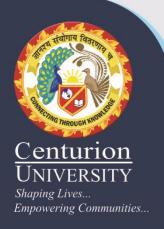
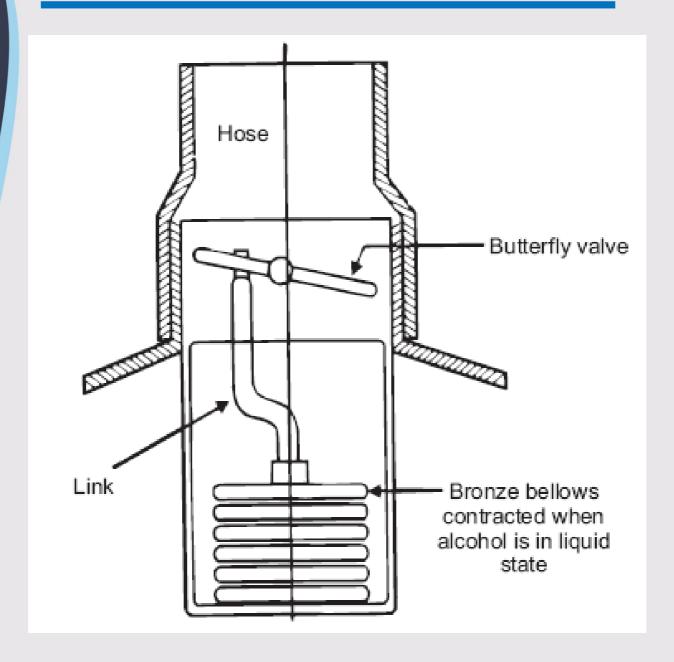


Thermostat Valve



Thermostat Valve



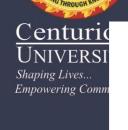
How it works?

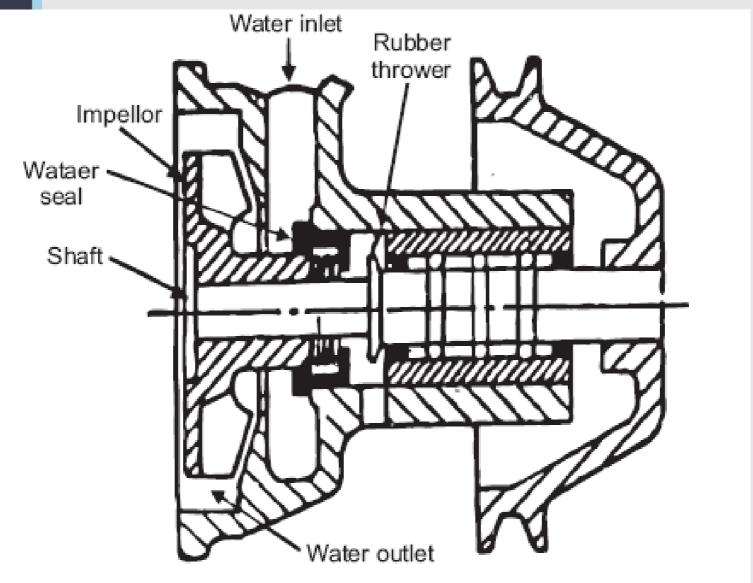
engine to radiator, so that engine readily reaches to its maximum efficient operating temperature.

After attaining maximum efficient operating temperature, it automatically begins functioning. Generally, it prevents the water below 70°C.



Water Pump





How the pump works?

type pump will be mounted at the front end.

Pump consists of an impeller mounted on a shaft and enclosed in the pump casing.

The pump casing has inlet and outlet openings.

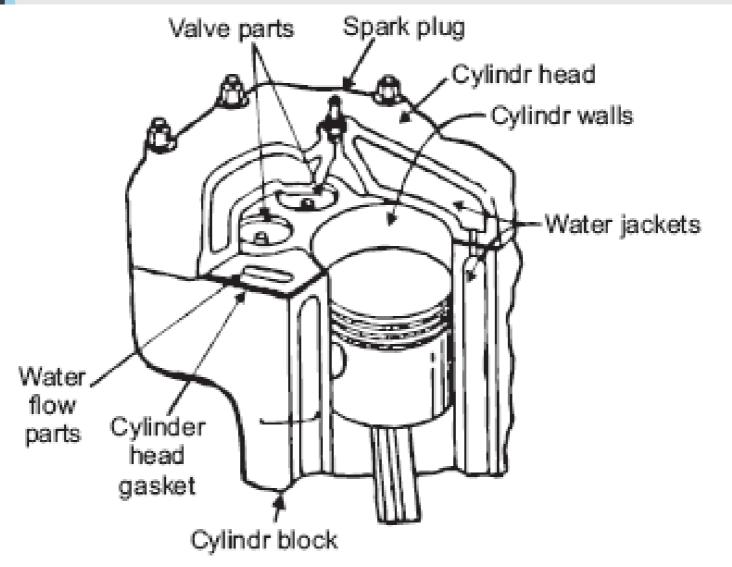
The pump is driven by means of engine output shaft only through belts.

When it is driven water will be pumped.



Shaping Lives... Empowering Con

Water Jackets



Function of water jackets

water jackets are provided around the cylinder, cylinder head, valve seats and any hot parts which are to be cooled.

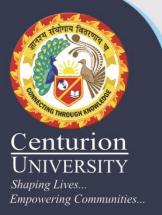
Heat generated in the engine cylinder, conducted through the cylinder walls to the jackets.

The water flowing through the jackets absorbs this heat and gets hot. This hot water will then be cooled in the radiator

Antifreeze Mixture

antifreeze solutions should have the following properties:

- (a) It should dissolve in water easily.
- (b) It should not evaporate.
- (c) It should not deposit any foreign matter in cooling system.
- (d) It should not have any harmful effect on any part of cooling system.
- (e) It should be cheap and easily available.
- (f) It should not corrode the system.



Antifreeze solutions used

- (a) Methyl, ethyl and isopropyl alcohols.
- (b) A solution of alcohol and water.
- (c) Ethylene Glycol.
- (d) A solution of water and Ethylene lycol.
- (e) Glycerin along with water, etc.