Chapter 6 Question #18

For an adiabatic steady flow process with no external (i.e. shaft) work, which of the following is true?

1) The stagnation enthalpy is constant

2) The enthalpy is constant

3) The internal energy is constant

4) The temperature is constant

5) The stagnation pressure is constant

6) None of the above
Chapter 6 Question 18 Answer:

(1) the stagnation enthalpy is constant