Thermodynamic cycle stages (seen in Table 1)
1-Initial ambient state
2-After iso-thermal compression
3-After recuperation
4-After isobaric combustion
5-After isentropic expansion

Working fluid:

① intake air   ④ pure air after compression
② injected water   ⑤ water from the separator
③ water-air mixtures   ⑥ exhaust gas