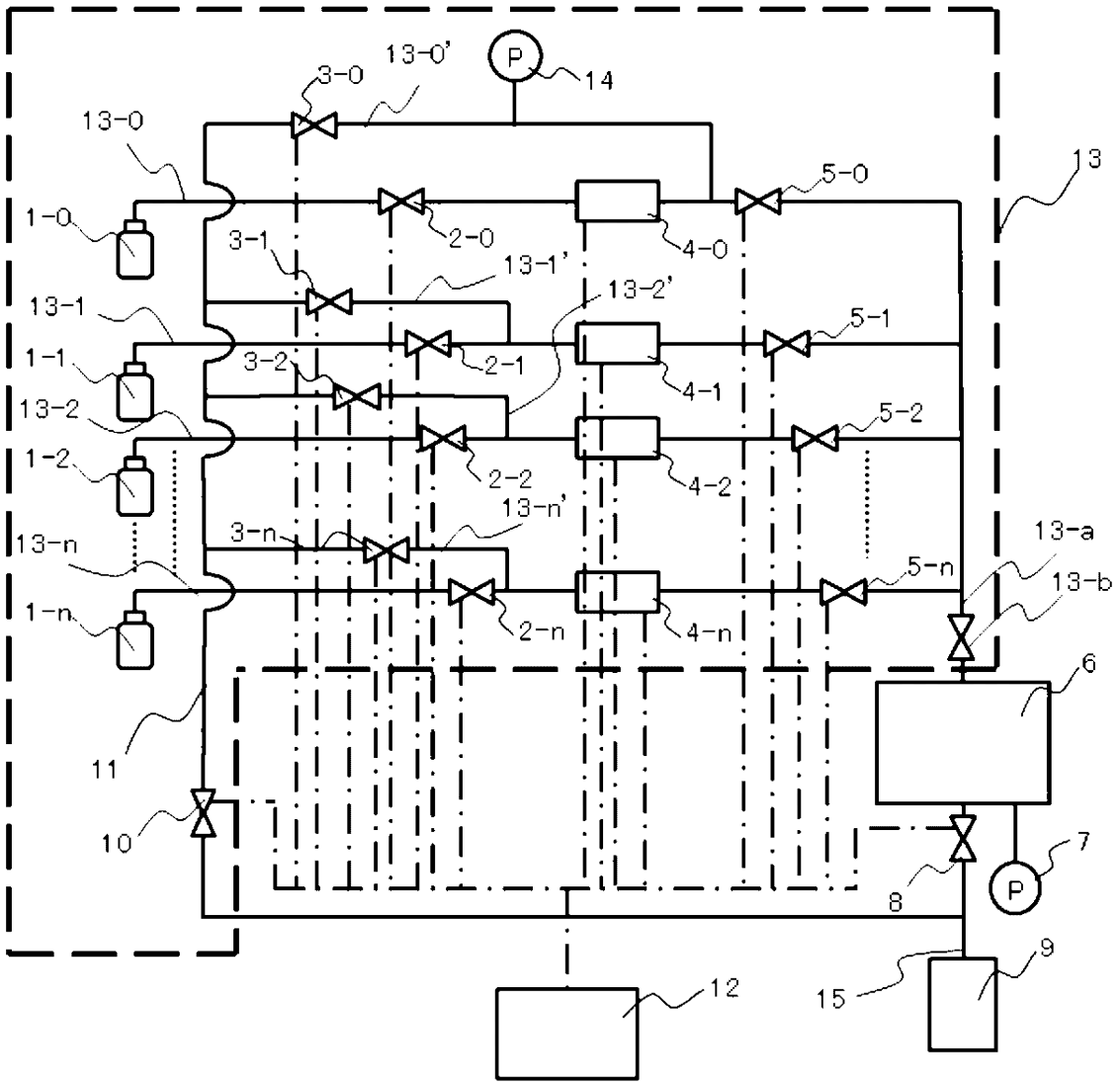
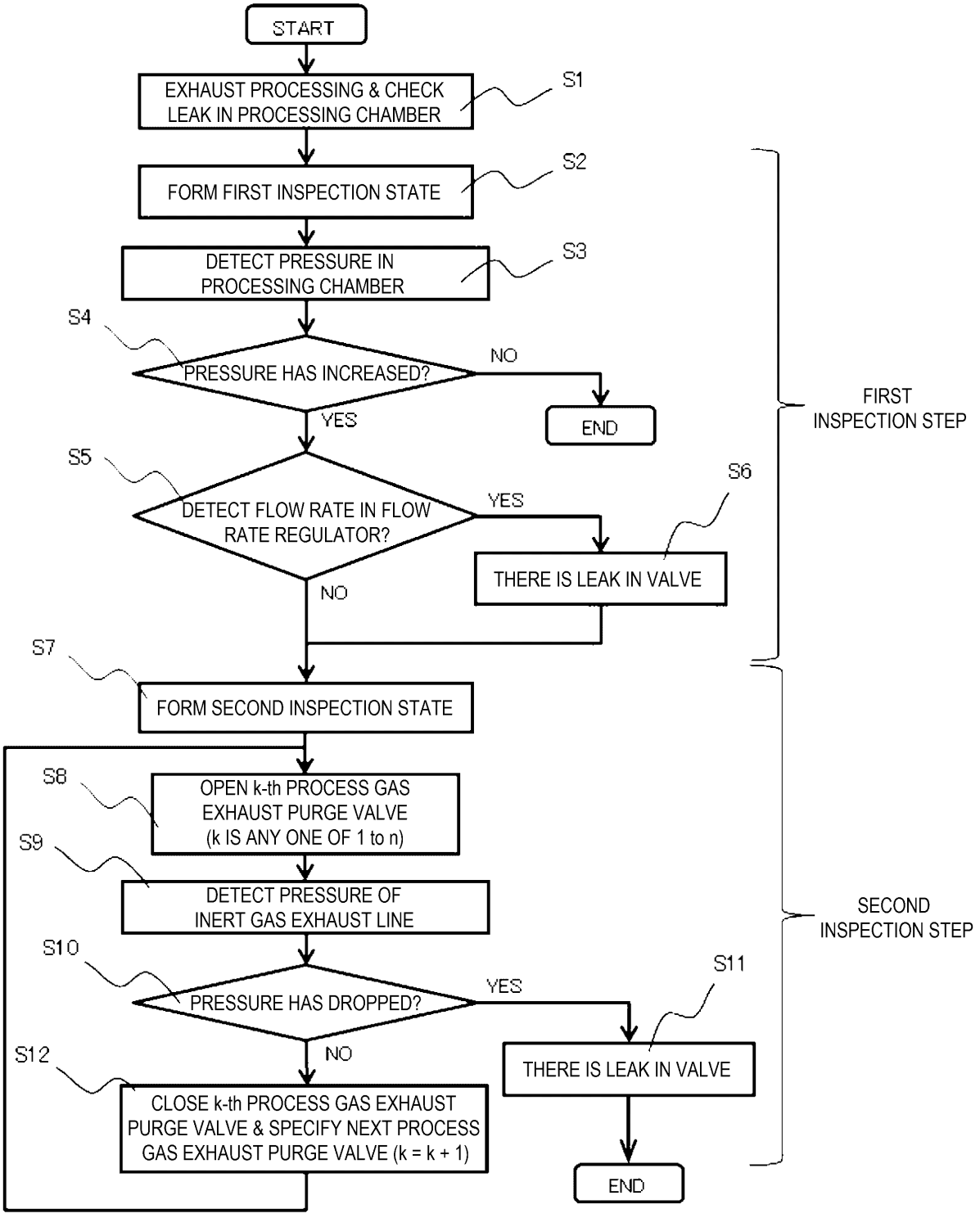
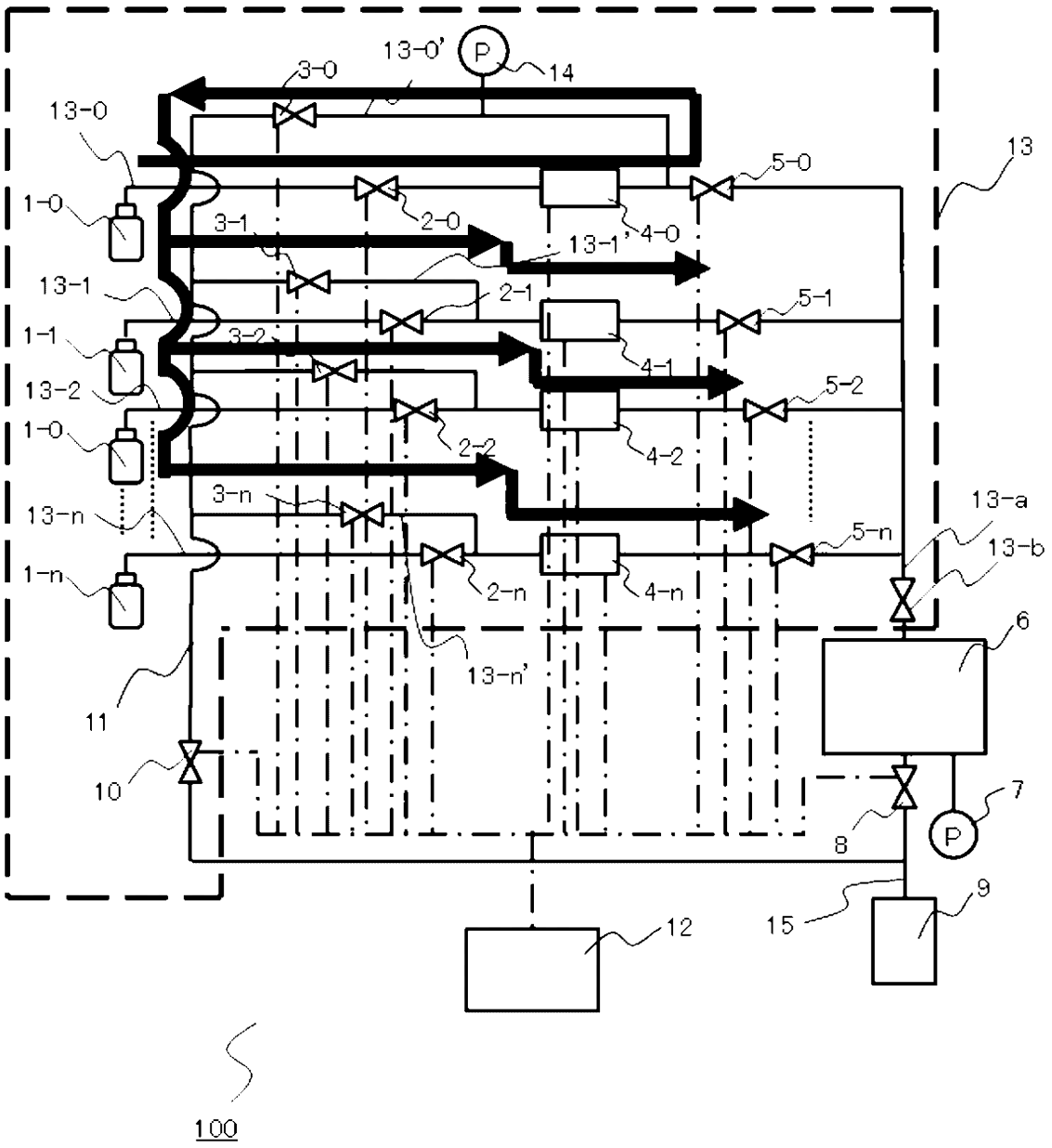
[FIG. 1]


13-0'
P
14
3-0
13-0
13
5-0
1-0
2-0
4-0
3-1
13-1'
13-2'
13-1
5-1
1-1
2-1
4-1
3-2
13-2
5-2
1-2
2-2
4-2
13-n'
3-n
13-a
13-n
5-n
13-b
1-n
2-n
4-n
6
11
10
7
8
P
9
15
12
100

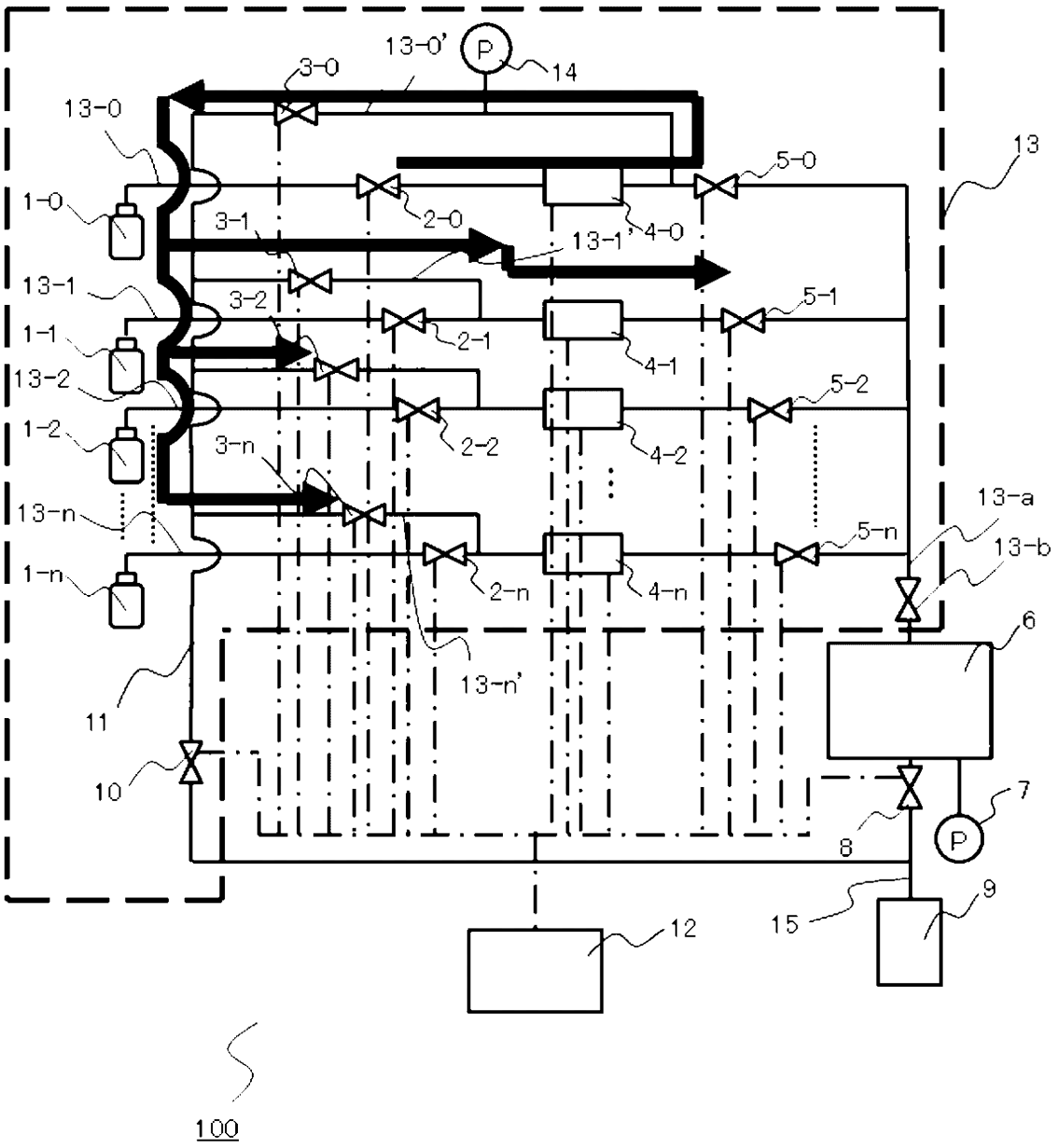
[FIG. 2]


START
EXHAUST PROCESSING & CHECK LEAK IN PROCESSING CHAMBER
S1
FORM FIRST INSPECTION STATE
S2
DETECT PRESSURE IN PROCESSING CHAMBER
S3
S4
PRESSURE HAS INCREASED?
NO
END
YES
S5
DETECT FLOW RATE IN FLOW RATE REGULATOR?
YES
S6
THERE IS LEAK IN VALVE
NO
FIRST INSPECTION STEP
S7
FORM SECOND INSPECTION STATE
S8
OPEN k-th PROCESS GAS EXHAUST PURGE VALVE (k IS ANY ONE OF 1 to n)
S9
DETECT PRESSURE OF INERT GAS EXHAUST LINE
S10
PRESSURE HAS DROPPED?
YES
S11
NO
S12
THERE IS LEAK IN VALVE
CLOSE k-th PROCESS GAS EXHAUST PURGE VALVE & SPECIFY NEXT PROCESS GAS EXHAUST PURGE VALVE (k = k + 1)
END
SECOND INSPECTION STEP

[FIG. 3]


13-0'
P
14
3-0
13-0
13
5-0
1-0
2-0
4-0
3-1
13-1'
13-1
2-1
5-1
1-1
3-2
4-1
13-2
5-2
1-0
2-2
4-2
3-n
13-a
13-n
5-n
13-b
1-n
2-n
4-n
6
13-n'
11
10
7
8
P
9
15
12
100

[FIG. 4]


13-0'
P
14
3-0
13-0
13
5-0
1-0
2-0
4-0
3-1
13-1'
13-1
3-2
5-1
1-1
2-1
4-1
13-2
5-2
1-2
2-2
4-2
3-n
13-a
13-n
5-n
13-b
1-n
2-n
4-n
6
13-n'
11
10
7
8
P
9
15
12
100