

Self Assessment

1. In a perfect regeneration, the net heat energy stored by regenerator is _____.
2. For a given design and operating parameters, the Q_c is maximum when phase angle is _____.
3. The heat exchange during pressurization and depressurization is _____.
4. Phase shifting mechanisms are used to _____ the phase angle.
5. In a Basic PT Cryocooler, the phase angle is _____.
6. In Phasor Analysis, PT undergoes _____ process.
7. Apart from PT, all other parts undergo _____ process.
8. In _____, double inlet orifice and hot end orifice alter the phase angle.

Answers

1. Zero
2. Minimum
3. Same
4. Minimize
5. 90°
6. Adiabatic
7. Isothermal
8. DIPTC