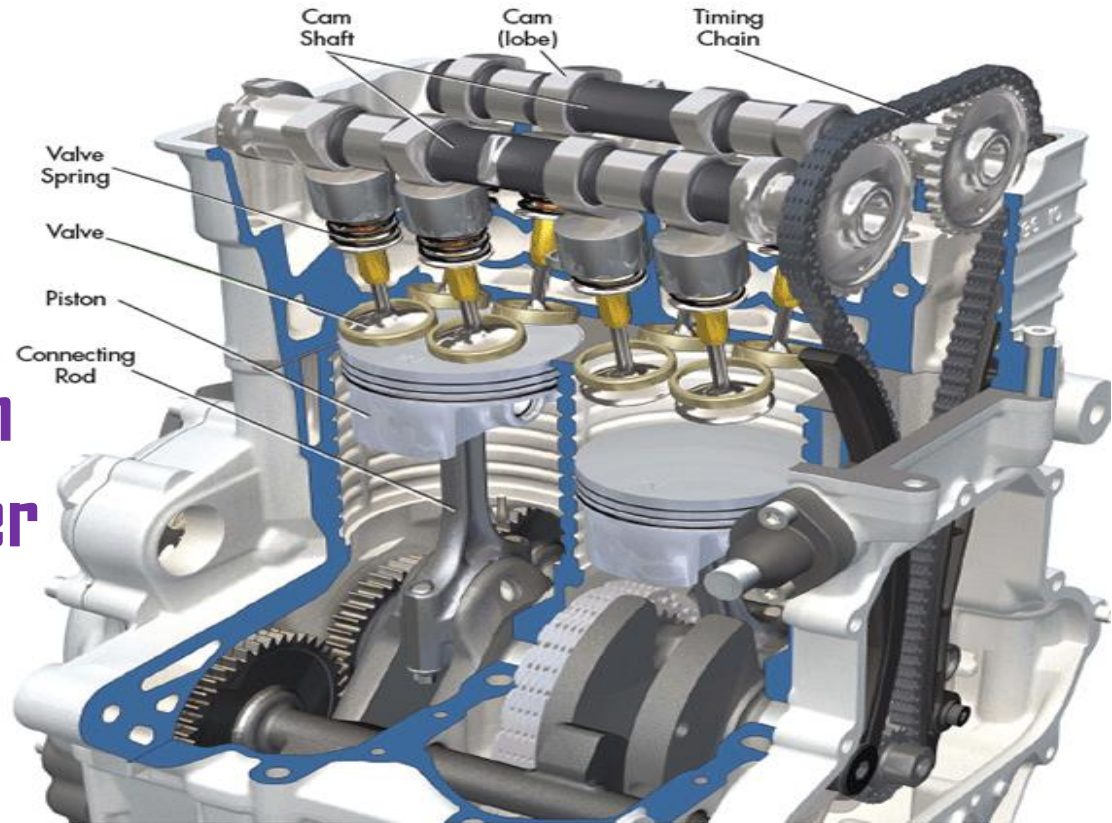


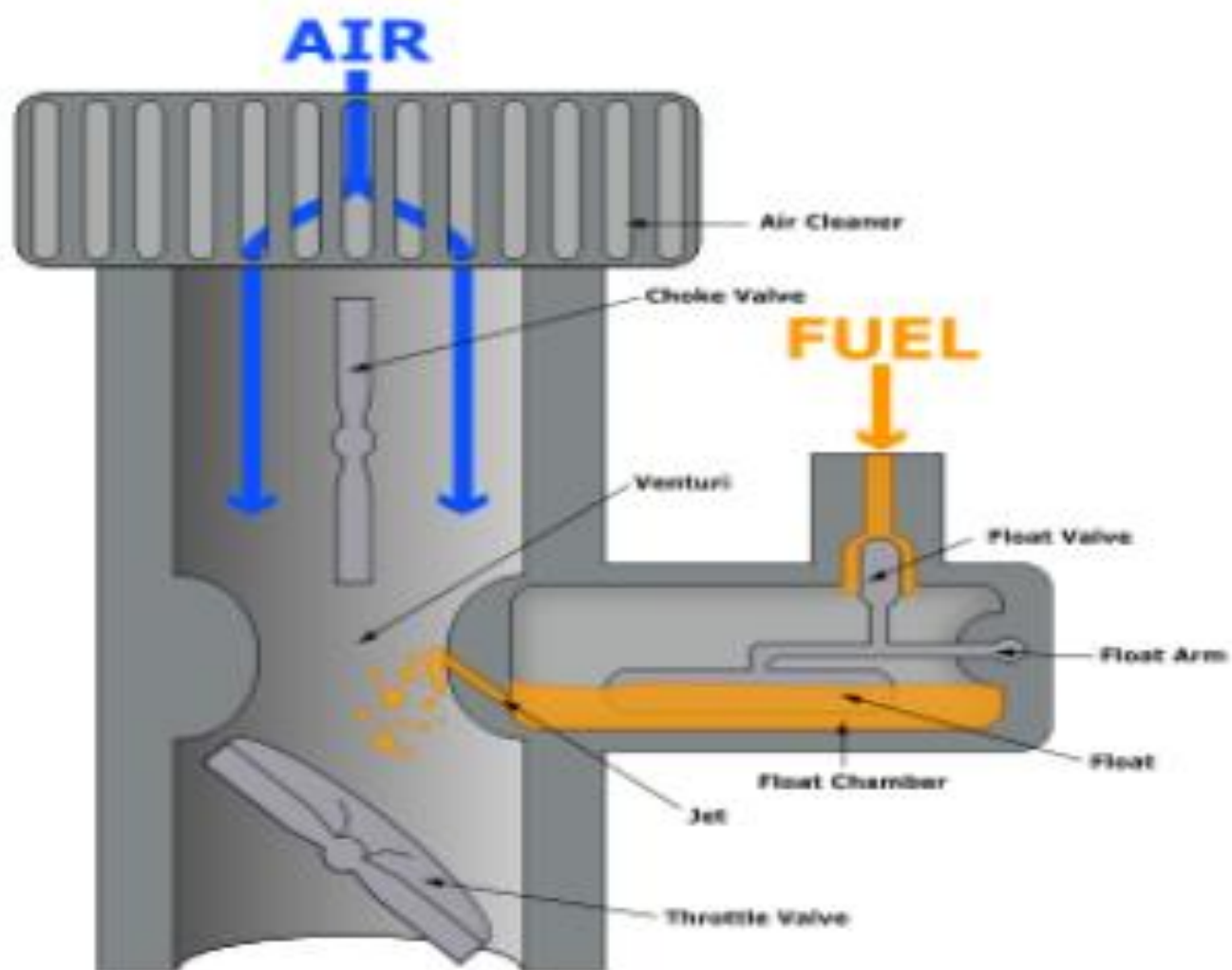
I C Engine, Steam & Nuclear Power



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Carburetion

Carburation is the process of producing homogeneous ^{uniform} air fuel ratio. This A/F mixture ratio is prepared outside the cylinder in a device called carburetor. Carburetor create combustible mixture.



A Float chamber with a float to store fuel and to adjust its level.

A round cylinder with a venturi for atomization of fuel.

A fuel nozzle to atomize and produce a spray of fuel.

A throttle valve to supply varying quantity of mixture at different load condition.

A choke valve to control the air supply in order to provide a rich or lean mixture.

The carburetor atomizes the fuel and mixes with air in different proportion for various load conditions

- (1) Starting
- (2) Idling
- (3) Cruising
- (4) Accelerating

Function-

It must atomize vaporize and mix the Fuel homogeneously ~~of~~ with air.

It must supply correct Amount of air-fuel mixture in correct Proportion under the all Load conditions and Speed of the Engine.

It must run the Engine smoothly by supplying a correct mixture strength.