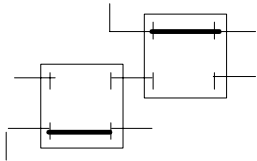
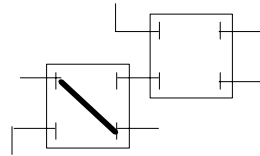


HYDRAULIC DIAGRAM FALCON

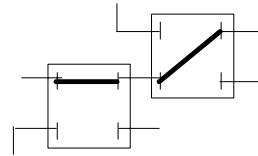
Position (0)
Jack draining
Steam draining



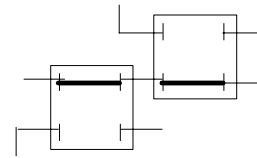
Position (1)
Steam + hot water



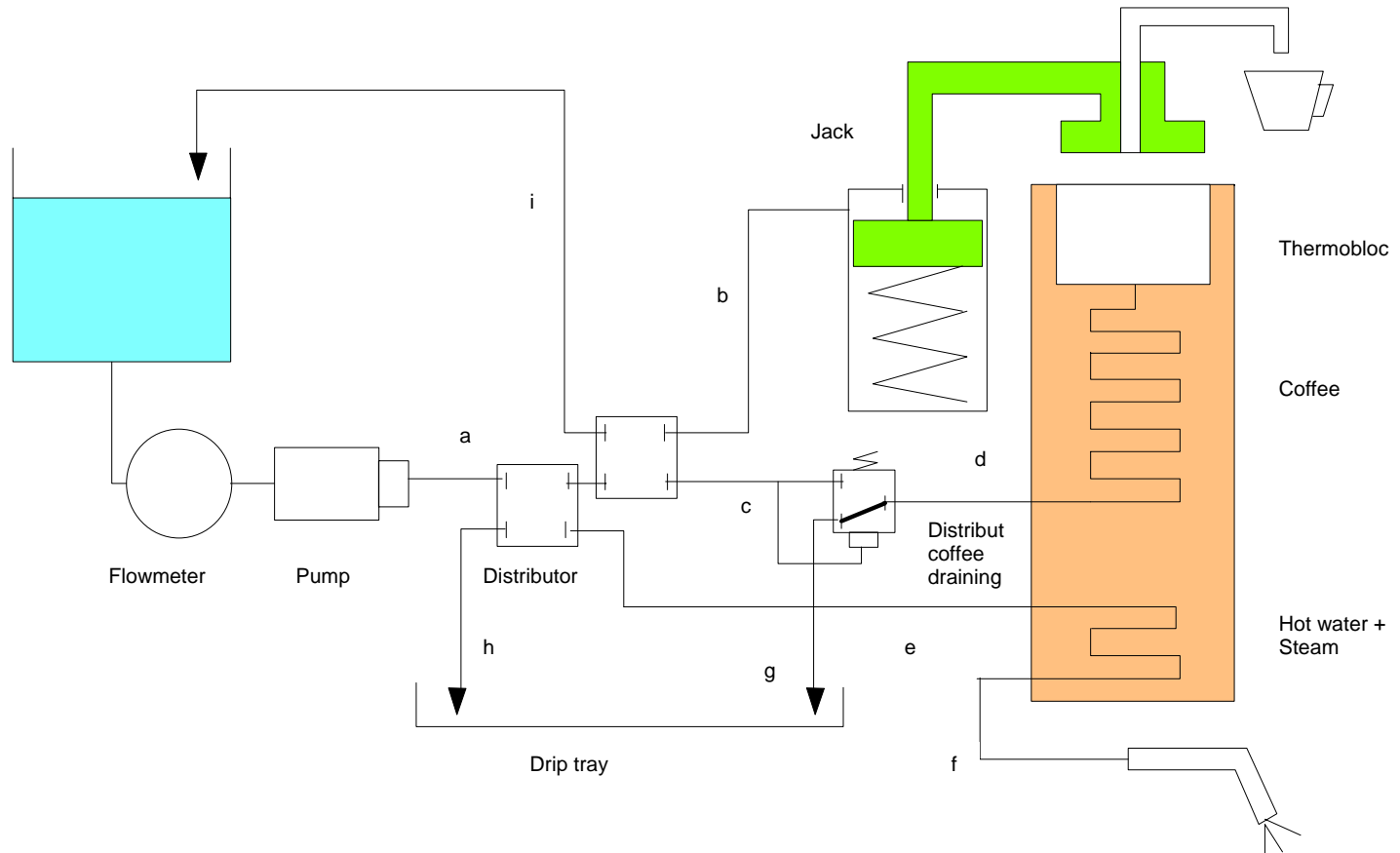
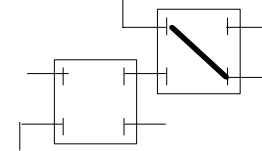
Position (2)
Jack supply



Position (3)
Coffee



Position (4)
Coffee draining



WORKING DESCRIPTION

Initial position (0) of the distributor : draining function of the jack and of the steam circuit.

Coffee cycle :

- Rotation of the distributor to the position (2) : jack supply
 - Grinder working and coffee powder poured into the thermobloc
 - Pumping (circuit "a-b") and going down of the jack
 - Stop of the pump when no more flow measured by the flowmeter.
- Rotation of the distributor to the position (3) : coffee
 - Pumping in circuit "a-c"
 - Pressure is going up (valve of coffee draining is closed)
 - At 2 bars, opening of the coffee valve → flow in circuit "d"
 - Heating of the water into the thermobloc and flow into the coffee
- Rotation of the distributor to the position (4) : coffee draining
 - Draining of the distributor into the water tank (circuit "c-i")
 - Pressure in circuit "c" is going down → coffee draining valve goes back in its closed position
 - Draining of the coffee circuit into the drip tray (circuit "d-g")
- Rotation of the distributor to the position (0) : jack draining
 - Going up of the jack due to the spring effect
 - Ejection of the coffee cake

Steam or hot water cycle :

- Rotation of the distributor to the position (1) : Steam / hot water
 - Pumping with reduced flow
- Rotation of the distributor to the position (0) : Steam draining
 - Flow of the residual steam pressure into the drip tray.