

### 10. T-zed Three season Fan Coils Unit (FCU)

This is a three season air-conditioner and also an intelligent cooling system. For Bangalore climate, only summer and sometimes during monsoon air conditioning is required (If the building is climatically designed well, then no need for air conditioners). The main component of this fan coil unit consist of two coils, 100% & 20% fresh air option lever, three speed fan motor and an intelligent solenoid valve. The FCU Can be switched on/off using mobile and it has a unique feature of recording the chilled water flow whenever the FCU is turned into chilled water mode.

10.1

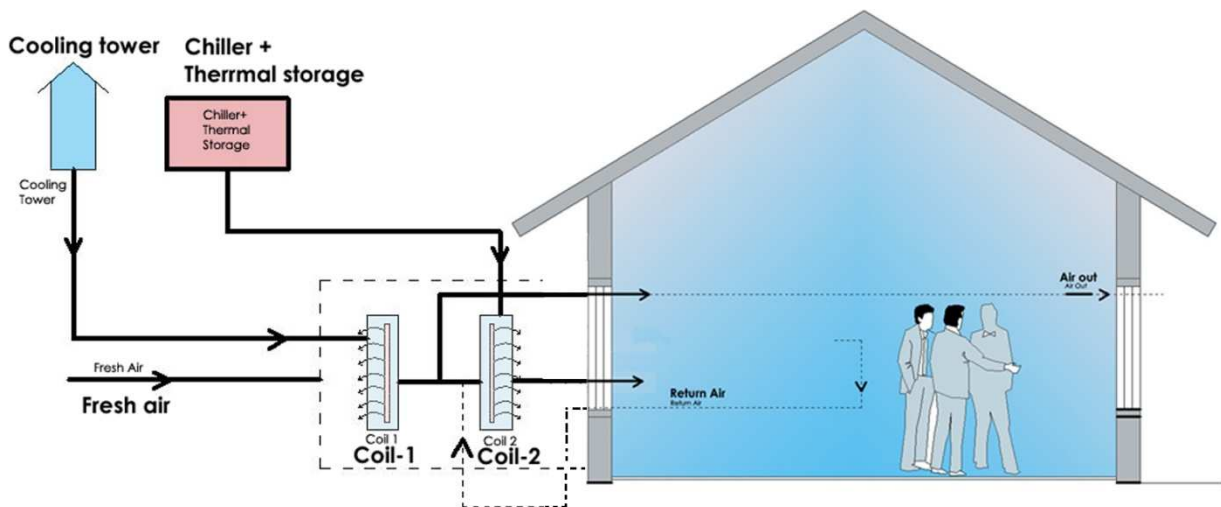


#### Main feature of T-zed AC:

- T ZED FCUs are built with two stage cooling, i.e. pre cooling with condenser water coils (with cooling tower) and 2<sup>nd</sup> stage cooling with chilled water coils (with chillers)
- These FCU's can be operated in 100% fresh air mode
- FCU can be operated in two fresh air modes
  - 20% fresh air mode
  - 100% fresh air mode
- These FCUs can be operated according to environmental conditions
- No extra duct and fan is required for supply of fresh air
- All FCUs are connected to environmental friendly central system with thermal storage (CFC free Ammonia chillers)
- Two Types of Controls are provided for FCUs, one using remote and another on FCU.
- SEER equals to 30 (Seasonal Energy Efficiency Ratio) and matches the world's best air conditioners available.



10.2



10.3