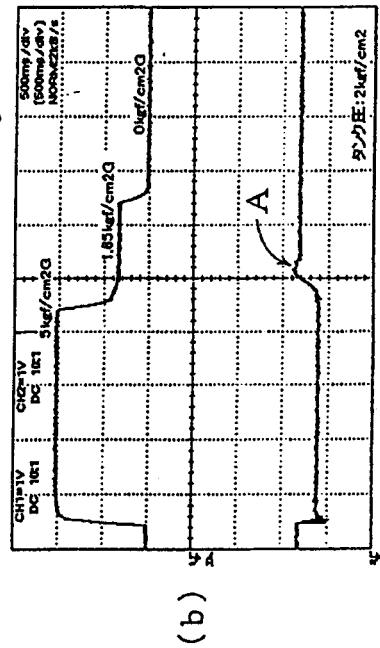


(d)

Tank Pressure : 2kgf/cm²G

Air Pre. Valve Actuator Pre. :

5kgf/cm² → 1.65kgf/cm² → 0kgf/cm²

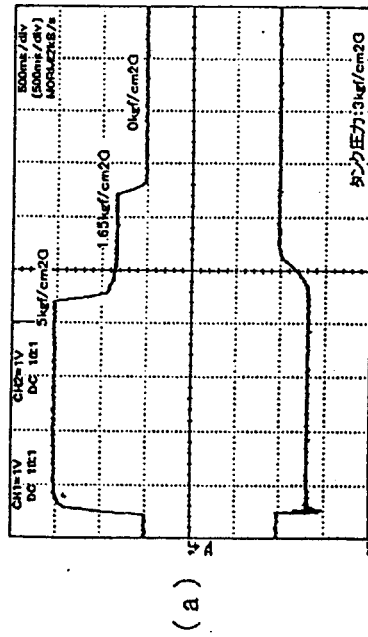


(b)

Tank Pressure : 3kgf/cm²G

Air pre. Valve Actuator Pre. :

5kgf/cm² → 1.65kgf/cm² → 0kgf/cm²

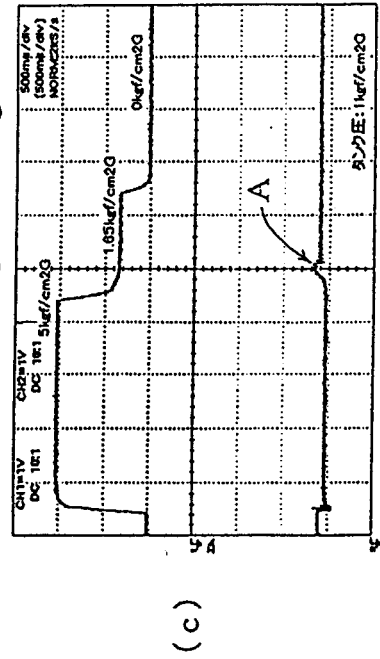


(a)

Tank Pressure : 1kgf/cm²G

Air Pre. Valve Actuator Pre. :

5kgf/cm² → 1.65kgf/cm² → 0kgf/cm²



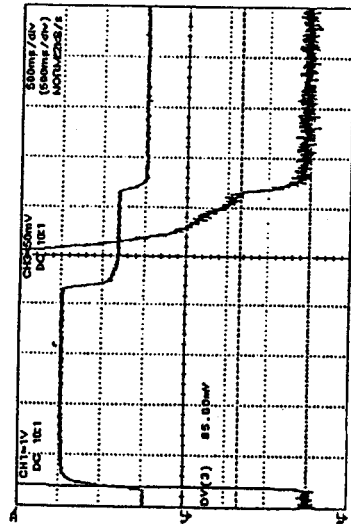
(c)

Tank Pressure: 3kgf/cm²G
 Air Pre. Valve Actuator Pre.:
 5kgf/cm²→1.65kgf/cm²→0kgf/cm²
 A stroke goes down when a tank pressure
 is lowered.



Occurrence of Water hammer

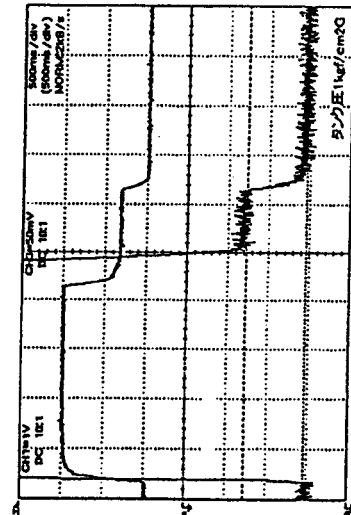
0.085mm



(a)

Tank Pressure : 2kgf/cm²G
 Air Pre. Valve Actuator Pre.:
 5kgf/cm²→1.65kgf/cm²→0kgf/cm²
 Tank Pressure 1kgf/cm²G
 Air pre. Valve Actuator Pre.:
 5kgf/cm²→1.65kgf/cm²→0kgf/cm²

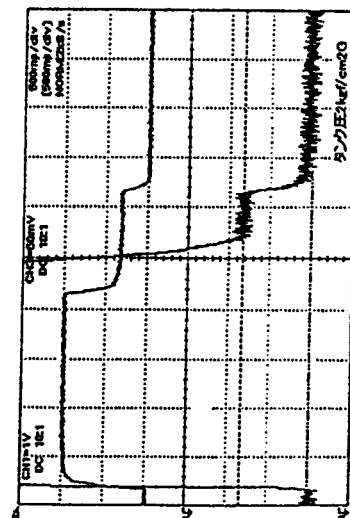
0.073mm



(c)

Tank Pressure : 2kgf/cm²G
 Air Pre. Valve Actuator Pre.:
 5kgf/cm²→1.65kgf/cm²→0kgf/cm²

0.080mm



(b)

FIGURE 9

FIGURE 10

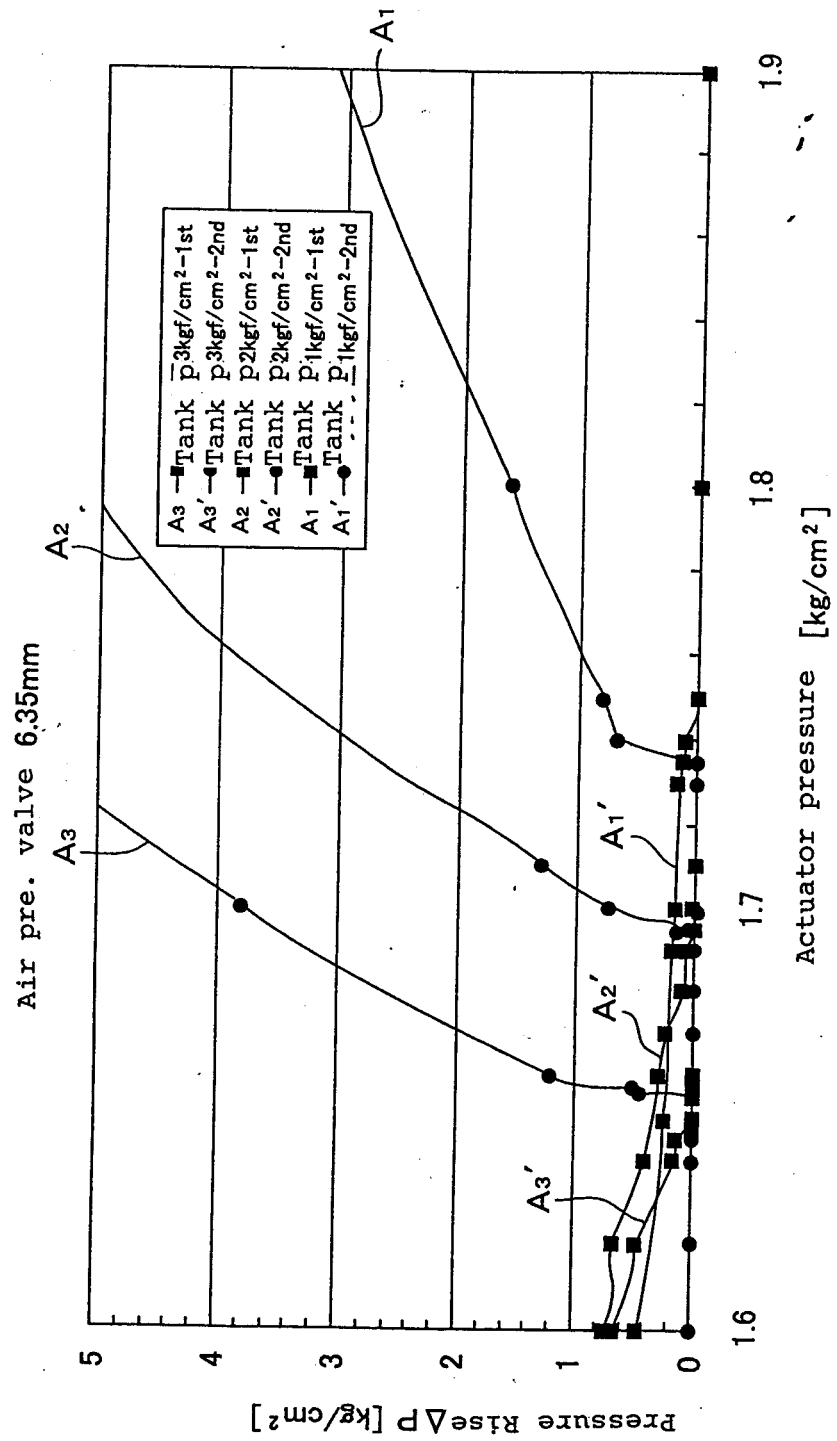


FIGURE 11

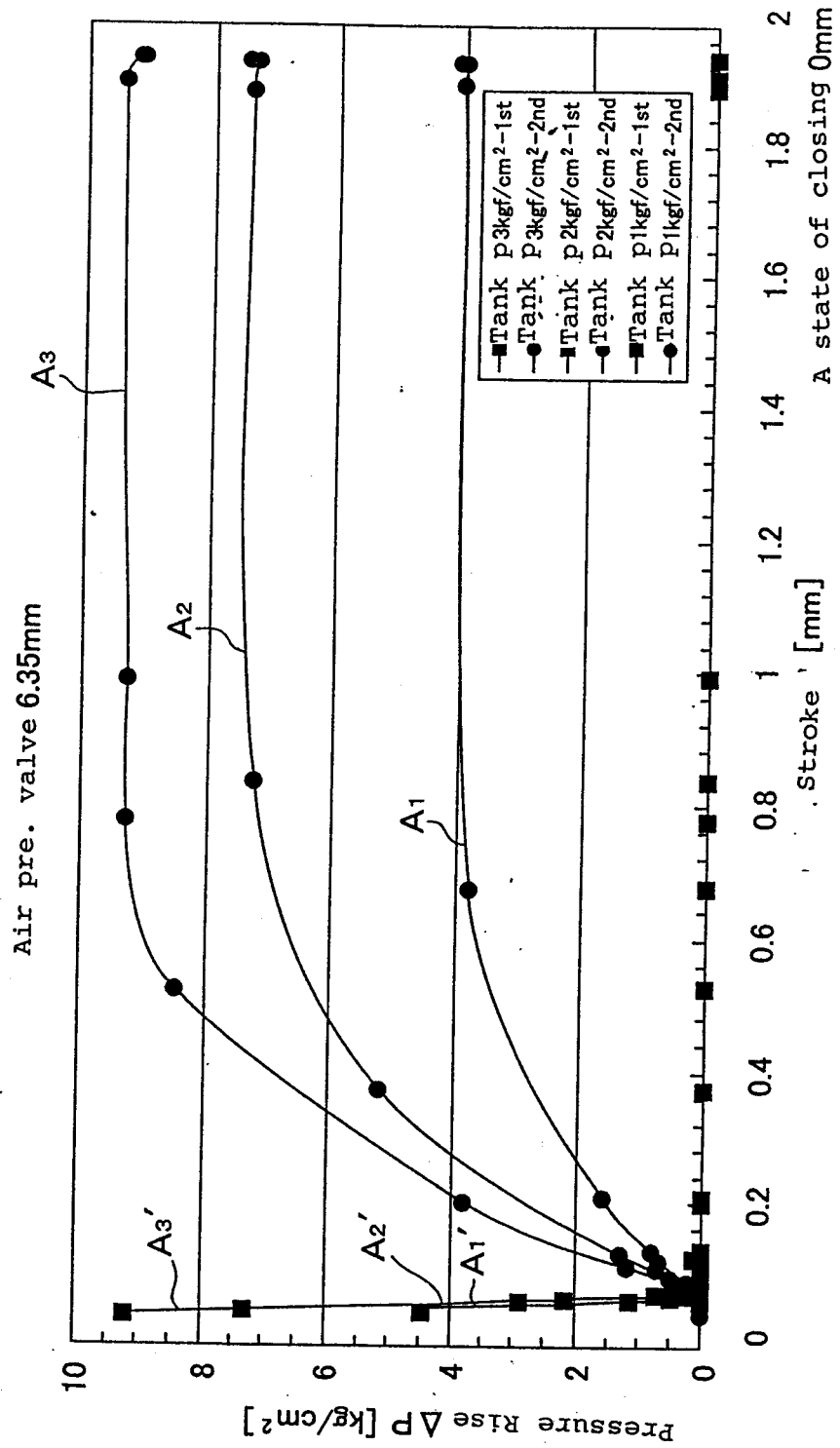


FIGURE 12

Air pre. valve 6.35mm

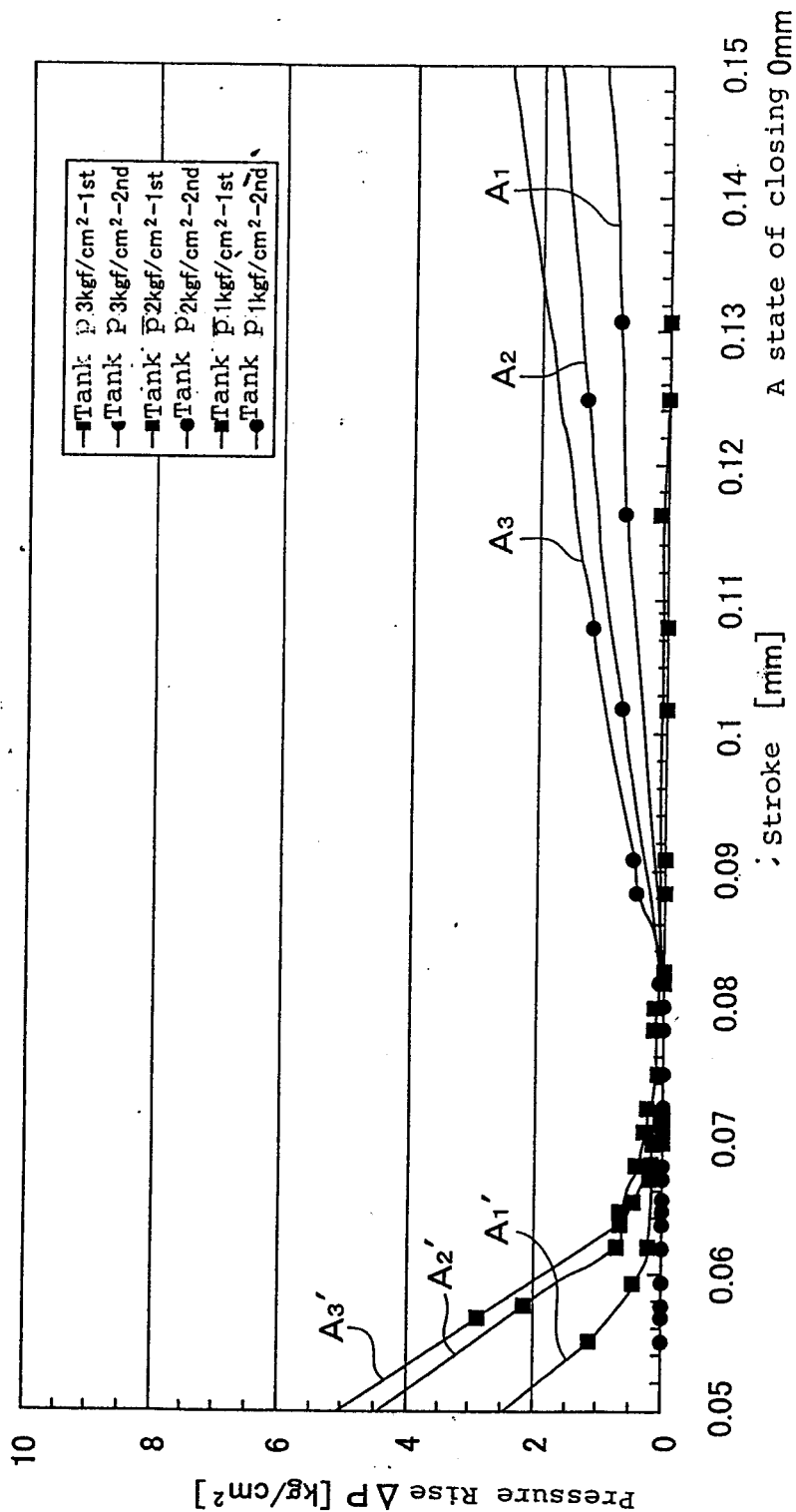


FIGURE 13

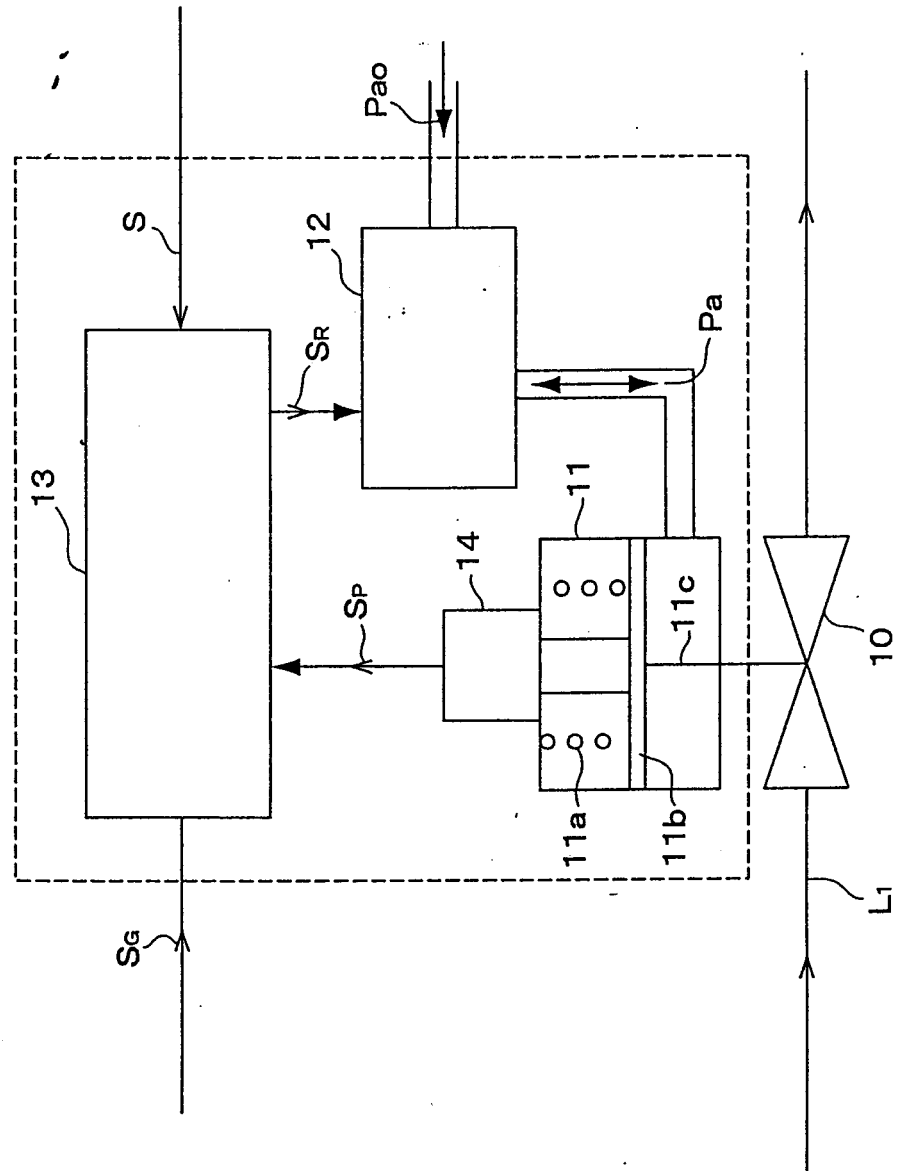


FIGURE 14

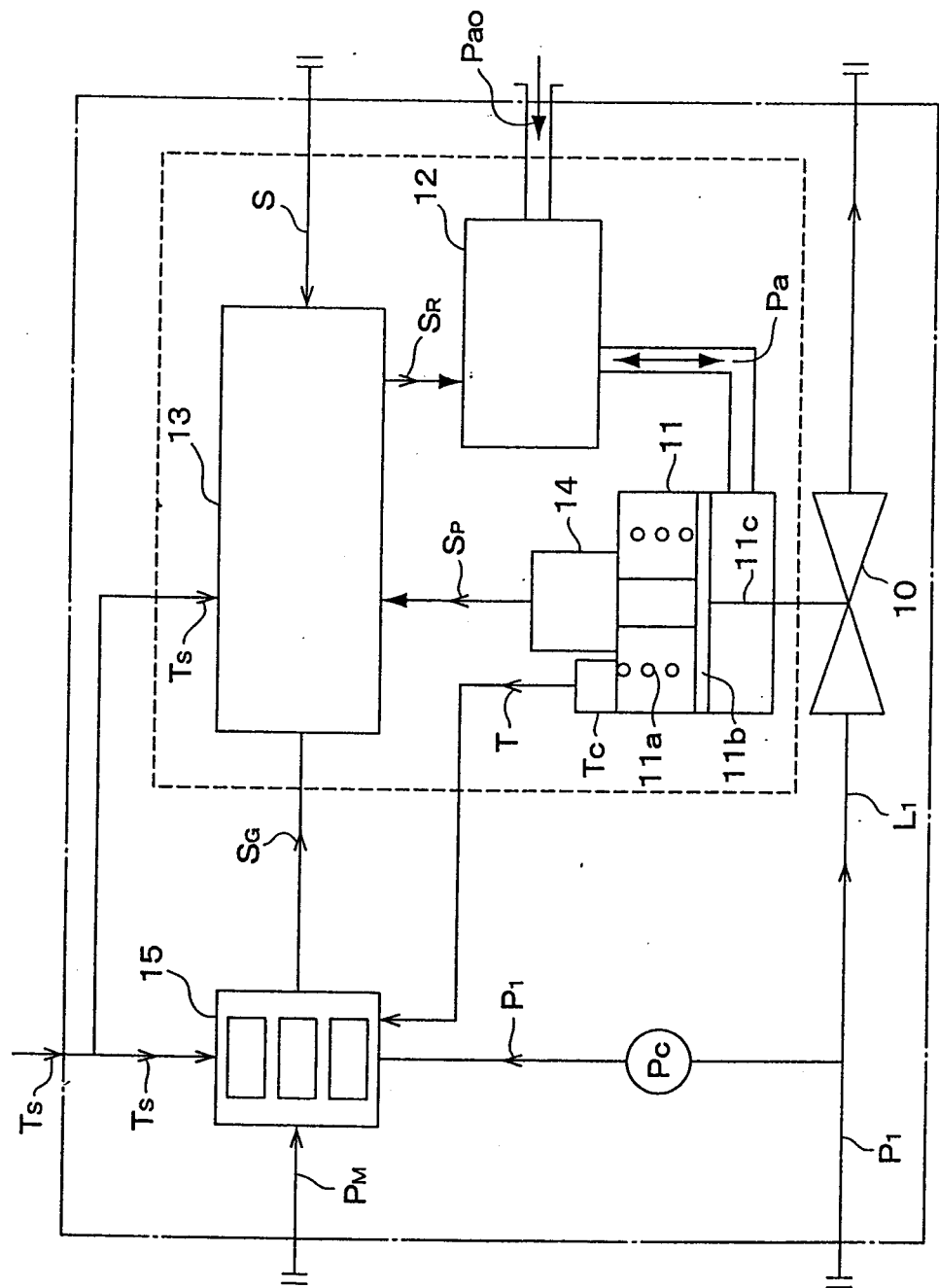


FIGURE 15

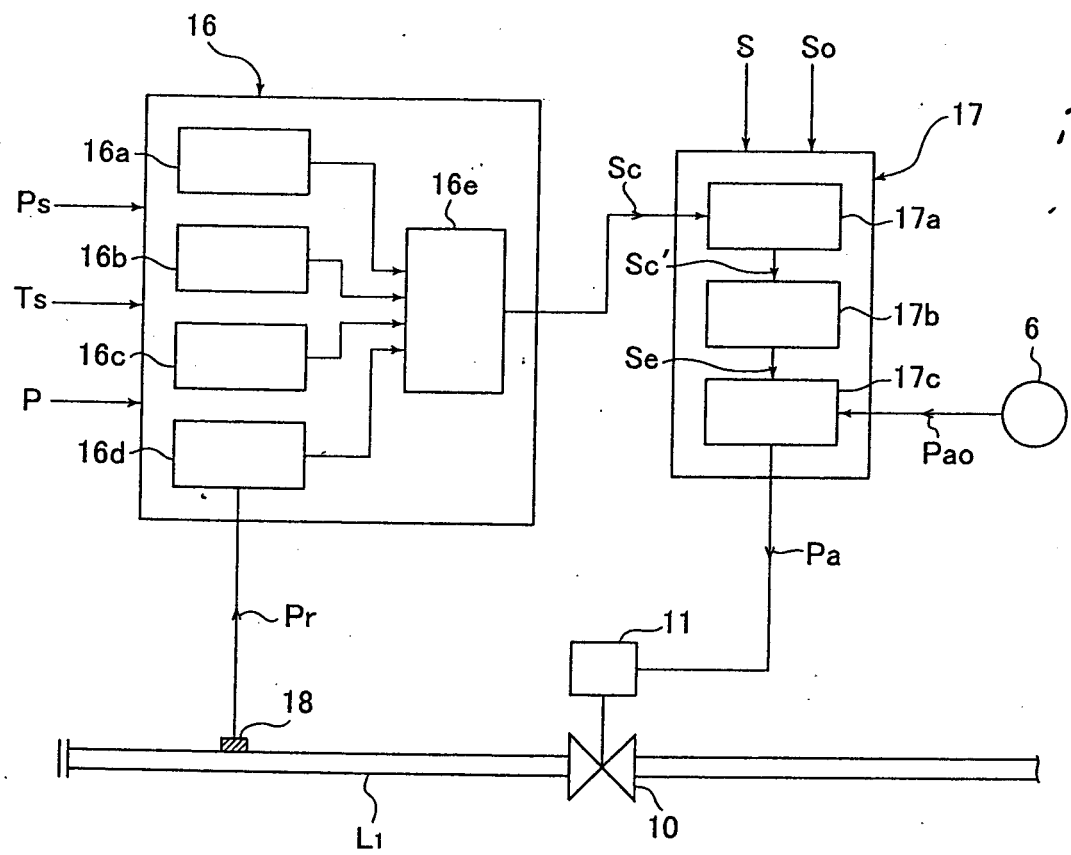


FIGURE 16

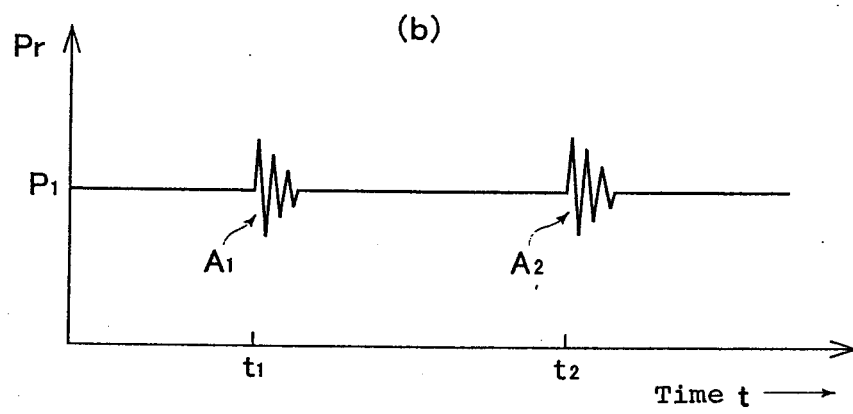
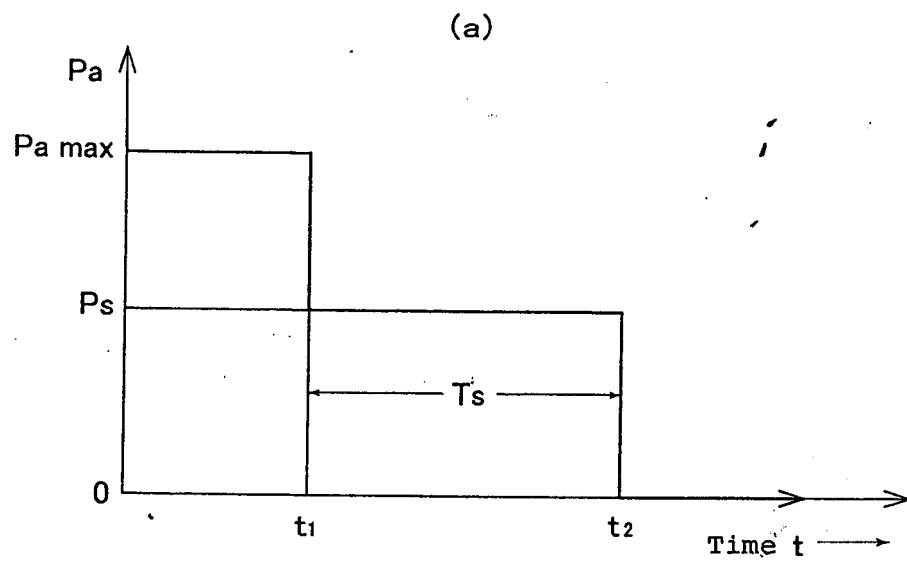


FIGURE 17

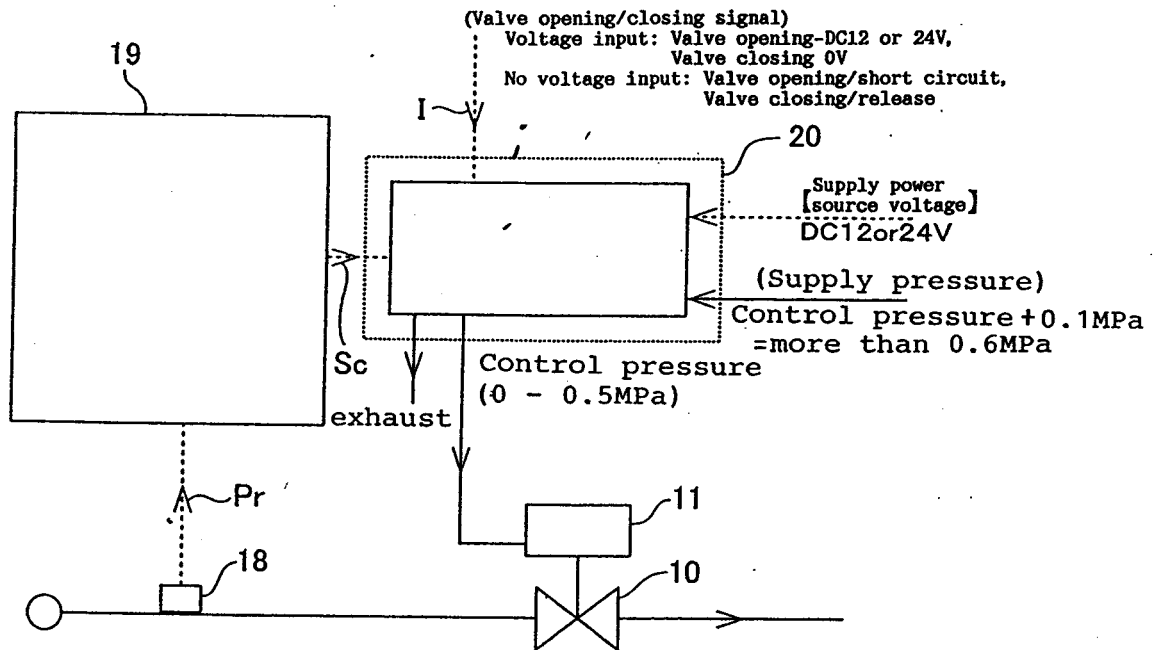


FIGURE 18

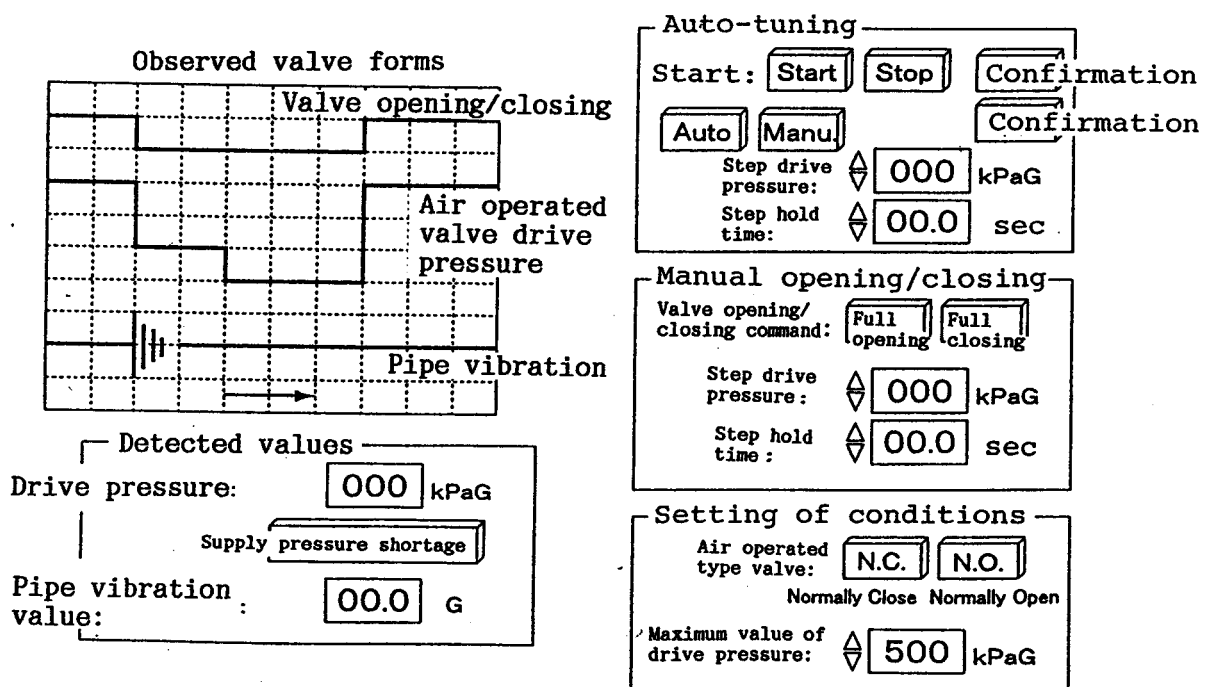


FIGURE 19

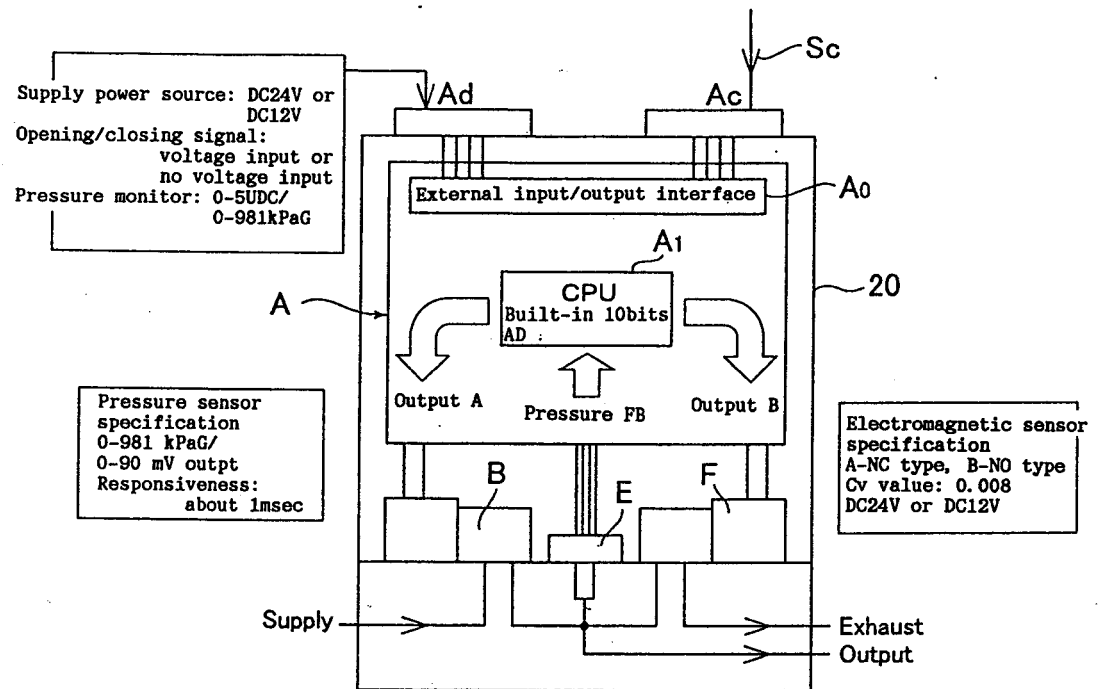


FIGURE 20

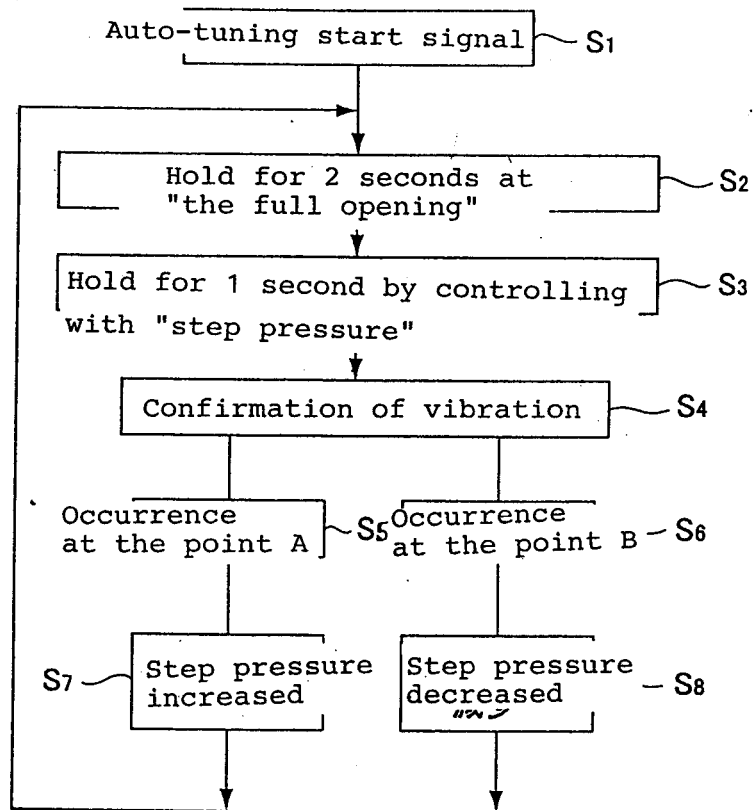


FIGURE 21

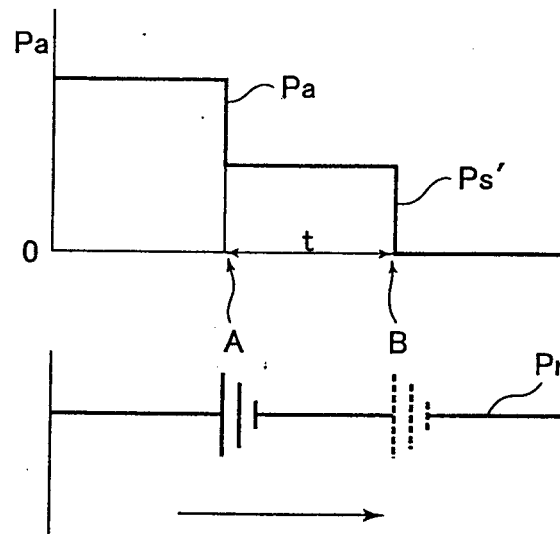


FIGURE 22

