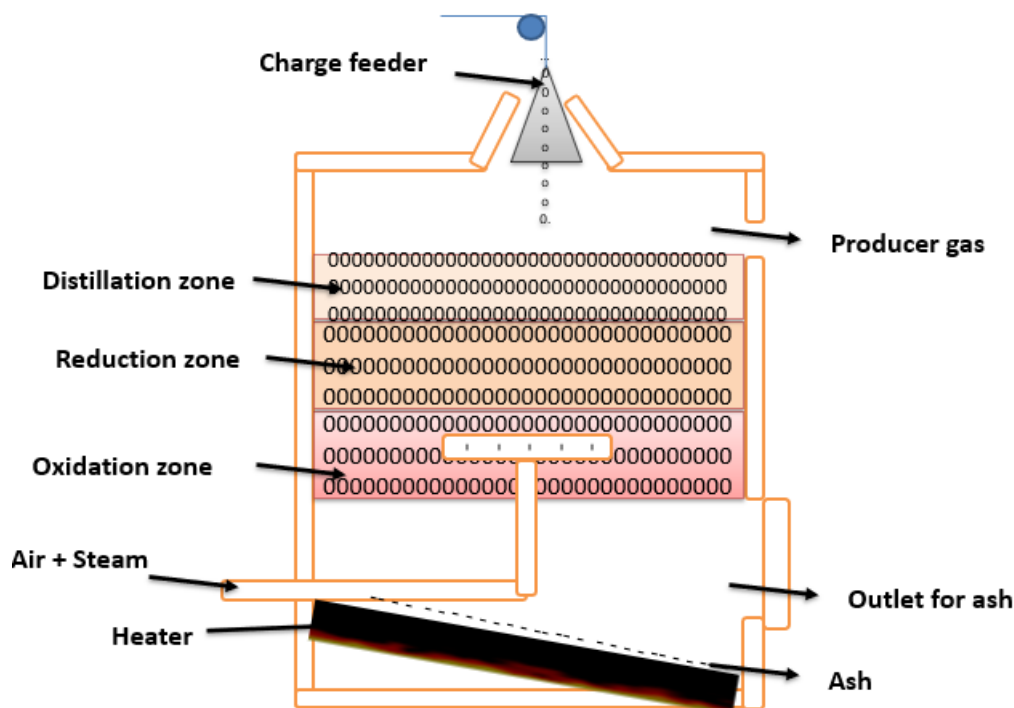


Producer gas- manufacturing process

What is Producer gas?

It is combination of CO_2 and N_2



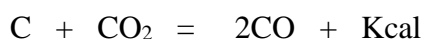
Producer gas (N_2 , CO , H_2)

When mixture of air and steam is passed over red hot coke or coal, the different three reactions takes place in following zones.

1. Oxidation zone- In this zone oxidation of Carbon to give CO_2 takes place



2. Reduction zone- In this zone reduction of CO_2 to CO takes place.



3. Distillation zone- This is the upper zone. In this zone some of CO formed is reacted with steam and gives CO_2 and H_2 gas



Advantages of Producer gas

1. Producer gas is cheap, clean, and can be prepared easily. It has low calorific value
2. Producer gas is cheap, clean, and can be prepared easily.
3. But it has low calorific value as compared to LPG.

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