

→ **Function and Location of various Boiler Mountings and Accessories**

→ **Mountings**

➤ **Pressure Gauge**

- ✓ Function: To measure the pressure inside the boiler
- ✓ Location: It is mounted on the top of the boiler shell

➤ **Water Level Indicator**

- ✓ Function: To indicate the level of water inside the boiler
- ✓ Location: It is fitted at the front end of the boiler

➤ **Steam Stop Valve**

- ✓ Function: To control the supply of steam from boiler to steam pipe
- ✓ Location: It is mounted on the top of the boiler shell

➤ **Feed Check Valve**

- ✓ Function: To control the supply of water to boiler
To stop escaping of water from boiler
- ✓ Location: It is fitted slightly below the level of water

➤ **Blow-off Cock**

- ✓ Function: To empty the boiler when it is not in use
To remove mud at regular interval
- ✓ Location: It is fitted at the lower part of water space

➤ **Fusible Plug**

- ✓ Function: To protect the boiler against the damage from overheating
- ✓ Location: It is fitted in the boiler shell above the furnace

➤ **Safety Valve**

- ✓ Function: To release the excess steam when pressure inside the boiler is over limit
- ✓ Location: It is fitted on the top of the boiler shell

→ Accessories

➤ *Super Heater*

- ✓ Function: To convert the wet steam into superheated steam
- ✓ Location: It is located in the path of flue gas before economizer

➤ *Economiser*

- ✓ Function: To heat feed water using waste heat of flue gases
- ✓ Location: It is located before the entry of feed water to boiler

➤ *Air Pre-heater*

- ✓ Function: To heat the air using waste heat of flue gases
- ✓ Location: It is located between Economiser and chimney