

Ans 1) Boiler mountings:- These are different fittings and device which are necessary for the operation and safety of a boiler. These mounting forms integral part of the boiler.

1) Water level indicator:-

1) The function of water level indicator is to indicate the level of water in the boiler constantly.

2) General arrangement of water level indicator is

2) Pressure gauge:- It is mounted at the front top of the boiler drums. Generally Bourdon tube pressure gauge are being used for pressure measurement.

3) Feed check valve:- It is a non return valve at the end of delivery pipe from feed water pump.

4) Safety valve:- Its function is to prevent the steam pressure from exceeding a limiting maximum pressure value.

→ Boiler Accessories:- these are the auxiliary plants required for steam boiler for their proper operation and for the increase of their efficiency.

1) Feed water pump:- the feed water pump is used to take feed water to the boiler.

2) Injects:- function of the injects is the same as that of feed pump i.e. to deliver feed water to boiler under pressure.

3) Air pre-heater:- the function of the air pre-heater is to heat the air before it enters the combustion chamber.

4) Steam drier:- the function of the steam drier or separator is to separate water particles from steam before it is supplied to the point of application.