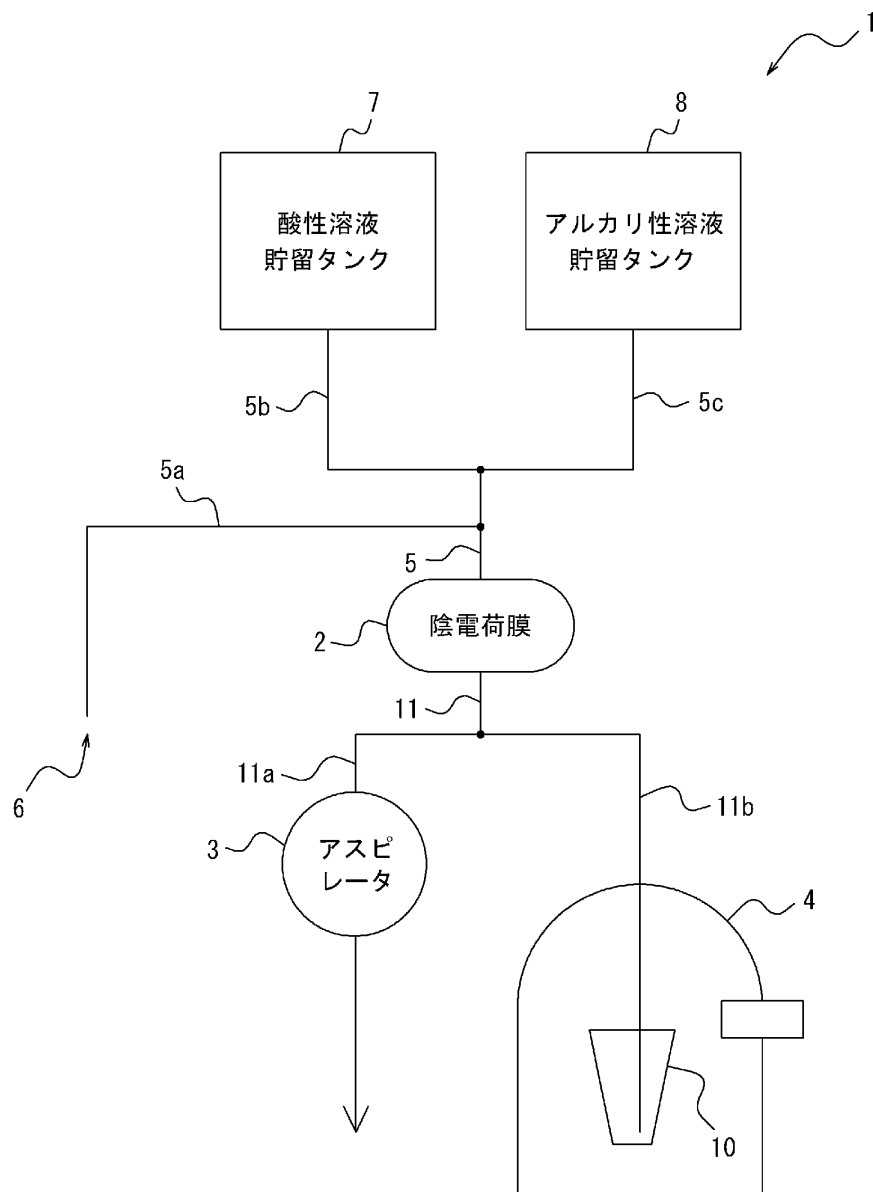
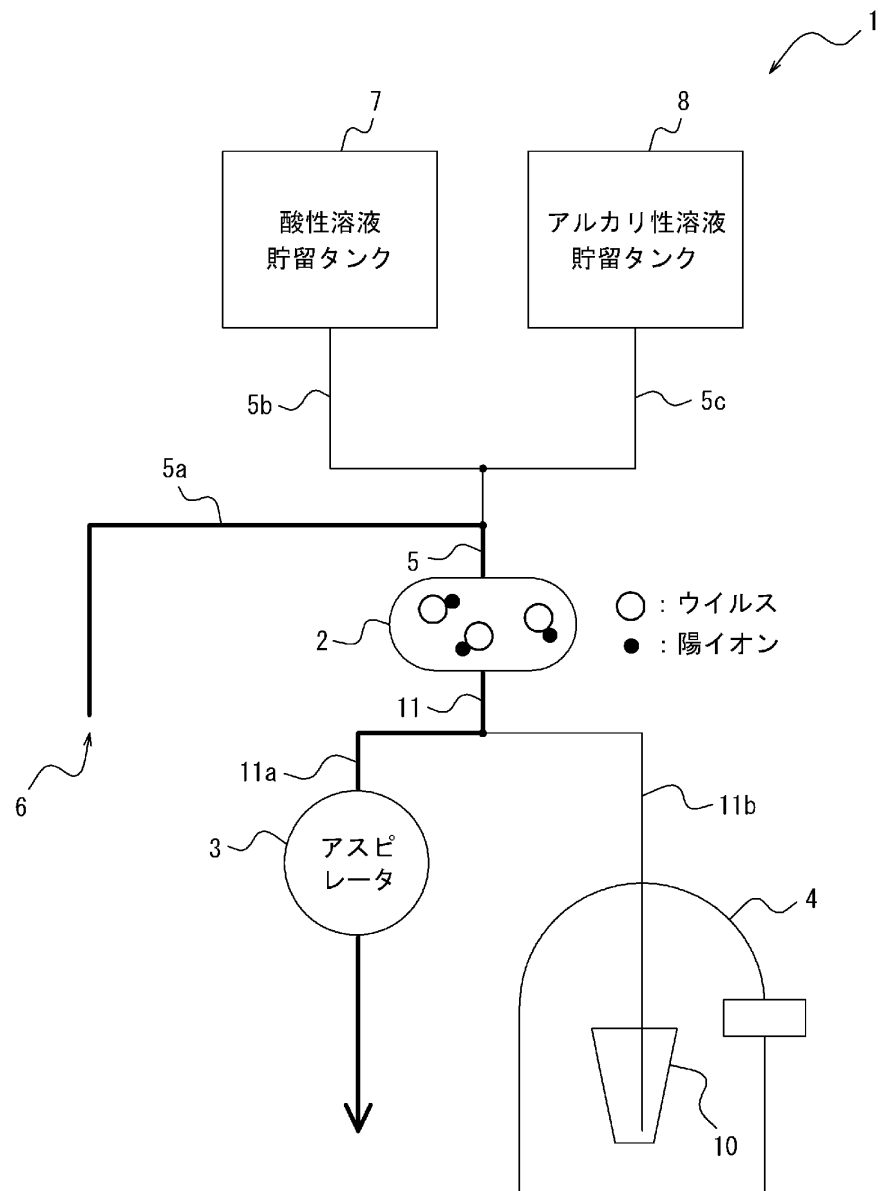


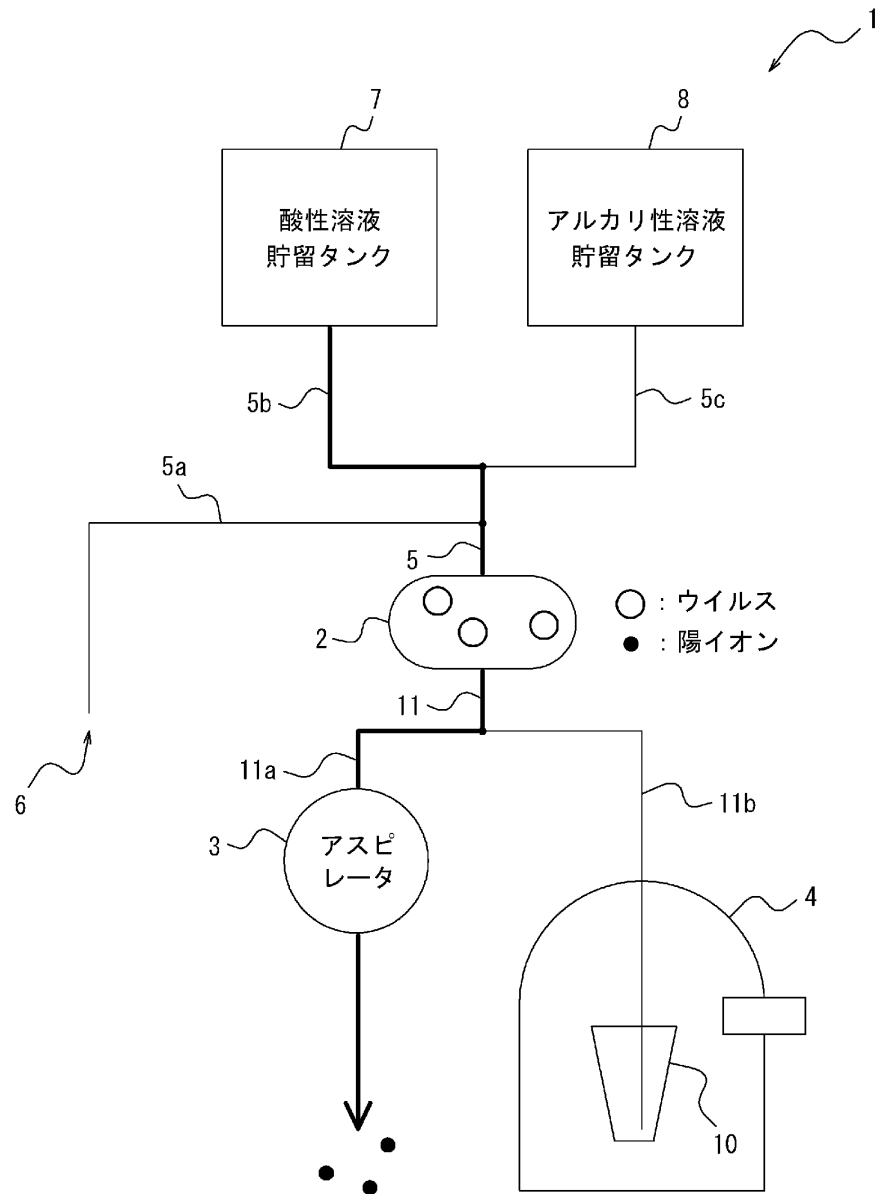
[図1]



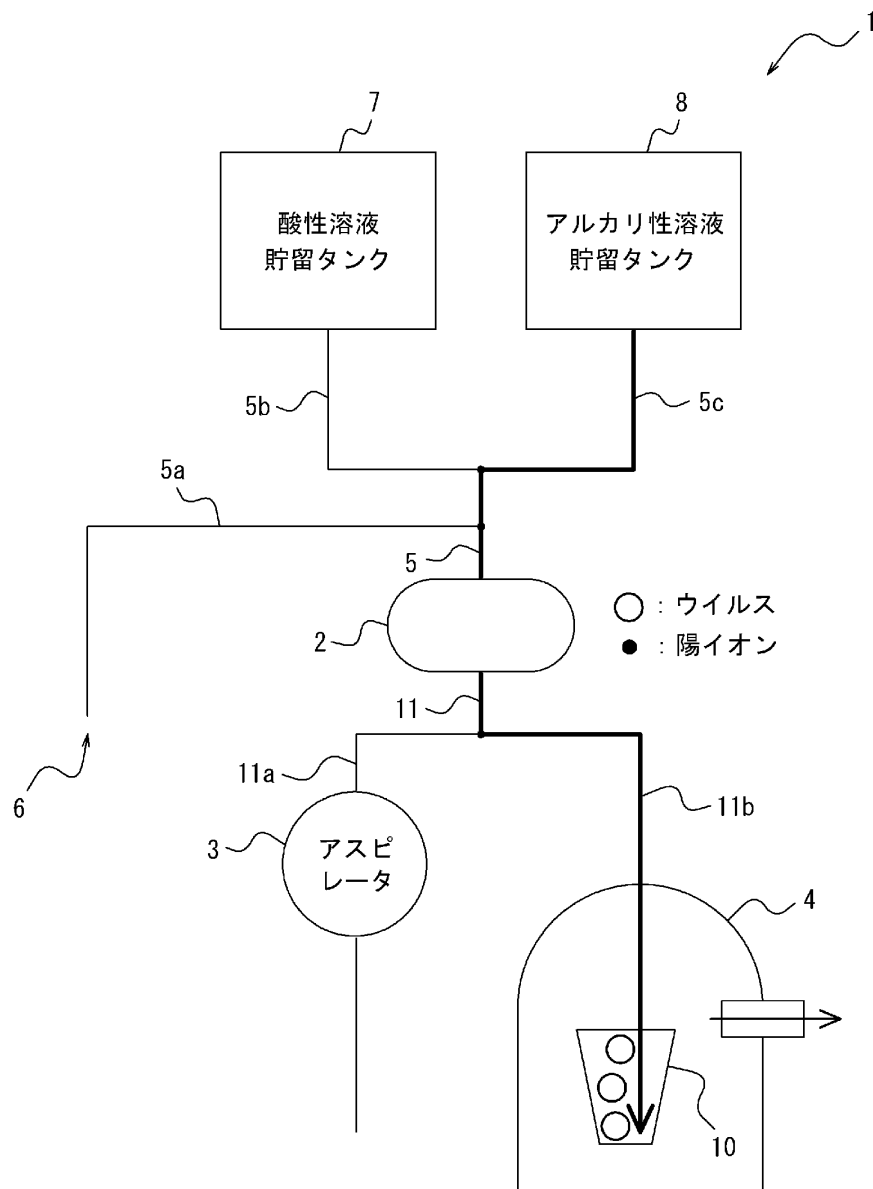
[図2]



[図3]



[図4]

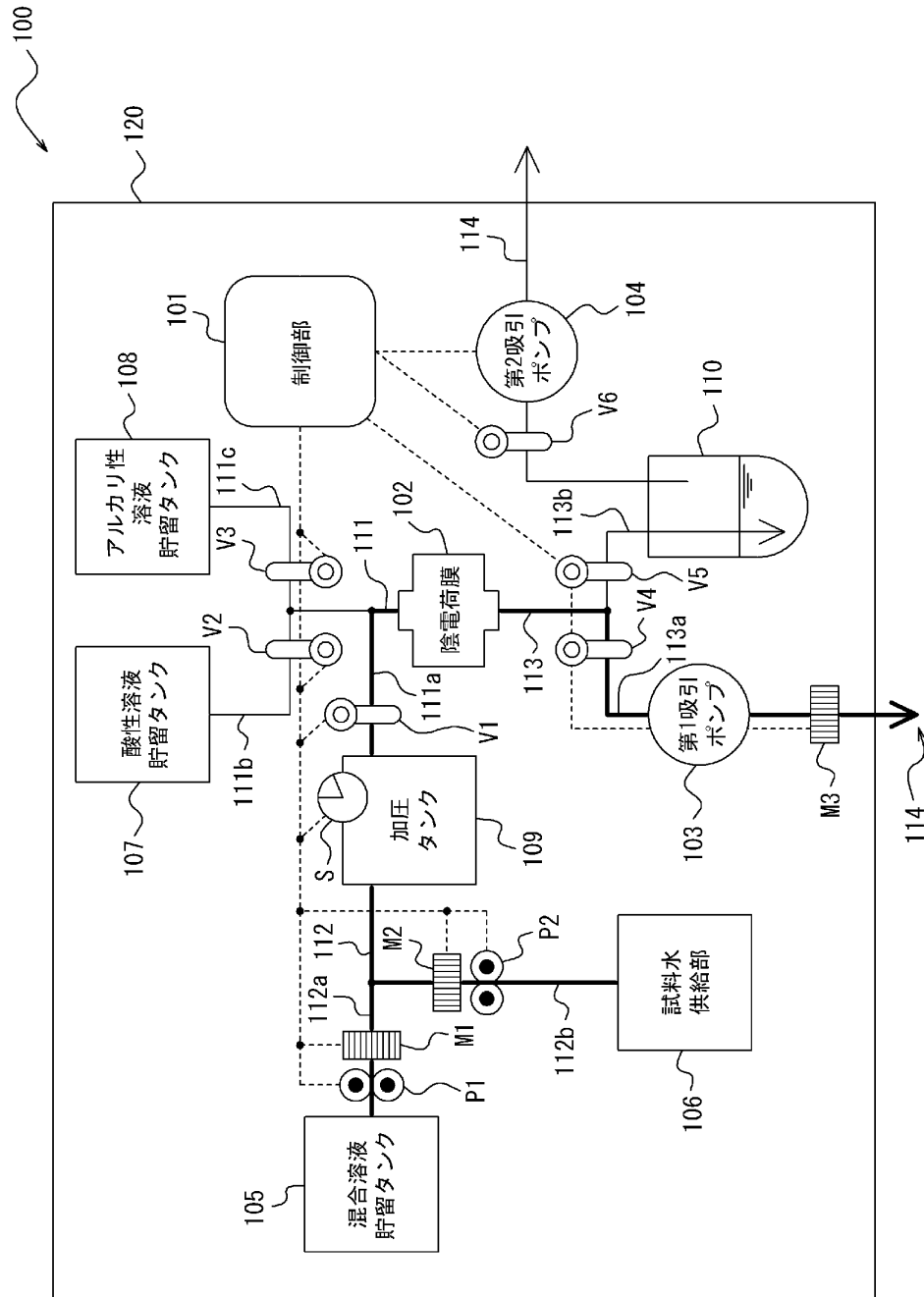


The diagram illustrates a water supply system for a water treatment apparatus. The system is enclosed in a box labeled 100. It includes several components and their interconnections:

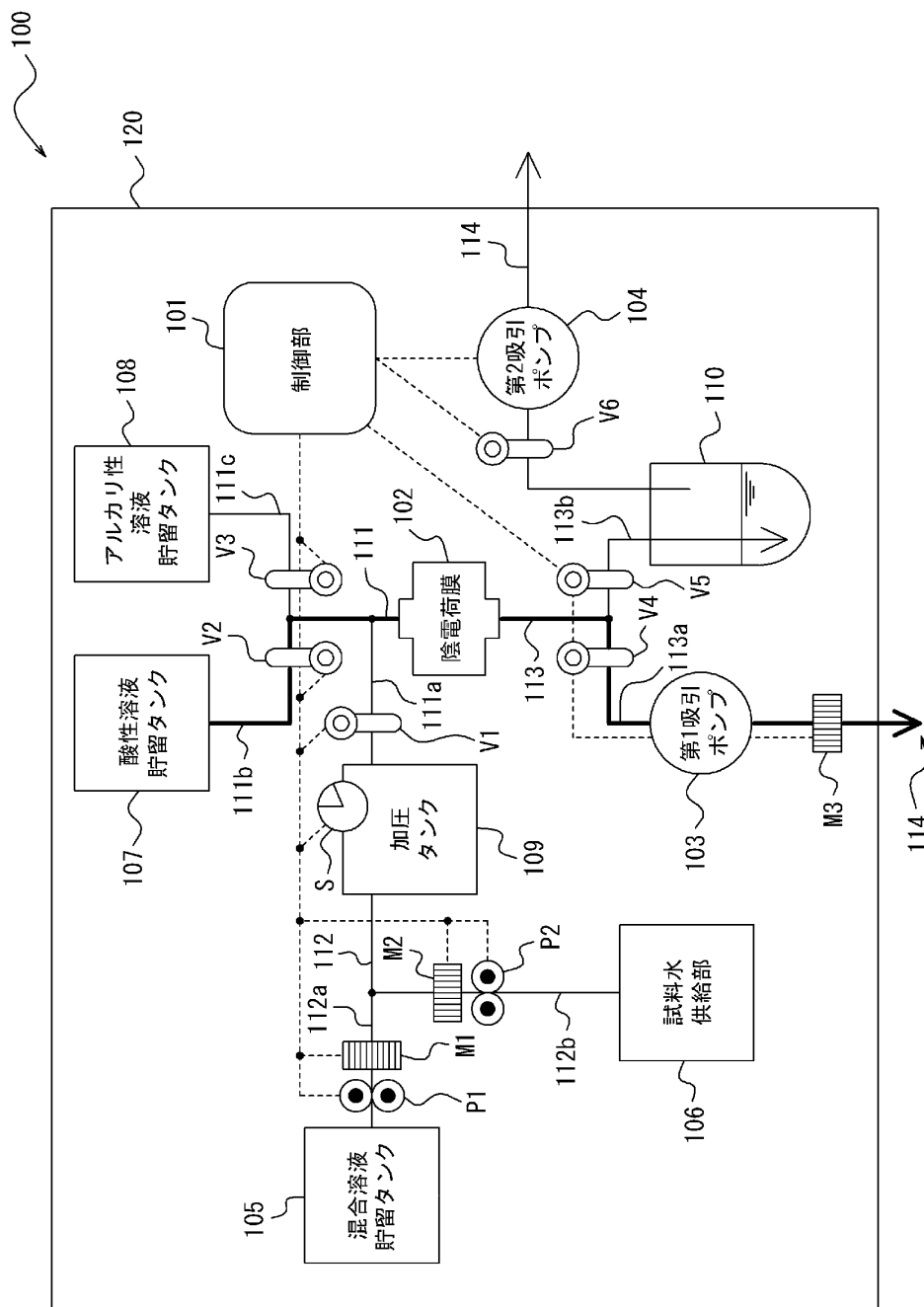
- 105 混合溶液貯留タンク (Mixed Solution Storage Tank):** Connected to the system via pipes 112a and 112b. It contains pumps P1 and P2, and a filter M1.
- 107 酸性溶液貯留タンク (Acidic Solution Storage Tank):** Connected via pipe 111b to valve V2.
- 108 アルカリ性溶液貯留タンク (Alkaline Solution Storage Tank):** Connected via pipe 111c to valve V3.
- 101 制御部 (Control Unit):** Connected to valves V1, V2, V3, V4, V5, V6, and pumps P1, P2, and the second pump 104.
- 109 加圧タンク (Pressure Tank):** Connected to the system via pipe 111a and valve V1. It contains a pressure gauge S.
- 102 陰電荷膜 (Anion Exchange Membrane):** Connected to the system via pipe 111 and valve V1.
- 103 第1吸引ポンプ (First Suction Pump):** Connected to the system via pipe 113a and valve V4. It is also connected to a water supply unit 106.
- 104 第2吸引ポンプ (Second Suction Pump):** Connected to the system via pipe 113b and valve V5. It is also connected to a water supply unit 110.
- 106 試料水供給部 (Sample Water Supply Unit):** Connected to the first pump 103 via pipe 112b.
- 110 水処理装置 (Water Treatment Unit):** Connected to the second pump 104 via pipe 113b.
- 114 水供給線 (Water Supply Line):** The main line for water supply, connected to the system via pipe 114.

The system is designed to supply water to a water treatment unit (110) through a water supply line (114). The water supply unit (110) is connected to the second pump (104) via a pipe (113b). The water supply unit (110) is also connected to the first pump (103) via a pipe (113a). The first pump (103) is connected to the water supply unit (106) via a pipe (112b). The water supply unit (106) is connected to the mixed solution storage tank (105) via a pipe (112a). The mixed solution storage tank (105) is connected to the system via a pipe (112a) and a valve (V1). The system also includes a pressure tank (109) and a diaphragm pump (102) connected to the system via a pipe (111a) and a valve (V1). The system also includes an acidic solution storage tank (107) and an alkaline solution storage tank (108) connected to the system via pipes (111b) and (111c) and valves (V2) and (V3). The system is controlled by a control unit (101) connected to various components.

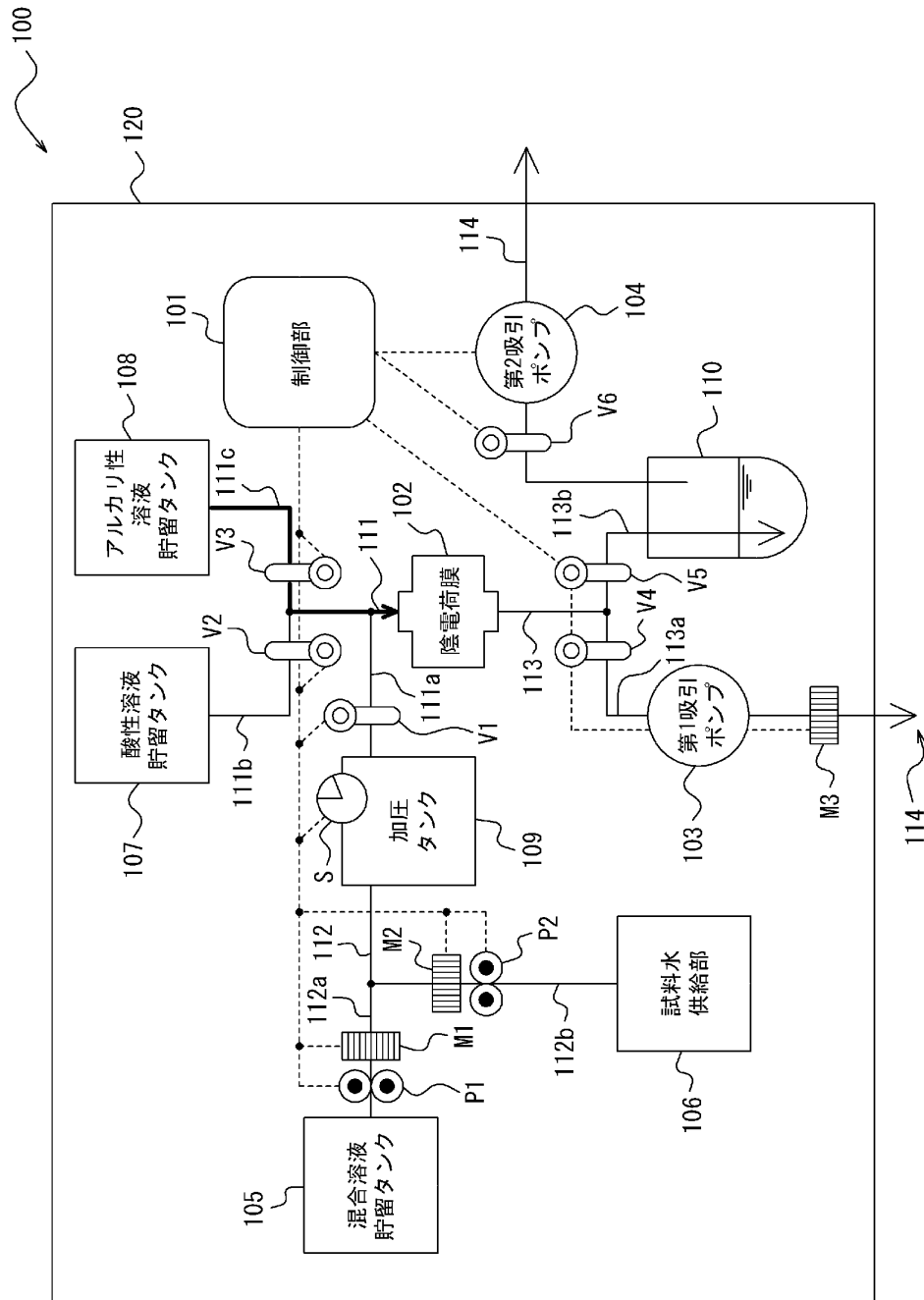
[図6]



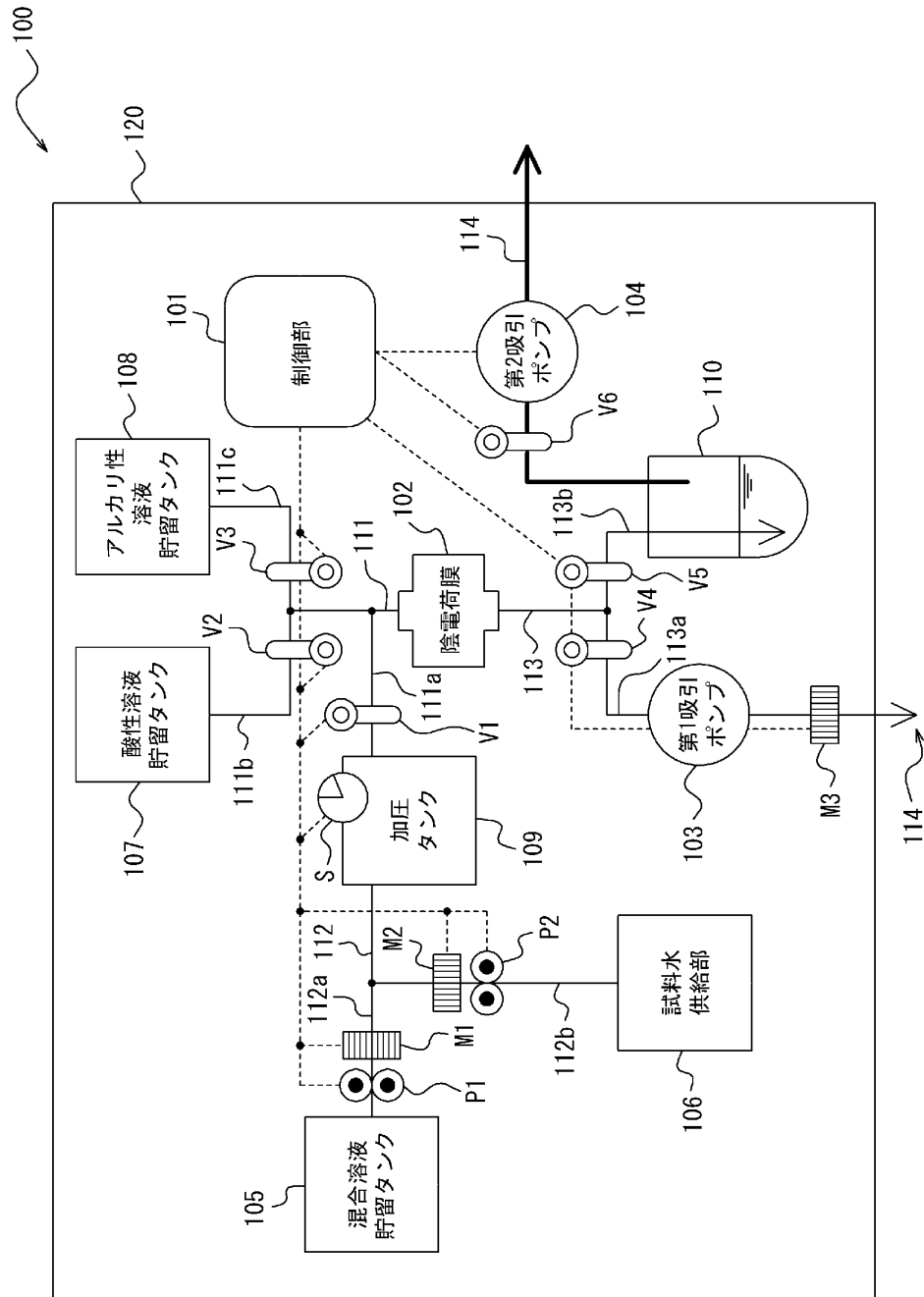
[図7]



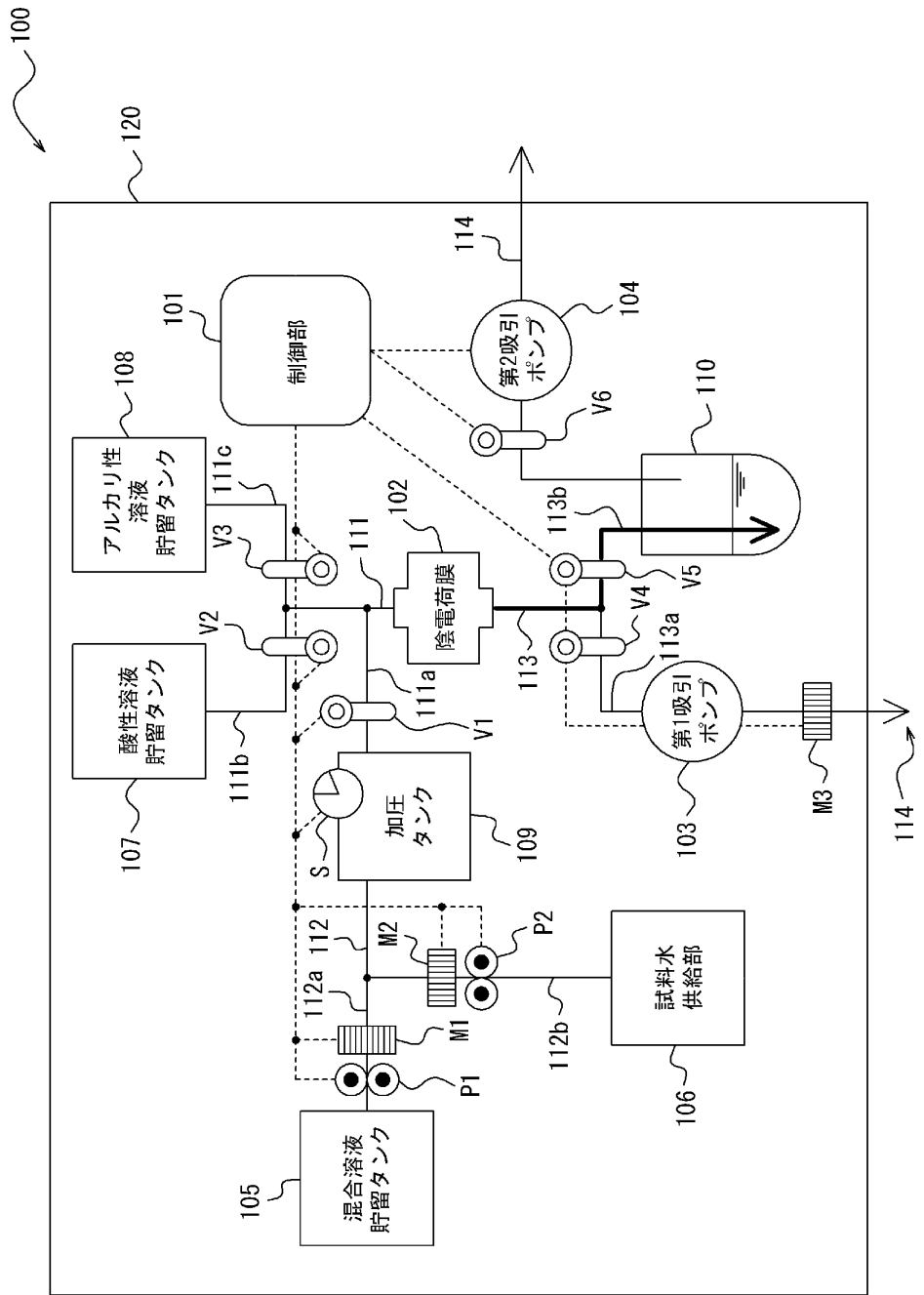
[図8]



[図9]



[図10]



[図11]

	第1 電磁弁V1	第2 電磁弁V2	第3 電磁弁V3	第4 電磁弁V4	第5 電磁弁V5	第6 電磁弁V6
第1 ステップ	閉	閉	閉	閉	閉	閉
第2 ステップ	閉	開	閉	開	閉	閉
第3 ステップ	閉	閉	開	閉	閉	閉
第4 ステップ	閉	閉	閉	閉	閉	開
第5 ステップ	閉	閉	閉	閉	開	閉

	第1 送液ポンプ P1	第2 送液ポンプ P2	第1 流量計M1	第2 流量計M2	第3 流量計M3	圧力センサ S	第1 吸引ポンプ 103	第2 吸引ポンプ 104
	on	on	on	on	on	on	on	off
	off	off	off	off	on	off	on	off
	off	off	off	off	off	off	off	off
	off	off	off	off	off	off	off	on
	off	off	off	off	off	off	off	off